

# IES Indoor Report

Photometric Filename:242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N.IES

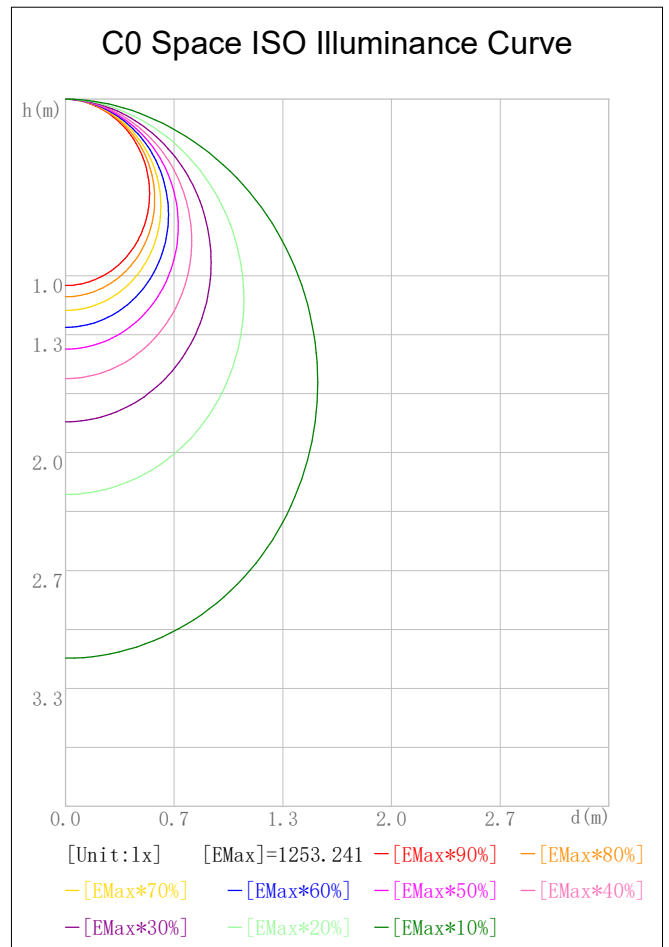
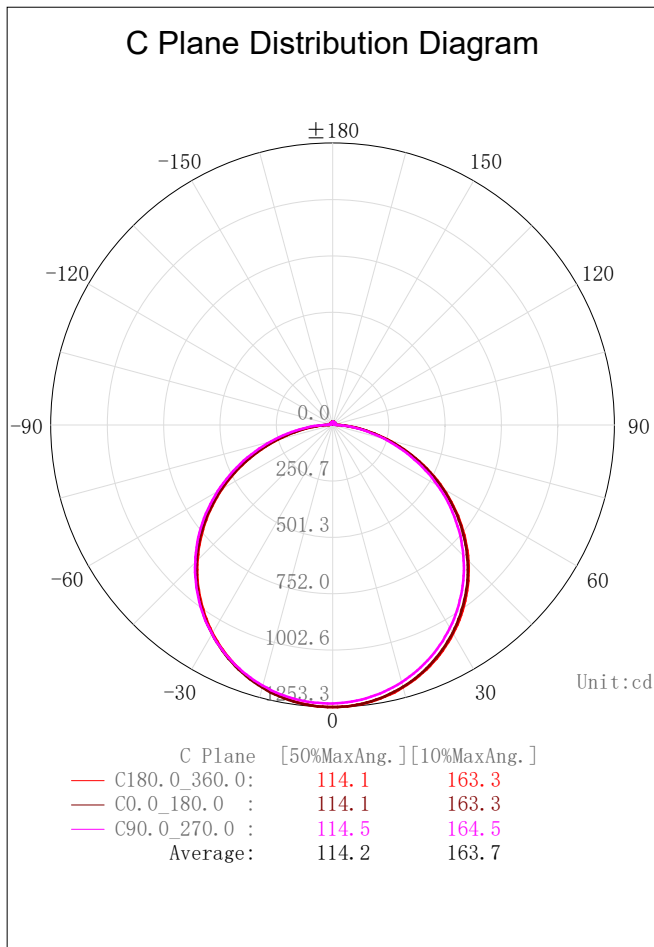
## Indoor Luminaire Photometric Data

### Description Information

Luminary Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2024/12/10
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):60.0	Lamp CCT(K): Ra:
Lum. Size(W*L*H):555mm*555mm*0mm		Lum. Area(m2):0.308	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp.(°C): 25	Humidity(%): 40

### Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 3703.030	Luminary Flux(lm): 3703.031	Field Angle(10%Imax): 163.3(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 3642.480lm 98.36%	
Rated Voltage(V):	Luminary EER(lm/W): 92.808	Up Lumens&Percent: 60.551lm 1.64%	
Tested Power(W): 39.900	Max. Candela(cd): 1253.301	S/MH: C0_a180=1.267 C90_270=1.255	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):120.1, 0.333, 0.997	Beam Angle(50%Imax): 114.1(°)	ErP Φuse(120°): 2829.897lm	
Lamp Size(W*L*H):555mm*555mm*0mm	Left=-57.2°, Right=56.9°	IRF(%): 108.388	



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## Average brightness table(cd/m2)

Angle value	Average	Average	Average
Y(° )	L0	L45	L90
45	3890	3810	3774
55	3758	3659	3619
65	3532	3408	3363
75	3137	2993	2954
85	2586	2317	2297

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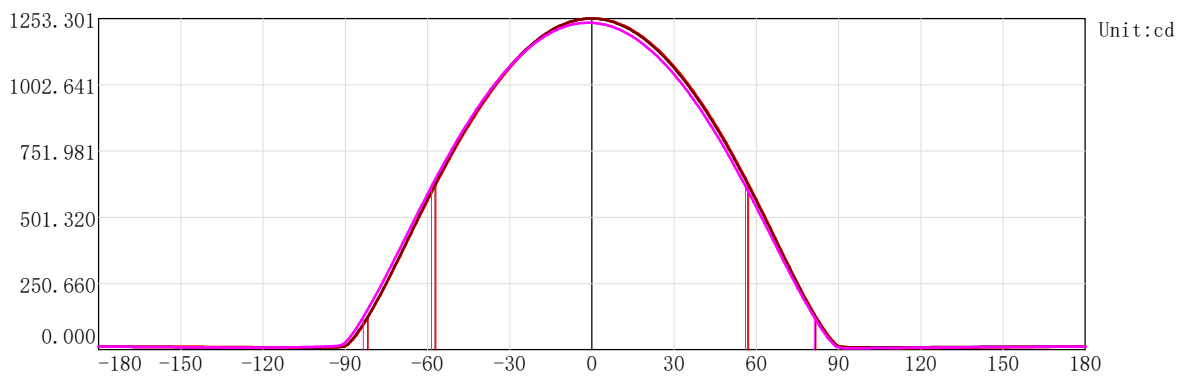
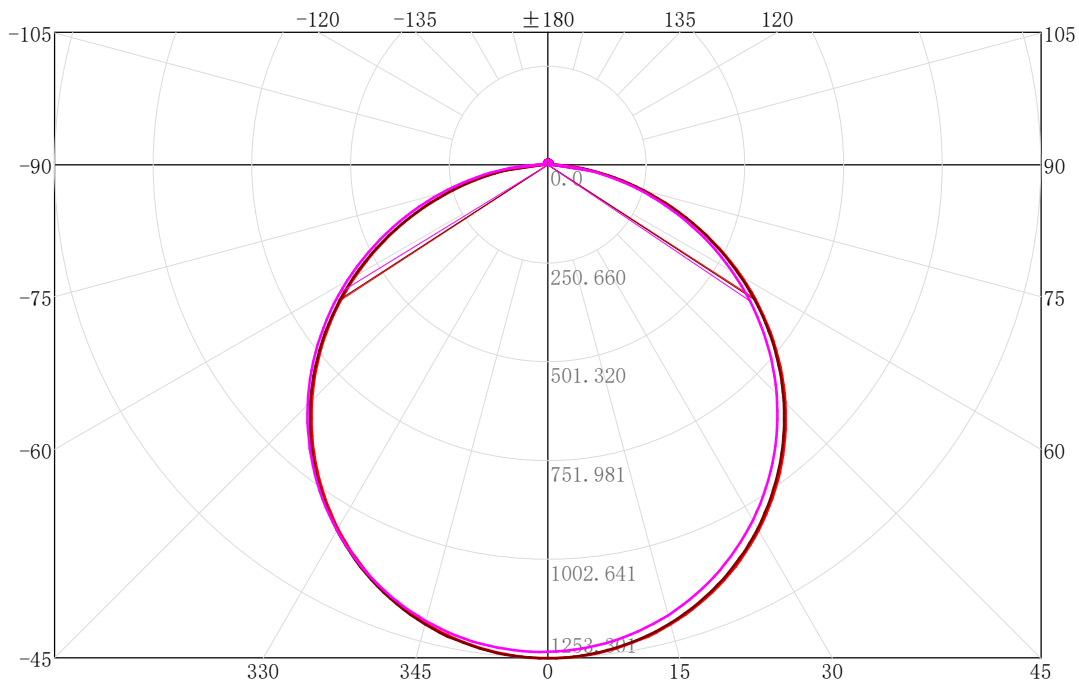
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## 2D Plane Light Intensity Distribution Curve

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10

C Plane Distribution Diagram



	C Plane	[50%MaxAng. ]	[10%MaxAng. ]
—	C180.0_360.0 :	114.1	163.3
—	C0.0_180.0 :	114.1	163.3
—	C90.0_270.0 :	114.5	164.5
	Average:	114.2	163.7

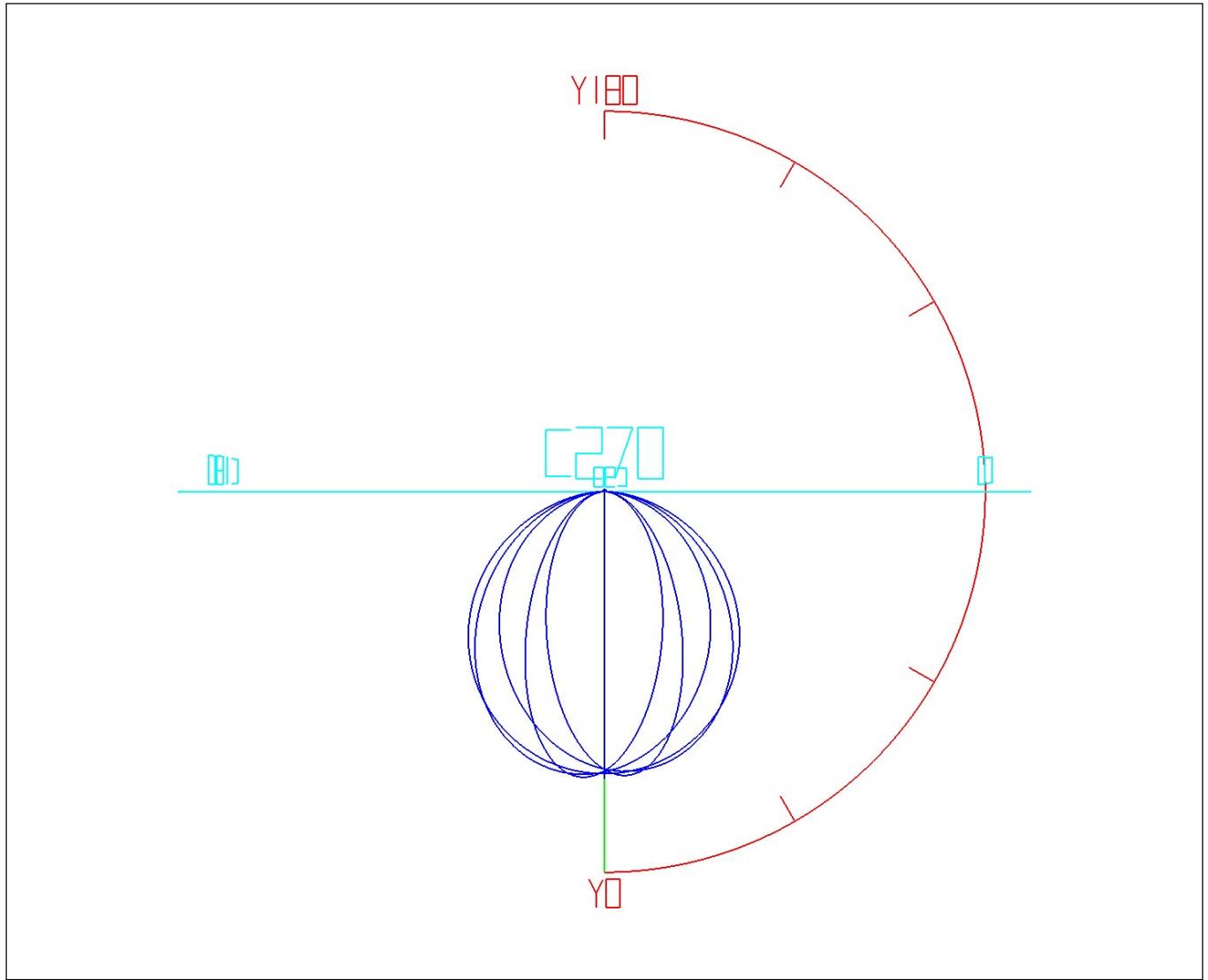
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## 3D Light Intensity Distribution Modal

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10

## 3D Light Intensity Distribution Modal



Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —  
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

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## Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.19	1.19	0.03	0.03	47.0-48.0	64.70	2112.58	1.75	57.05
1.0-2.0	3.56	4.75	0.10	0.13	48.0-49.0	64.29	2176.87	1.74	58.79
2.0-3.0	5.93	10.68	0.16	0.29	49.0-50.0	63.78	2240.65	1.72	60.51
3.0-4.0	8.29	18.97	0.22	0.51	50.0-51.0	63.19	2303.83	1.71	62.21
4.0-5.0	10.64	29.61	0.29	0.80	51.0-52.0	62.51	2366.34	1.69	63.90
5.0-6.0	12.98	42.58	0.35	1.15	52.0-53.0	61.74	2428.08	1.67	65.57
6.0-7.0	15.29	57.88	0.41	1.56	53.0-54.0	60.89	2488.97	1.64	67.21
7.0-8.0	17.60	75.47	0.48	2.04	54.0-55.0	59.97	2548.94	1.62	68.83
8.0-9.0	19.87	95.34	0.54	2.57	55.0-56.0	58.95	2607.89	1.59	70.43
9.0-10.0	22.12	117.46	0.60	3.17	56.0-57.0	57.86	2665.75	1.56	71.99
10.0-11.0	24.34	141.80	0.66	3.83	57.0-58.0	56.70	2722.45	1.53	73.52
11.0-12.0	26.53	168.33	0.72	4.55	58.0-59.0	55.45	2777.90	1.50	75.02
12.0-13.0	28.69	197.02	0.77	5.32	59.0-60.0	54.14	2832.04	1.46	76.48
13.0-14.0	30.81	227.82	0.83	6.15	60.0-61.0	52.76	2884.80	1.42	77.90
14.0-15.0	32.88	260.71	0.89	7.04	61.0-62.0	51.31	2936.11	1.39	79.29
15.0-16.0	34.92	295.62	0.94	7.98	62.0-63.0	49.79	2985.90	1.34	80.63
16.0-17.0	36.90	332.52	1.00	8.98	63.0-64.0	48.21	3034.11	1.30	81.94
17.0-18.0	38.84	371.37	1.05	10.03	64.0-65.0	46.57	3080.68	1.26	83.19
18.0-19.0	40.73	412.10	1.10	11.13	65.0-66.0	44.88	3125.56	1.21	84.41
19.0-20.0	42.56	454.66	1.15	12.28	66.0-67.0	43.14	3168.70	1.17	85.57
20.0-21.0	44.34	499.01	1.20	13.48	67.0-68.0	41.35	3210.05	1.12	86.69
21.0-22.0	46.07	545.08	1.24	14.72	68.0-69.0	39.52	3249.57	1.07	87.75
22.0-23.0	47.73	592.82	1.29	16.01	69.0-70.0	37.65	3287.22	1.02	88.77
23.0-24.0	49.33	642.15	1.33	17.34	70.0-71.0	35.75	3322.97	0.97	89.74
24.0-25.0	50.86	693.01	1.37	18.71	71.0-72.0	33.82	3356.79	0.91	90.65
25.0-26.0	52.33	745.34	1.41	20.13	72.0-73.0	31.87	3388.66	0.86	91.51
26.0-27.0	53.73	799.08	1.45	21.58	73.0-74.0	29.91	3418.57	0.81	92.32
27.0-28.0	55.06	854.14	1.49	23.07	74.0-75.0	27.93	3446.50	0.75	93.07
28.0-29.0	56.32	910.46	1.52	24.59	75.0-76.0	25.95	3472.45	0.70	93.77
29.0-30.0	57.50	967.95	1.55	26.14	76.0-77.0	23.97	3496.42	0.65	94.42
30.0-31.0	58.60	1026.56	1.58	27.72	77.0-78.0	22.01	3518.43	0.59	95.01
31.0-32.0	59.63	1086.19	1.61	29.33	78.0-79.0	20.06	3538.49	0.54	95.56
32.0-33.0	60.58	1146.76	1.64	30.97	79.0-80.0	18.13	3556.62	0.49	96.05
33.0-34.0	61.45	1208.21	1.66	32.63	80.0-81.0	16.23	3572.85	0.44	96.48
34.0-35.0	62.23	1270.45	1.68	34.31	81.0-82.0	14.37	3587.22	0.39	96.87
35.0-36.0	62.94	1333.39	1.70	36.01	82.0-83.0	12.54	3599.76	0.34	97.21
36.0-37.0	63.57	1396.96	1.72	37.72	83.0-84.0	10.77	3610.53	0.29	97.50
37.0-38.0	64.10	1461.06	1.73	39.46	84.0-85.0	9.05	3619.57	0.24	97.75
38.0-39.0	64.55	1525.61	1.74	41.20	85.0-86.0	7.38	3626.96	0.20	97.95
39.0-40.0	64.92	1590.53	1.75	42.95	86.0-87.0	5.81	3632.77	0.16	98.10
40.0-41.0	65.20	1655.73	1.76	44.71	87.0-88.0	4.37	3637.14	0.12	98.22
41.0-42.0	65.39	1721.12	1.77	46.48	88.0-89.0	3.14	3640.28	0.08	98.31
42.0-43.0	65.49	1786.61	1.77	48.25	89.0-90.0	2.20	3642.48	0.06	98.36
43.0-44.0	65.51	1852.12	1.77	50.02	90.0-91.0	1.62	3644.10	0.04	98.41
44.0-45.0	65.44	1917.56	1.77	51.78	91.0-92.0	1.31	3645.41	0.04	98.44
45.0-46.0	65.28	1982.84	1.76	53.55	92.0-93.0	1.17	3646.58	0.03	98.48
46.0-47.0	65.03	2047.87	1.76	55.30	93.0-94.0	1.11	3647.69	0.03	98.51

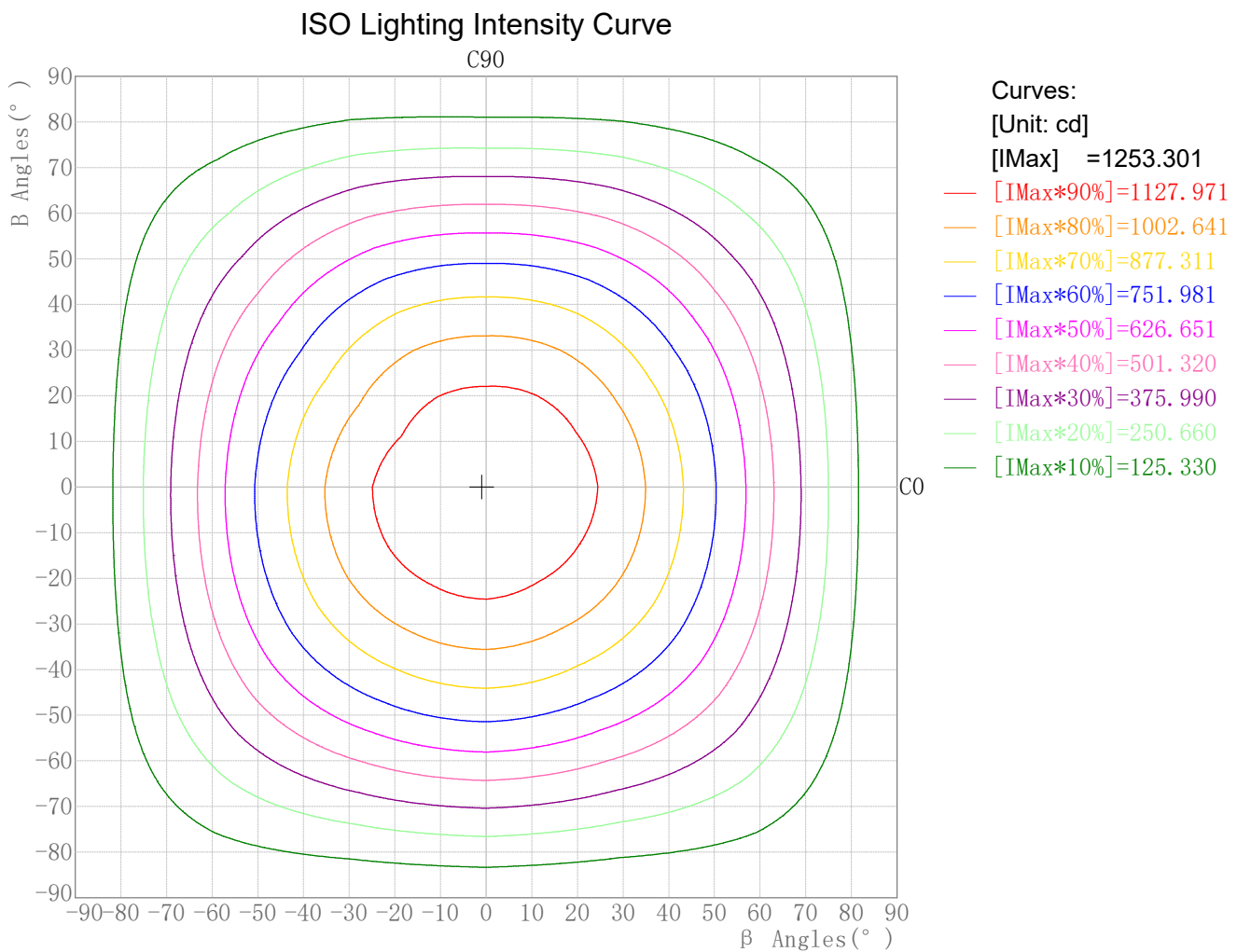


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## Rectangle ISO Lighting Intensity Diagram

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10



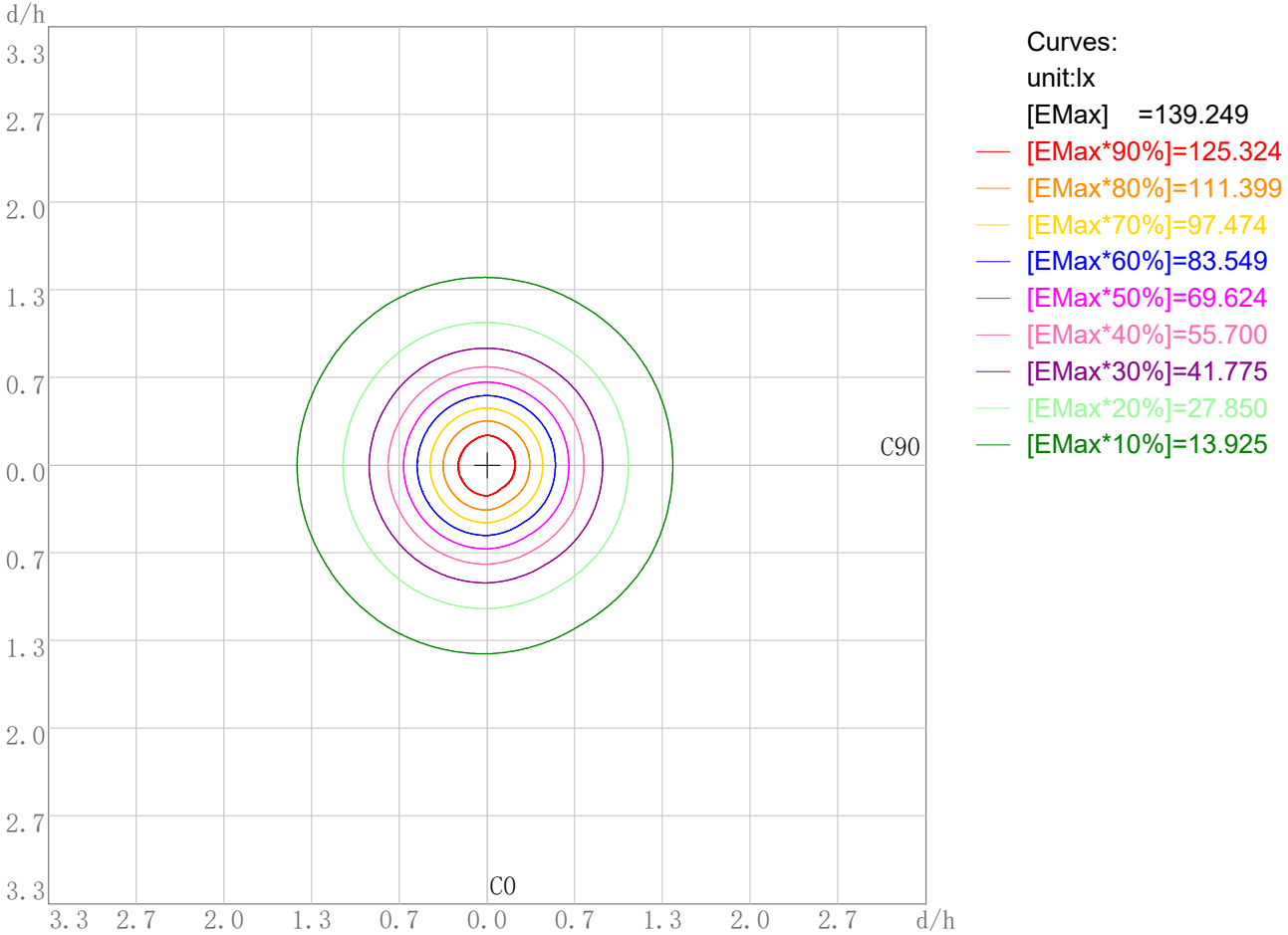
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## Plane ISO-Illuminance Diagram

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 139.25  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

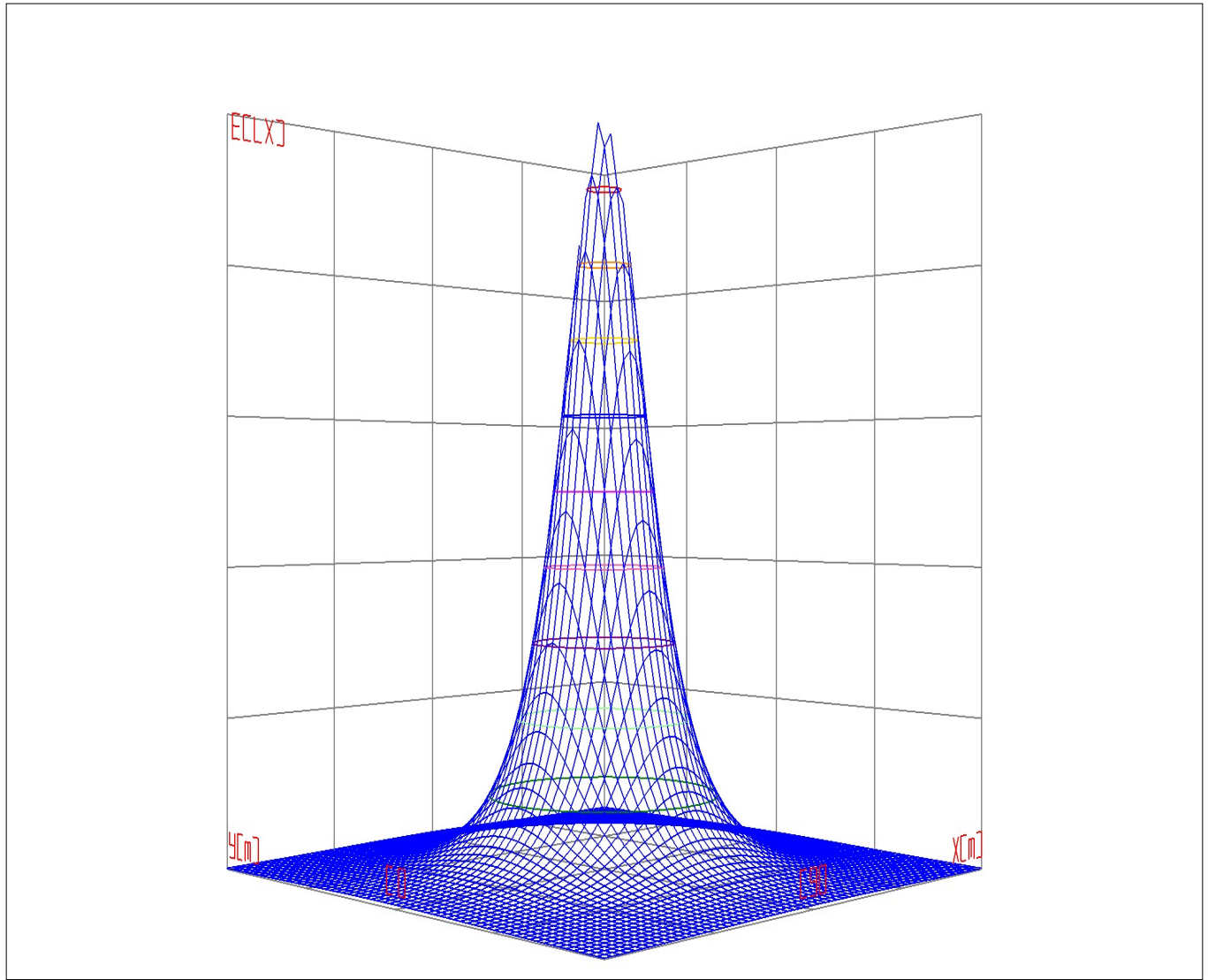
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## 3D Plane ISO Illuminance Diagram

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10

### 3D Plane Illuminance Modal



Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

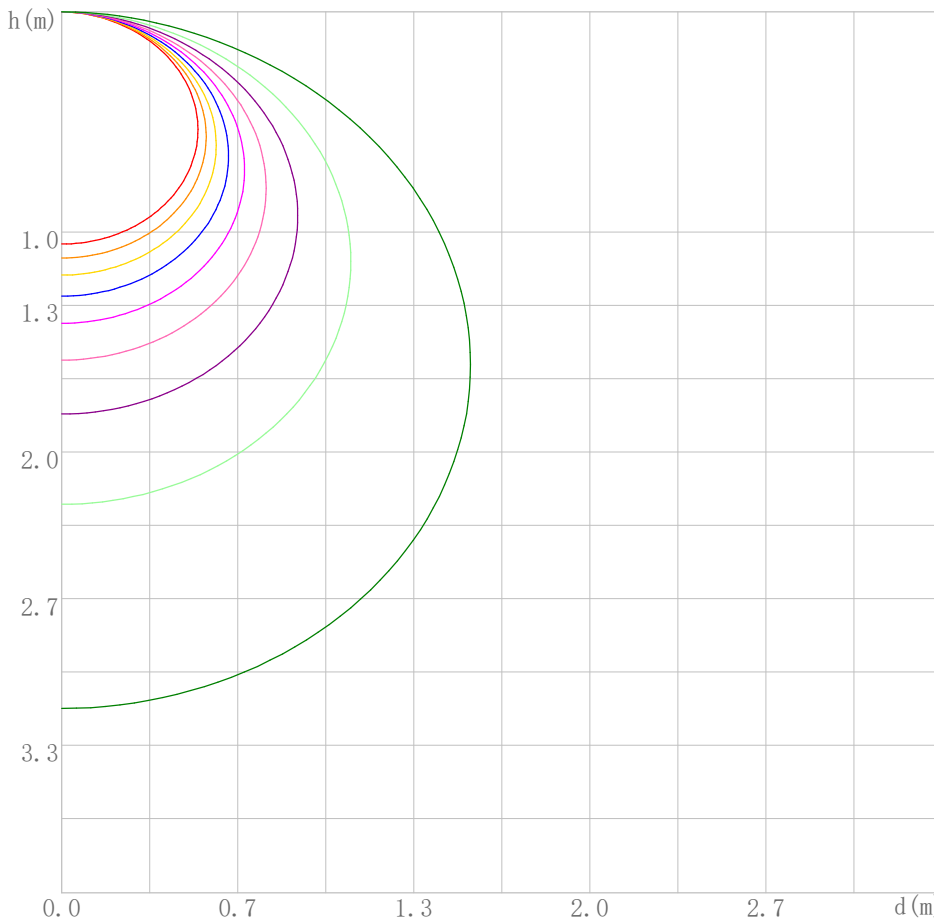
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## Space ISO Illuminance Diagram

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10

Space ISO Illuminance Curve



- Curves:  
[Unit: lx]  
[EMax] = 1253.241
- [EMax\*90%]=1127.917
  - [EMax\*80%]=1002.593
  - [EMax\*70%]=877.269
  - [EMax\*60%]=751.945
  - [EMax\*50%]=626.620
  - [EMax\*40%]=501.296
  - [EMax\*30%]=375.972
  - [EMax\*20%]=250.648
  - [EMax\*10%]=125.324

Space Plane Maximum Illuminance and @Angle: 1253.24lx, 0.0deg  
Plane Maximum Lighting Intensity and @Angle: 1253.241cd, 0deg

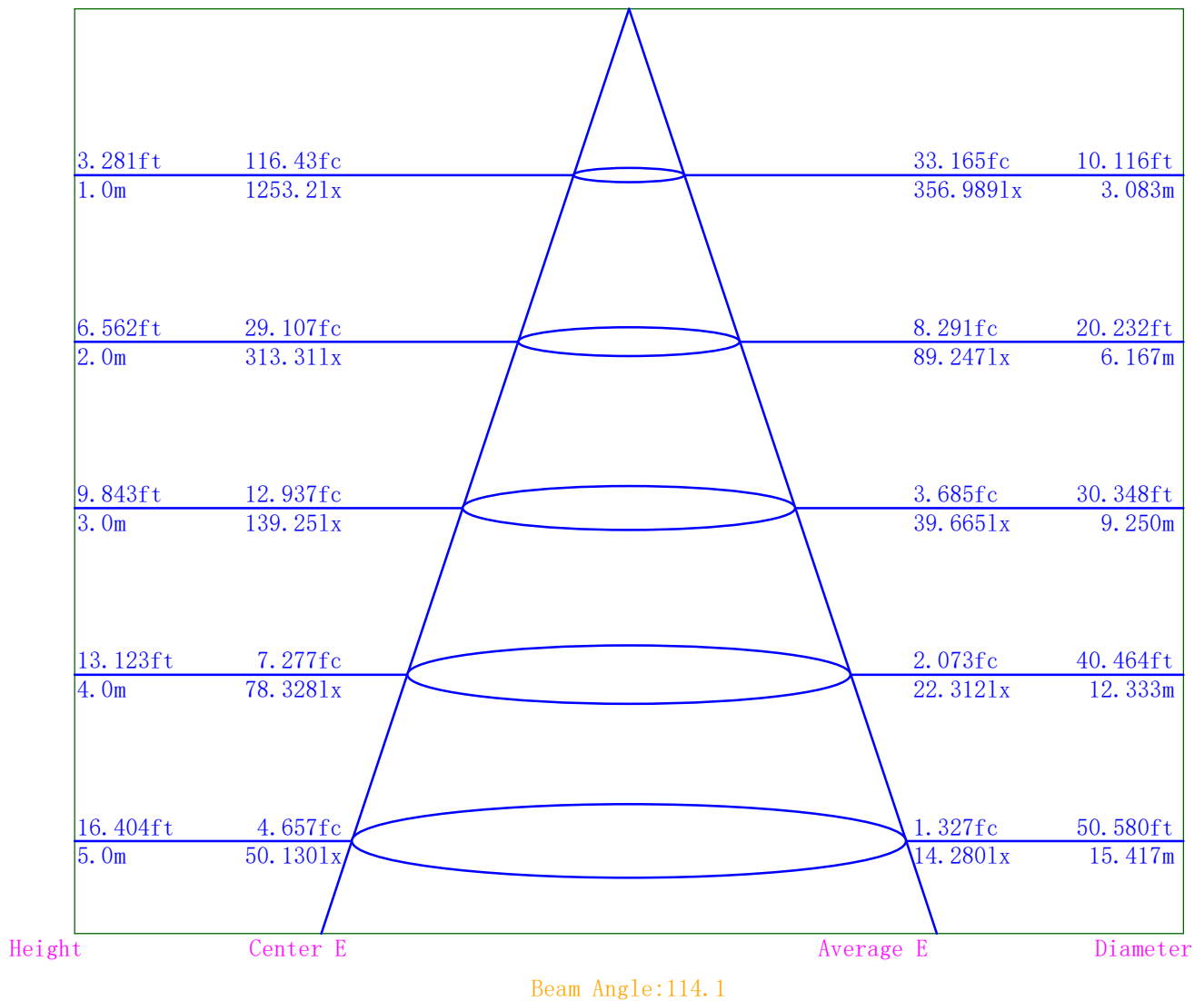
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## Illuminance-Distance Diagram

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10

Illuminance-Distance Curve



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Photometric Filename: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N.IES

## Indoor Luminance Limiting Curves

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10

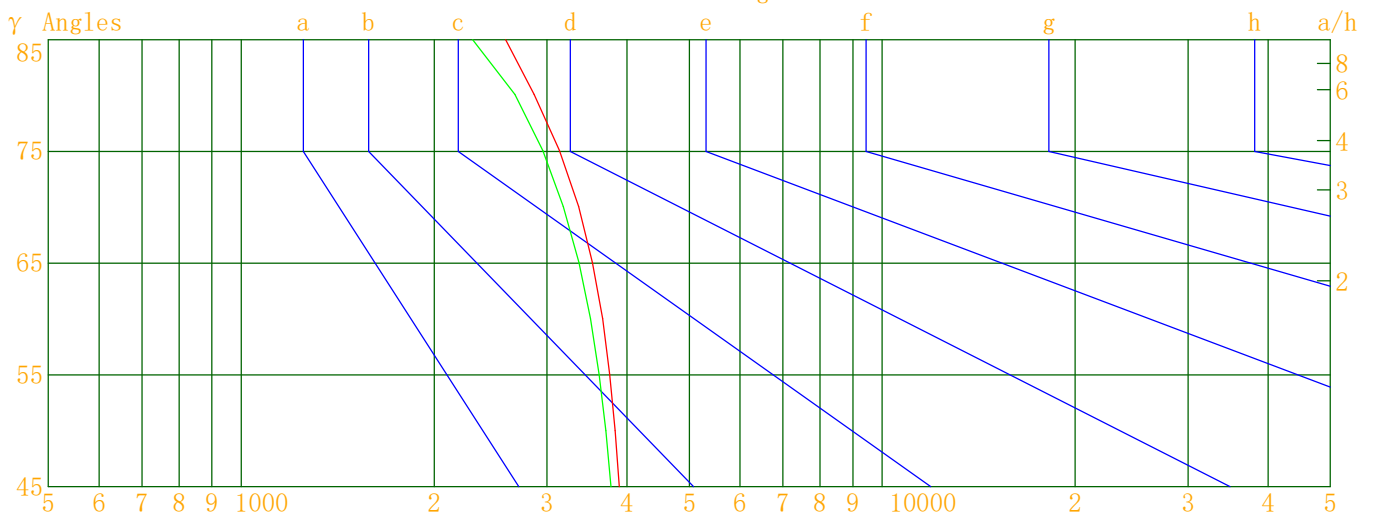
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	3890	3833	3758	3662	3532	3361	3137	2864	2586
C90	3774	3705	3619	3506	3363	3181	2954	2673	2297

Luminance Limiting Curve



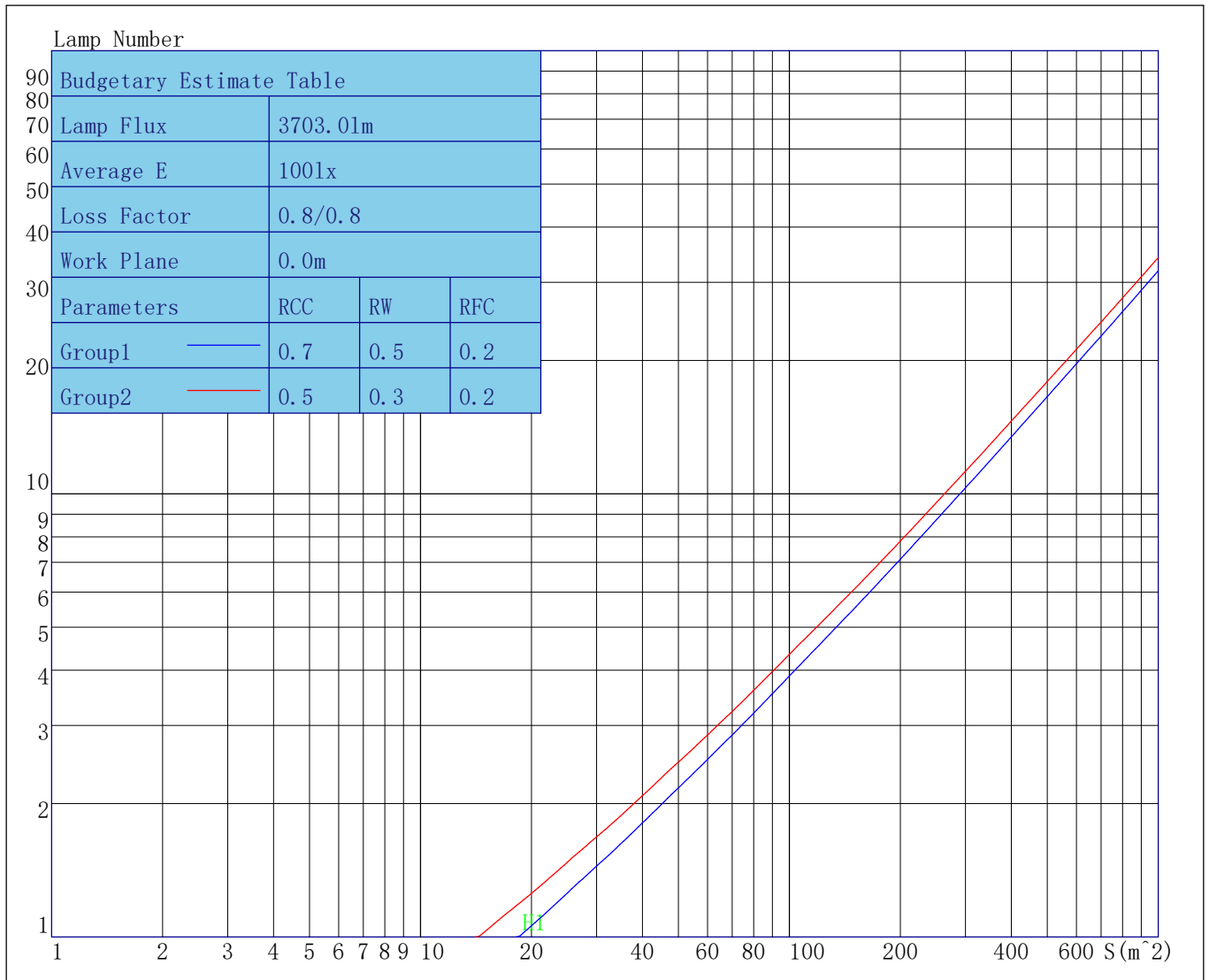
Luminous Size: Length(m)=0.555 Width(m)=0.555 Height(m)=0.000 Area(m<sup>2</sup>)=0.308025  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

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## Indoor Budgetary Estimate Table

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2024/12/10



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8

Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8

Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

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## Indoor Coefficient of Utilization Table

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/12/10

Coefficients of Utilization - Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization (%)																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	73	70	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	60	68	63	59	57
4	82	69	61	54	79	68	60	53	65	58	52	63	56	51	60	55	51	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	50	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

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## Unified Glare Rating Table

Lum. Name: 242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/12/10

## Unified Glare Rating Table

Ceiling RCC	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size	Viewed crosswise					Viewed endwise				
X=2H Y=2H	16.9	18.5	17.3	18.9	19.2	16.7	18.3	17.1	18.7	19.0
Y=3H	18.5	20.0	18.9	20.4	20.8	18.3	19.8	18.7	20.1	20.5
Y=4H	19.2	20.6	19.6	21.0	21.4	19.0	20.3	19.4	20.7	21.1
Y=6H	19.7	21.0	20.2	21.4	21.8	19.5	20.7	19.9	21.1	21.6
Y=8H	19.9	21.1	20.3	21.5	22.0	19.6	20.8	20.1	21.3	21.7
Y=12H	20.0	21.2	20.5	21.6	22.1	19.7	20.9	20.2	21.3	21.8
X=4H Y=2H	17.7	19.0	18.1	19.4	19.8	17.5	18.8	17.9	19.2	19.6
Y=3H	19.5	20.7	19.9	21.1	21.5	19.3	20.4	19.7	20.9	21.3
Y=4H	20.3	21.3	20.7	21.8	22.3	20.1	21.1	20.5	21.5	22.0
Y=6H	20.9	21.8	21.4	22.3	22.8	20.7	21.6	21.1	22.1	22.5
Y=8H	21.1	22.0	21.6	22.5	23.0	20.9	21.7	21.4	22.2	22.7
Y=12H	21.3	22.1	21.8	22.6	23.1	21.0	21.8	21.5	22.3	22.8
X=8H Y=4H	20.6	21.5	21.1	22.0	22.5	20.4	21.2	20.9	21.7	22.2
Y=6H	21.4	22.1	21.9	22.6	23.3	21.1	21.8	21.7	22.4	23.0
Y=8H	21.7	22.3	22.2	22.9	23.4	21.4	22.1	22.0	22.6	23.1
Y=12H	22.0	22.5	22.5	23.0	23.6	21.7	22.2	22.2	22.7	23.3
X=12H Y=4H	20.7	21.4	21.2	21.9	22.5	20.4	21.2	20.9	21.7	22.2
Y=6H	21.5	22.1	22.0	22.6	23.2	21.2	21.8	21.7	22.3	22.9
Y=8H	21.8	22.4	22.4	22.9	23.5	21.5	22.1	22.1	22.6	23.2
Variations with the objverger position at spacings										
S=1.0H	0.4/-0.5					0.5/-0.5				
S=1.5H	0.8/-0.9					0.8/-0.9				
S=2.0H	1.0/-1.2					1.0/-1.2				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	2.9					2.9				

Calculation is according to the CIE Pub.117,data has been corrected,refers to the lamp's 3703.03lm.

# IES Indoor Report

Photometric Filename:242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N.IES

## Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
$\gamma$ 0.0	1253.24	1245.45	1241.41	1237.05	1234.98	1232.72	1253.24	1245.45	1241.41	1237.05	1234.98	1232.72
$\gamma$ 1.0	1253.15	1245.10	1240.58	1236.60	1234.50	1231.47	1253.30	1246.44	1241.32	1237.98	1234.39	1232.66
$\gamma$ 2.0	1253.08	1243.57	1239.87	1235.17	1233.35	1231.34	1252.71	1246.06	1240.80	1237.68	1234.16	1232.53
$\gamma$ 3.0	1251.48	1242.80	1238.13	1234.04	1231.99	1229.06	1251.86	1245.04	1240.03	1236.79	1233.56	1232.24
$\gamma$ 4.0	1250.08	1240.78	1236.82	1231.81	1230.41	1227.21	1250.87	1243.98	1239.15	1236.26	1232.43	1231.68
$\gamma$ 5.0	1247.85	1238.21	1234.44	1229.74	1228.62	1224.41	1248.81	1242.53	1237.56	1234.71	1230.84	1229.63
$\gamma$ 6.0	1245.38	1235.29	1231.89	1226.83	1225.72	1222.12	1246.79	1240.73	1235.76	1233.17	1228.86	1227.81
$\gamma$ 7.0	1242.11	1232.90	1228.75	1223.94	1222.76	1218.87	1243.87	1238.63	1233.48	1231.05	1226.71	1225.89
$\gamma$ 8.0	1239.67	1229.23	1225.41	1220.38	1219.45	1215.47	1241.04	1235.71	1230.81	1228.70	1223.78	1223.46
$\gamma$ 9.0	1235.34	1225.06	1221.60	1216.35	1215.68	1211.68	1237.19	1232.28	1227.88	1225.70	1220.60	1220.03
$\gamma$ 10.0	1231.54	1220.59	1216.97	1211.93	1211.64	1206.90	1233.28	1229.40	1224.24	1222.14	1216.92	1216.86
$\gamma$ 11.0	1227.00	1215.70	1212.22	1206.98	1206.65	1202.41	1228.62	1224.77	1220.56	1218.39	1212.76	1212.64
$\gamma$ 12.0	1222.35	1210.78	1207.13	1201.65	1202.12	1196.87	1225.19	1220.85	1215.78	1214.49	1208.16	1208.70
$\gamma$ 13.0	1216.91	1204.95	1202.23	1196.27	1196.93	1191.76	1220.02	1216.58	1211.09	1209.82	1203.54	1203.97
$\gamma$ 14.0	1211.59	1199.28	1195.99	1190.07	1190.92	1185.71	1214.14	1210.25	1205.82	1204.36	1198.53	1199.33
$\gamma$ 15.0	1205.23	1192.70	1189.45	1184.28	1184.50	1179.59	1207.95	1205.11	1200.38	1199.51	1192.73	1193.60
$\gamma$ 16.0	1199.23	1186.66	1183.35	1177.00	1178.46	1172.46	1201.20	1199.21	1195.03	1193.05	1186.49	1187.92
$\gamma$ 17.0	1191.51	1178.70	1176.12	1169.81	1171.13	1164.94	1194.83	1192.56	1187.82	1187.46	1180.14	1181.42
$\gamma$ 18.0	1184.23	1171.48	1168.77	1162.39	1164.29	1157.93	1187.65	1186.14	1181.03	1180.84	1173.62	1174.96
$\gamma$ 19.0	1176.73	1163.38	1160.79	1153.92	1156.61	1149.82	1180.25	1178.95	1174.10	1173.38	1166.19	1167.48
$\gamma$ 20.0	1168.63	1154.49	1152.74	1145.64	1147.82	1141.43	1171.92	1170.86	1165.94	1166.56	1158.64	1160.14
$\gamma$ 21.0	1160.07	1146.59	1143.94	1137.58	1139.91	1133.00	1163.95	1163.30	1158.60	1158.37	1149.86	1152.58
$\gamma$ 22.0	1151.29	1137.45	1135.29	1128.39	1130.94	1123.46	1155.34	1155.16	1150.24	1150.88	1142.66	1144.74
$\gamma$ 23.0	1142.06	1127.45	1125.87	1118.94	1121.80	1113.86	1145.99	1145.95	1140.69	1141.80	1133.54	1135.55
$\gamma$ 24.0	1132.47	1117.50	1116.17	1108.62	1112.18	1104.29	1136.50	1137.30	1131.67	1132.98	1123.92	1126.72
$\gamma$ 25.0	1122.13	1107.37	1105.37	1098.74	1102.46	1094.23	1126.91	1127.84	1122.60	1124.07	1114.56	1117.13
$\gamma$ 26.0	1111.63	1096.77	1095.29	1087.92	1091.94	1083.92	1116.49	1117.83	1112.44	1114.28	1104.60	1107.64
$\gamma$ 27.0	1101.43	1085.79	1084.72	1077.35	1081.08	1072.95	1105.49	1107.30	1102.73	1103.93	1094.69	1097.59
$\gamma$ 28.0	1089.90	1074.56	1073.75	1065.75	1069.96	1061.55	1094.60	1097.03	1091.99	1093.53	1083.90	1086.92
$\gamma$ 29.0	1078.51	1062.31	1061.68	1054.19	1059.12	1049.66	1083.48	1086.38	1080.48	1083.02	1072.46	1076.07
$\gamma$ 30.0	1067.07	1050.77	1049.77	1042.01	1046.95	1037.36	1071.34	1074.44	1070.05	1071.73	1061.05	1064.86
$\gamma$ 31.0	1054.47	1037.68	1037.33	1029.79	1035.07	1025.39	1059.26	1063.01	1057.66	1059.91	1050.23	1053.22
$\gamma$ 32.0	1041.22	1025.06	1024.85	1017.13	1022.17	1012.39	1046.95	1050.60	1045.55	1048.12	1037.71	1041.72
$\gamma$ 33.0	1028.51	1012.46	1011.99	1004.20	1009.78	999.74	1033.90	1037.99	1033.19	1036.48	1024.53	1029.20
$\gamma$ 34.0	1015.36	998.34	998.90	990.13	996.39	986.07	1020.79	1025.08	1020.56	1023.79	1012.62	1016.49
$\gamma$ 35.0	1001.34	984.51	984.77	976.95	983.02	972.64	1007.25	1012.37	1007.10	1010.45	998.66	1003.31
$\gamma$ 36.0	987.60	970.85	971.43	962.51	969.37	958.27	993.39	998.68	994.31	997.23	985.02	989.87
$\gamma$ 37.0	973.33	956.24	956.88	948.59	954.93	943.85	979.26	984.91	979.87	983.91	971.90	976.33
$\gamma$ 38.0	959.03	941.09	942.32	933.49	940.83	929.52	964.37	970.55	965.19	969.61	957.57	962.83
$\gamma$ 39.0	943.69	925.95	927.59	918.77	925.78	914.14	949.27	955.95	951.02	955.35	942.52	947.97
$\gamma$ 40.0	929.05	910.56	911.90	903.14	911.00	898.83	934.14	941.34	936.30	941.13	928.26	933.53
$\gamma$ 41.0	912.80	894.58	896.40	887.35	895.19	883.32	918.89	926.00	921.14	925.37	912.62	918.61
$\gamma$ 42.0	896.96	878.19	880.91	871.24	879.60	867.47	902.87	910.29	905.27	910.63	897.18	903.51
$\gamma$ 43.0	880.53	861.85	864.84	855.39	863.77	851.23	886.49	894.82	889.30	895.06	881.24	887.79
$\gamma$ 44.0	864.12	845.29	847.85	838.73	847.48	834.58	870.20	878.62	873.52	878.79	865.39	871.84
$\gamma$ 45.0	847.17	828.39	831.26	821.98	830.57	817.91	853.22	862.33	856.95	862.47	848.74	855.42
$\gamma$ 46.0	830.13	811.27	814.29	804.77	813.95	800.58	836.48	845.54	840.32	846.48	831.94	838.83

# IES Indoor Report

Photometric Filename:242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N.IES

## Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
$\gamma$ 47.0	812.81	793.10	796.77	787.23	796.77	783.25	818.56	828.33	823.14	830.02	815.28	821.80
$\gamma$ 48.0	795.15	775.57	779.42	769.65	779.33	765.62	801.12	811.49	805.88	812.98	798.17	805.01
$\gamma$ 49.0	777.14	757.46	761.45	751.71	761.82	747.94	783.20	794.03	788.37	795.46	780.50	787.77
$\gamma$ 50.0	758.98	739.26	743.49	733.48	743.63	729.49	764.92	776.35	770.47	777.91	762.42	769.97
$\gamma$ 51.0	740.49	720.64	725.26	715.17	725.75	711.29	746.40	757.77	752.71	759.80	744.08	752.07
$\gamma$ 52.0	721.96	701.61	706.31	696.35	707.34	692.16	727.83	739.66	733.99	741.66	726.05	733.65
$\gamma$ 53.0	702.57	682.72	687.75	677.46	688.57	673.22	708.43	720.83	715.10	723.24	707.26	715.28
$\gamma$ 54.0	683.82	663.03	668.69	658.19	669.74	654.42	689.09	701.98	696.45	705.04	688.38	696.96
$\gamma$ 55.0	663.95	643.61	649.42	639.38	650.81	634.94	669.64	682.76	677.38	685.93	669.21	677.74
$\gamma$ 56.0	644.47	624.05	629.82	619.77	631.33	615.36	649.80	663.30	657.60	666.93	649.97	658.59
$\gamma$ 57.0	624.47	604.03	610.51	600.22	612.08	595.69	630.16	643.77	637.95	647.33	630.09	639.13
$\gamma$ 58.0	604.47	583.65	590.27	580.35	592.53	575.70	609.63	623.80	618.32	628.10	610.47	619.52
$\gamma$ 59.0	584.41	563.37	570.55	560.15	572.57	555.66	589.11	603.98	598.11	608.18	590.49	599.70
$\gamma$ 60.0	563.94	543.34	550.49	539.94	552.79	535.62	568.76	583.75	578.07	588.54	570.79	579.94
$\gamma$ 61.0	543.35	522.35	530.20	519.91	532.57	515.27	548.29	563.45	557.90	568.30	550.41	559.84
$\gamma$ 62.0	522.65	501.84	509.81	499.44	512.36	494.55	526.83	543.07	537.39	548.19	530.03	539.41
$\gamma$ 63.0	501.77	481.01	489.53	478.91	492.09	474.25	505.89	522.28	516.88	527.81	509.53	518.98
$\gamma$ 64.0	480.89	460.03	468.85	458.61	471.72	453.51	484.93	501.83	496.09	507.50	489.04	498.45
$\gamma$ 65.0	459.76	439.09	448.26	437.77	451.24	432.75	463.21	480.94	475.28	486.80	468.21	477.79
$\gamma$ 66.0	438.62	418.02	427.67	417.19	430.78	412.19	442.08	459.89	454.42	466.45	447.47	457.21
$\gamma$ 67.0	417.75	397.20	407.07	396.81	410.32	391.68	420.92	439.04	433.86	445.70	426.67	436.65
$\gamma$ 68.0	396.17	376.14	386.42	376.29	389.79	370.73	399.29	417.89	412.76	425.03	405.85	415.79
$\gamma$ 69.0	375.30	355.46	365.95	355.90	369.40	350.28	378.00	396.89	392.04	404.29	385.02	394.88
$\gamma$ 70.0	354.11	334.30	345.47	335.16	348.94	329.70	356.63	376.07	371.08	383.49	364.60	374.26
$\gamma$ 71.0	333.06	313.40	324.96	314.95	328.83	309.09	335.57	355.13	350.46	363.23	343.82	353.77
$\gamma$ 72.0	312.07	292.86	304.68	294.65	308.73	288.94	314.51	334.45	329.95	342.62	323.17	332.80
$\gamma$ 73.0	291.05	272.51	284.66	274.86	288.58	268.64	293.60	313.60	309.37	322.36	302.90	312.28
$\gamma$ 74.0	270.42	252.26	264.89	255.20	268.85	248.91	272.85	293.04	288.95	302.04	282.53	291.83
$\gamma$ 75.0	250.12	232.28	244.96	235.52	249.24	229.40	252.57	272.66	268.90	281.74	262.58	271.40
$\gamma$ 76.0	229.96	212.41	225.76	216.31	229.91	210.17	232.51	252.55	248.89	261.96	242.84	251.34
$\gamma$ 77.0	210.01	193.12	206.32	197.60	210.84	191.16	212.68	232.72	229.23	242.37	223.33	231.53
$\gamma$ 78.0	190.76	174.17	187.70	178.67	192.24	172.56	193.53	213.32	209.96	222.95	204.12	212.21
$\gamma$ 79.0	171.64	155.84	169.29	160.65	173.77	154.65	174.64	194.16	190.96	203.98	185.28	193.06
$\gamma$ 80.0	153.21	137.93	151.02	142.97	155.63	137.05	156.24	175.54	172.41	185.07	166.94	174.19
$\gamma$ 81.0	135.21	120.41	133.42	125.64	137.97	120.01	138.52	157.05	154.13	166.76	148.86	155.83
$\gamma$ 82.0	117.81	103.67	115.94	108.83	120.72	103.47	121.44	139.38	136.38	148.72	131.22	137.96
$\gamma$ 83.0	100.86	87.42	99.12	92.49	103.78	87.53	104.84	122.15	119.03	131.12	113.96	120.70
$\gamma$ 84.0	84.82	72.03	82.93	76.77	87.57	72.31	88.89	105.46	102.29	113.92	97.38	103.92
$\gamma$ 85.0	69.42	57.26	67.15	61.66	71.76	57.70	73.67	89.29	86.13	97.42	81.40	87.91
$\gamma$ 86.0	54.74	43.52	52.24	47.55	56.41	43.76	58.90	73.69	70.58	81.03	65.75	72.30
$\gamma$ 87.0	41.62	31.11	38.82	34.74	42.59	30.80	45.09	58.65	55.55	65.68	51.23	57.40
$\gamma$ 88.0	29.75	20.43	27.75	23.05	30.43	20.07	32.80	45.10	41.88	51.38	38.11	44.10
$\gamma$ 89.0	19.56	12.92	19.38	13.64	20.86	12.65	21.86	33.28	30.20	38.29	27.07	32.56
$\gamma$ 90.0	13.74	8.84	14.27	9.09	14.85	8.77	14.68	24.49	21.20	26.99	18.60	23.79
$\gamma$ 91.0	11.75	6.74	11.62	7.39	11.90	6.77	12.55	18.98	15.35	20.52	13.55	18.14
$\gamma$ 92.0	10.60	6.26	10.45	6.31	10.52	6.08	11.07	16.02	11.72	17.23	10.92	15.03
$\gamma$ 93.0	10.30	6.26	10.26	6.20	10.22	6.07	10.26	14.59	10.18	14.77	9.89	14.24

# IES Indoor Report

Photometric Filename:242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N.IES

## Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 94.0	10.16	6.35	10.05	6.30	10.02	6.12	10.04	14.07	9.94	14.05	9.69	13.82
γ 95.0	9.99	6.36	9.94	6.34	9.87	6.18	9.82	13.62	9.65	13.60	9.48	13.34
γ 96.0	9.87	6.42	9.84	6.30	9.72	6.23	9.65	13.24	9.52	13.19	9.29	12.97
γ 97.0	9.80	6.44	9.68	6.40	9.60	6.30	9.46	12.84	9.30	12.83	9.09	12.65
γ 98.0	9.65	6.50	9.60	6.43	9.57	6.35	9.23	12.52	9.08	12.49	8.89	12.31
γ 99.0	9.62	6.59	9.52	6.51	9.51	6.39	9.06	12.19	8.92	12.20	8.69	11.99
γ 100.0	9.58	6.63	9.46	6.57	9.38	6.50	8.90	11.88	8.75	11.84	8.56	11.64
γ 101.0	9.54	6.73	9.44	6.63	9.43	6.50	8.72	11.59	8.57	11.55	8.37	11.40
γ 102.0	9.53	6.81	9.43	6.76	9.38	6.61	8.60	11.35	8.44	11.38	8.21	11.10
γ 103.0	9.50	6.91	9.40	6.81	9.37	6.73	8.43	11.07	8.31	11.00	8.09	10.79
γ 104.0	9.50	7.02	9.46	6.96	9.38	6.78	8.29	10.82	8.14	10.81	7.95	10.60
γ 105.0	9.54	7.13	9.45	7.06	9.41	6.92	8.14	10.61	8.05	10.52	7.77	10.31
γ 106.0	9.56	7.22	9.49	7.14	9.47	7.03	8.02	10.39	7.90	10.33	7.68	10.16
γ 107.0	9.58	7.30	9.49	7.24	9.45	7.20	8.00	10.16	7.71	10.13	7.51	9.89
γ 108.0	9.65	7.46	9.55	7.38	9.48	7.30	7.87	9.98	7.63	9.96	7.43	9.78
γ 109.0	9.70	7.51	9.54	7.43	9.48	7.38	7.76	9.80	7.50	9.74	7.38	9.64
γ 110.0	9.69	7.61	9.58	7.57	9.53	7.49	7.71	9.65	7.46	9.60	7.27	9.51
γ 111.0	9.77	7.70	9.61	7.67	9.61	7.61	7.65	9.56	7.38	9.43	7.18	9.32
γ 112.0	9.76	7.83	9.65	7.74	9.62	7.66	7.62	9.41	7.24	9.27	7.17	9.25
γ 113.0	9.83	7.95	9.72	7.85	9.64	7.78	7.56	9.25	7.27	9.15	7.13	9.14
γ 114.0	9.88	8.06	9.73	7.95	9.69	7.84	7.52	9.20	7.14	9.09	7.11	9.06
γ 115.0	9.85	8.13	9.80	8.01	9.72	7.96	7.54	9.14	7.19	8.99	7.07	8.97
γ 116.0	9.94	8.26	9.85	8.14	9.81	8.07	7.50	9.05	7.16	8.93	7.07	8.88
γ 117.0	9.98	8.32	9.91	8.20	9.79	8.17	7.51	9.01	7.11	8.86	7.02	8.80
γ 118.0	10.07	8.43	9.94	8.31	9.90	8.24	7.53	8.95	7.13	8.82	7.03	8.72
γ 119.0	10.11	8.55	10.00	8.45	9.89	8.35	7.51	8.89	7.17	8.80	7.05	8.74
γ 120.0	10.13	8.59	10.05	8.52	10.06	8.45	7.53	8.85	7.18	8.73	7.06	8.71
γ 121.0	10.20	8.70	10.17	8.66	10.04	8.49	7.56	8.84	7.17	8.71	7.08	8.68
γ 122.0	10.24	8.84	10.16	8.76	10.11	8.66	7.61	8.85	7.23	8.66	7.15	8.69
γ 123.0	10.28	8.92	10.22	8.78	10.14	8.70	7.63	8.82	7.29	8.72	7.15	8.67
γ 124.0	10.38	9.00	10.30	8.92	10.25	8.84	7.66	8.82	7.35	8.70	7.19	8.67
γ 125.0	10.44	9.11	10.37	9.00	10.28	8.92	7.74	8.87	7.42	8.68	7.27	8.68
γ 126.0	10.51	9.20	10.44	9.09	10.34	9.02	7.81	8.88	7.41	8.70	7.27	8.69
γ 127.0	10.56	9.29	10.53	9.19	10.44	9.14	7.87	8.86	7.44	8.75	7.35	8.67
γ 128.0	10.66	9.44	10.54	9.29	10.49	9.25	7.95	8.90	7.48	8.72	7.36	8.73
γ 129.0	10.74	9.53	10.60	9.35	10.59	9.32	7.95	8.92	7.60	8.78	7.52	8.75
γ 130.0	10.79	9.64	10.73	9.46	10.60	9.41	8.05	8.94	7.63	8.76	7.61	8.79
γ 131.0	10.91	9.65	10.86	9.56	10.70	9.52	8.12	8.94	7.70	8.84	7.64	8.88
γ 132.0	10.94	9.76	10.83	9.65	10.76	9.55	8.21	9.01	7.79	8.86	7.70	8.88
γ 133.0	10.95	9.82	10.92	9.73	10.82	9.66	8.25	9.05	7.94	8.91	7.83	8.89
γ 134.0	11.05	9.94	11.00	9.83	10.89	9.78	8.39	9.12	7.97	8.96	7.90	8.95
γ 135.0	11.13	10.02	11.03	9.99	10.95	9.82	8.46	9.18	8.03	9.02	7.97	8.99
γ 136.0	11.17	10.09	11.06	9.99	11.00	9.90	8.55	9.29	8.17	9.11	8.05	9.07
γ 137.0	11.24	10.22	11.18	10.11	11.13	10.01	8.65	9.32	8.23	9.10	8.12	9.13
γ 138.0	11.32	10.32	11.20	10.21	11.16	10.09	8.70	9.40	8.37	9.21	8.24	9.19
γ 139.0	11.40	10.39	11.28	10.34	11.18	10.16	8.86	9.43	8.47	9.25	8.32	9.28
γ 140.0	11.43	10.41	11.28	10.37	11.24	10.28	8.96	9.50	8.50	9.41	8.40	9.33

# IES Indoor Report

Photometric Filename:242654-2 PVPL-M3205-40W30K22-02 A80-0119010143N.IES

## Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 141.0	11.46	10.55	11.40	10.41	11.30	10.34	9.09	9.62	8.62	9.44	8.51	9.44
γ 142.0	11.54	10.61	11.43	10.50	11.36	10.43	9.16	9.67	8.77	9.52	8.55	9.51
γ 143.0	11.64	10.75	11.51	10.59	11.38	10.50	9.26	9.70	8.85	9.55	8.68	9.55
γ 144.0	11.68	10.79	11.57	10.67	11.52	10.60	9.35	9.81	8.92	9.66	8.81	9.59
γ 145.0	11.69	10.87	11.57	10.69	11.58	10.61	9.46	9.89	9.04	9.75	8.90	9.71
γ 146.0	11.77	10.94	11.70	10.81	11.63	10.72	9.64	10.02	9.14	9.83	9.00	9.75
γ 147.0	11.83	11.01	11.69	10.86	11.66	10.80	9.72	10.06	9.30	9.87	9.09	9.84
γ 148.0	11.85	11.04	11.74	10.96	11.70	10.81	9.81	10.18	9.36	9.96	9.20	9.92
γ 149.0	11.91	11.07	11.74	11.01	11.72	10.92	9.93	10.21	9.47	10.03	9.28	10.02
γ 150.0	11.94	11.14	11.78	11.02	11.77	10.94	10.05	10.36	9.55	10.12	9.38	10.09
γ 151.0	11.95	11.17	11.82	11.09	11.82	10.94	10.10	10.42	9.66	10.23	9.48	10.17
γ 152.0	12.05	11.22	11.86	11.11	11.87	11.06	10.22	10.52	9.75	10.31	9.57	10.24
γ 153.0	12.02	11.28	11.88	11.20	11.86	11.10	10.31	10.55	9.78	10.36	9.65	10.35
γ 154.0	12.08	11.37	11.90	11.23	11.93	11.14	10.47	10.65	9.91	10.51	9.80	10.46
γ 155.0	12.07	11.39	11.93	11.29	11.95	11.21	10.52	10.79	10.04	10.54	9.83	10.50
γ 156.0	12.16	11.46	12.00	11.33	11.97	11.26	10.62	10.86	10.13	10.65	9.96	10.58
γ 157.0	12.19	11.50	12.02	11.42	12.01	11.30	10.69	10.94	10.26	10.69	10.02	10.67
γ 158.0	12.20	11.58	12.07	11.46	12.02	11.32	10.83	10.98	10.34	10.78	10.15	10.73
γ 159.0	12.25	11.57	12.14	11.43	12.03	11.40	10.89	11.06	10.40	10.91	10.26	10.84
γ 160.0	12.24	11.63	12.10	11.47	12.08	11.33	10.97	11.10	10.51	10.94	10.37	10.91
γ 161.0	12.23	11.64	12.15	11.46	12.07	11.42	11.06	11.21	10.59	11.01	10.48	10.96
γ 162.0	12.24	11.70	12.17	11.56	12.12	11.40	11.11	11.23	10.65	11.11	10.53	11.06
γ 163.0	12.31	11.70	12.16	11.56	12.09	11.43	11.18	11.37	10.70	11.21	10.66	11.14
γ 164.0	12.28	11.74	12.14	11.58	12.08	11.51	11.26	11.41	10.78	11.28	10.73	11.16
γ 165.0	12.29	11.78	12.19	11.61	12.13	11.48	11.34	11.45	10.88	11.32	10.80	11.24
γ 166.0	12.30	11.75	12.20	11.60	12.12	11.50	11.39	11.55	10.93	11.39	10.87	11.26
γ 167.0	12.31	11.75	12.19	11.64	12.19	11.55	11.49	11.53	11.03	11.46	10.99	11.31
γ 168.0	12.36	11.79	12.22	11.60	12.20	11.56	11.58	11.64	11.05	11.51	11.05	11.40
γ 169.0	12.36	11.79	12.18	11.68	12.14	11.58	11.59	11.68	11.07	11.53	11.10	11.41
γ 170.0	12.36	11.81	12.27	11.60	12.12	11.62	11.64	11.72	11.16	11.56	11.13	11.49
γ 171.0	12.34	11.85	12.20	11.68	12.14	11.58	11.73	11.75	11.26	11.63	11.23	11.50
γ 172.0	12.35	11.83	12.20	11.65	12.14	11.60	11.75	11.81	11.32	11.67	11.28	11.58
γ 173.0	12.36	11.77	12.18	11.73	12.10	11.59	11.84	11.84	11.32	11.72	11.29	11.63
γ 174.0	12.33	11.82	12.16	11.68	12.06	11.56	11.90	11.85	11.39	11.73	11.39	11.69
γ 175.0	12.30	11.85	12.16	11.72	12.07	11.60	11.92	11.92	11.43	11.79	11.36	11.72
γ 176.0	12.30	11.83	12.13	11.63	12.05	11.61	12.01	11.97	11.44	11.83	11.48	11.76
γ 177.0	12.27	11.84	12.12	11.69	12.01	11.61	12.08	11.97	11.59	11.89	11.47	11.75
γ 178.0	12.23	11.82	12.09	11.71	12.02	11.59	12.13	12.02	11.58	11.87	11.53	11.78
γ 179.0	12.20	11.80	12.01	11.65	12.02	11.53	12.17	12.04	11.63	11.90	11.60	11.81
γ 180.0	12.15	11.82	11.90	11.65	11.85	11.56	12.26	11.99	11.68	11.92	11.61	11.82