

Road Luminaire Photometric Data

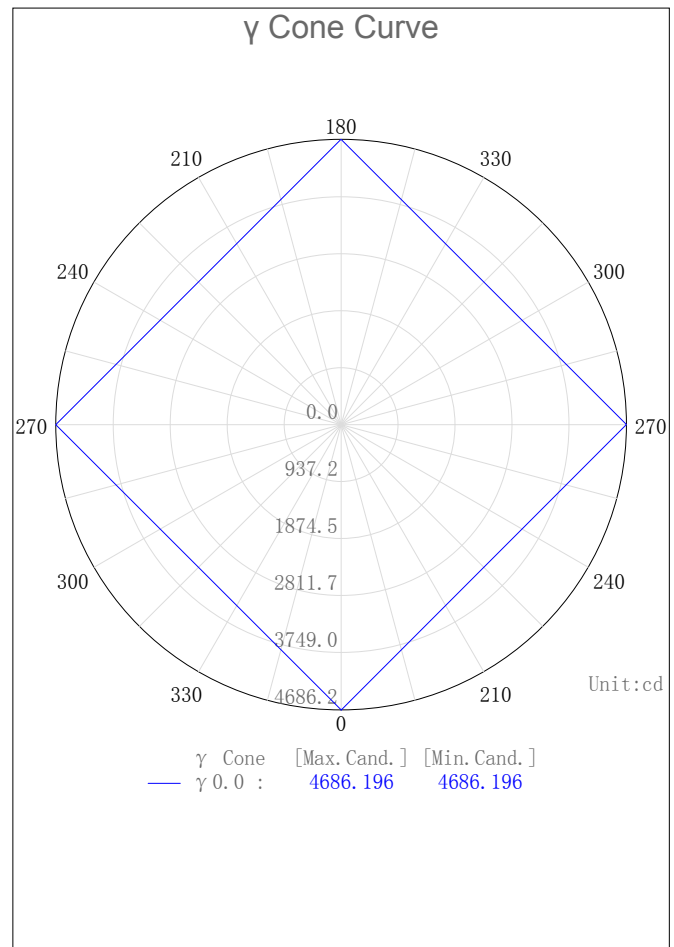
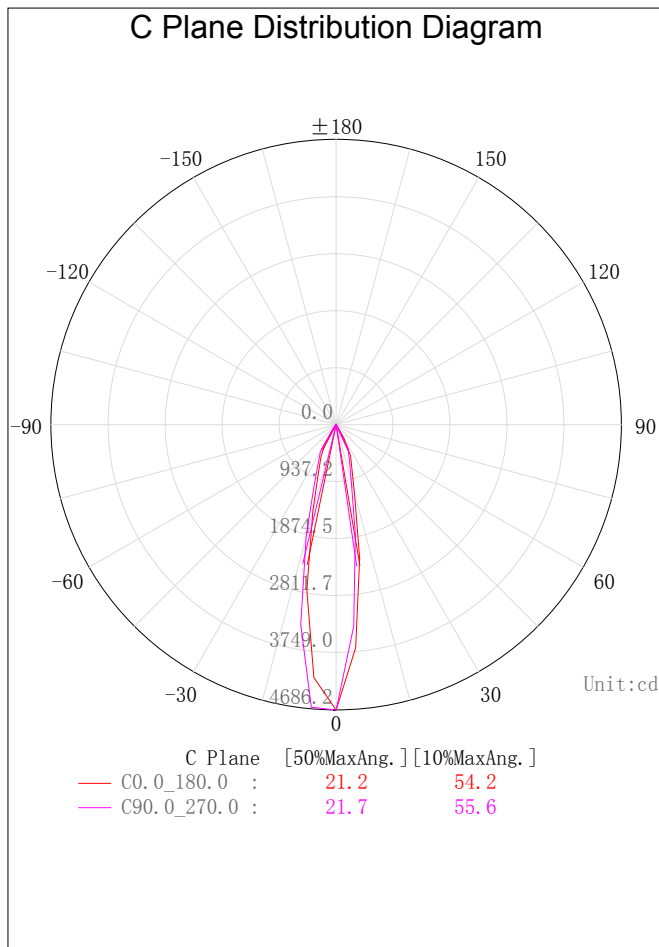
Description Information

Lum. Name: SMDL12W3K-WH	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: COB	Test Date: 2019/09/24
Manufacture:	ShldAngle(°):	Test Machine:GON-2000
Test Lab:	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.080m*0.080m*0.150m	Lum. Area (m2):0.018	Lum. W(kg): 2.000
Test System: C, γ	Test Step: C=90.0 γ=5.0	Temp. (°C): 25
		Humidity(%):

Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1098.240	Luminaire Flux: 1098.243lm	Down Lumens&Percent: 1089.599lm 99.21%
Rated Power(W):	Luminaire Efficiency: 100.00%	Up Lumens&Percent: 8.644lm 0.79%
Rated Voltage(V):	Luminaire EER(lm/W): 90.242	76° Flash Area(m2):
Tested Power(W): 12.170	Max. Cand. (cd): 4686.196	SLI: 0.000
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	IES Classification: Type I
Tested Electric:U=238.0V, I=0.052A, PF=0.000	Half Peak Angle: Left=-11.6 Right=9.0	Longitudinal Classfct: Very Short
Lamp Size (W*L*H):0.080m*0.080m*0.150m	Field Angle(10%Imax): 54.2	Cutoff Classification: Cutoff

Lighting Distribution Diagram



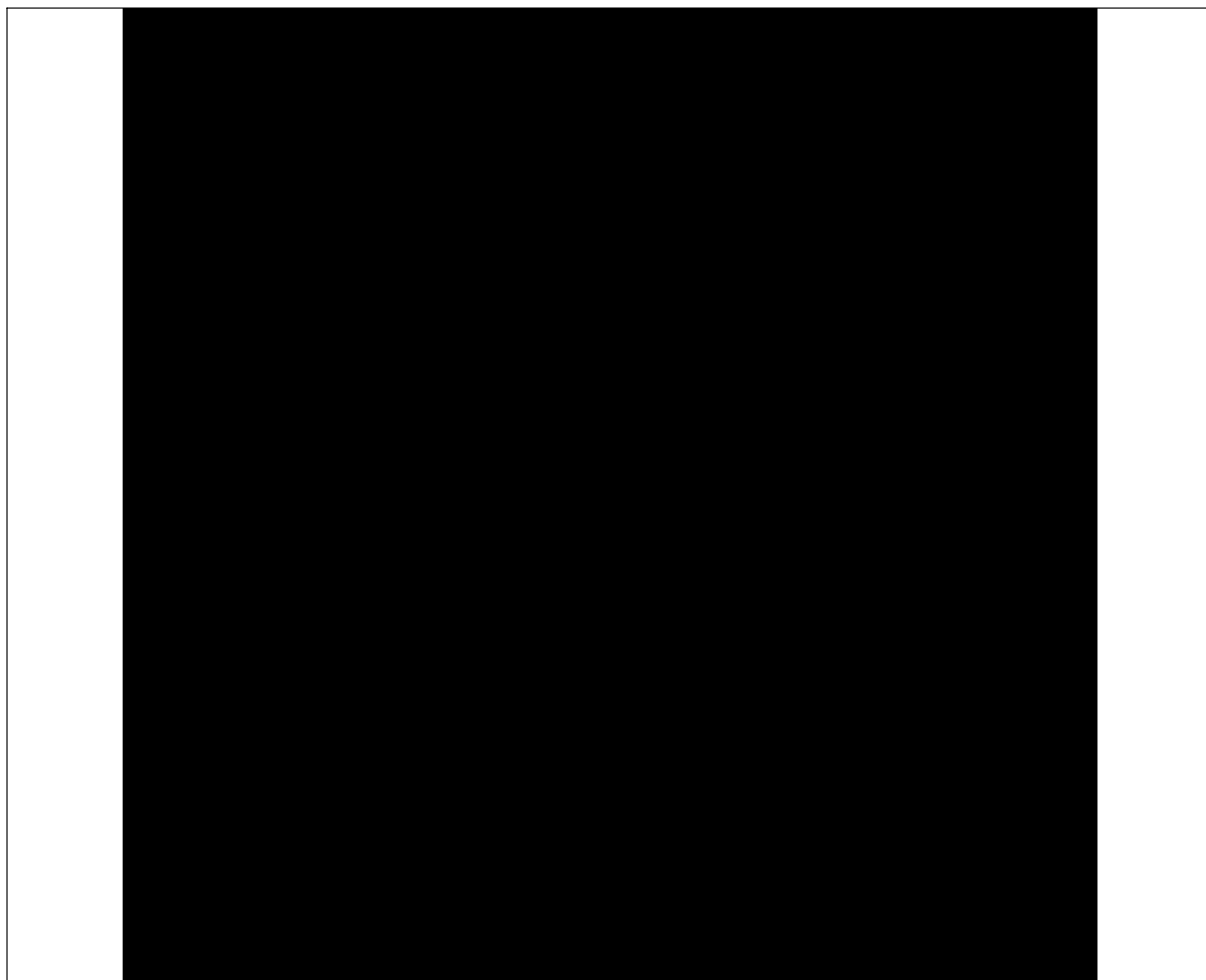
IES Road Report

Photometric Filename:SMDL12W3K-WH-2019-09-24.IES

3D Light Intensity Distribution Modal

Lum. Name: SMDL12W3K-WH	Lum. Catalog: LED DOWNLIGHT	Test ID:
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Manufacture:	Test Machine:GON-2000	Test Date: 2019/09/24

3D Light Intensity Distribution Modal



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

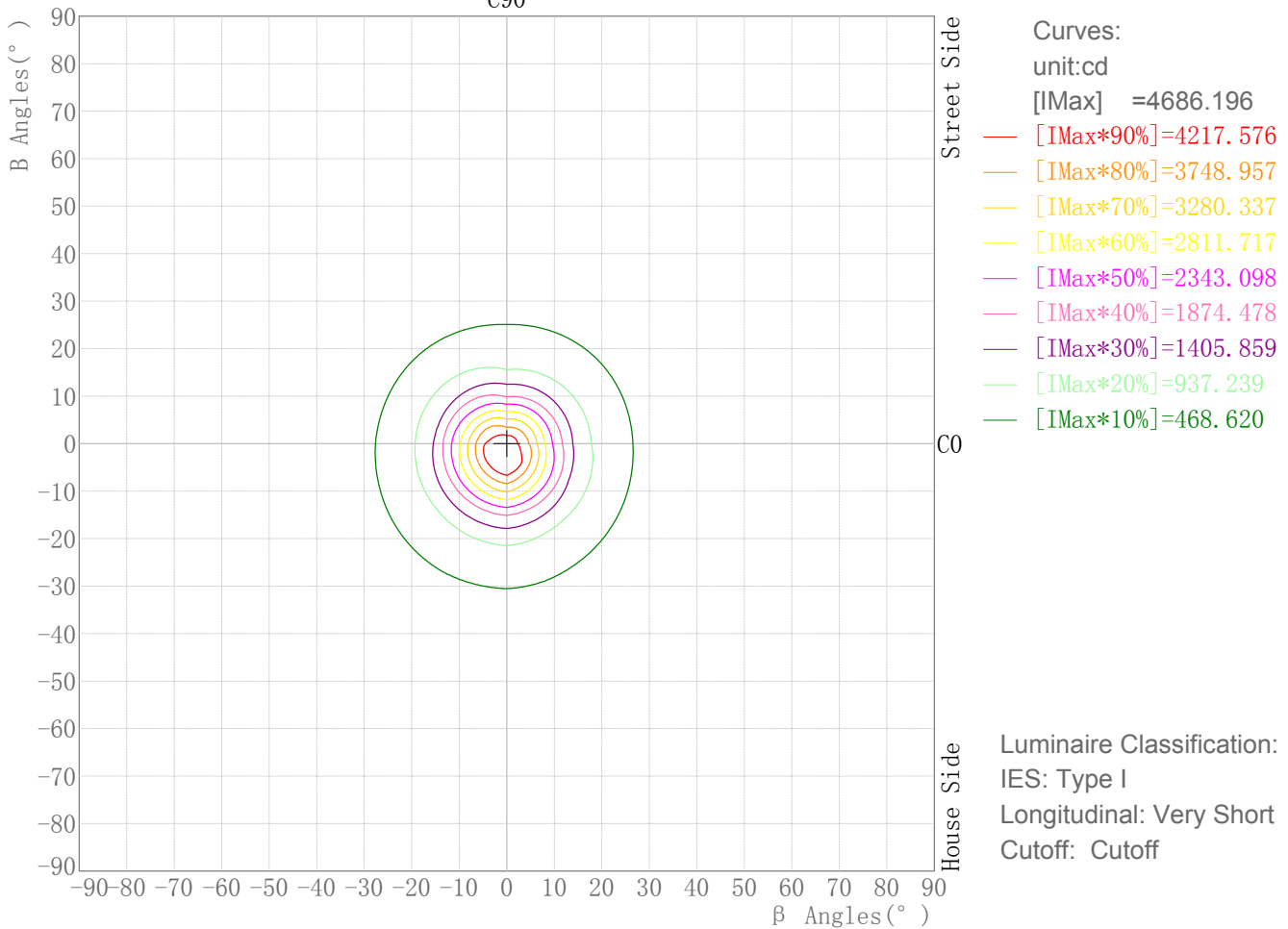
Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	103.33	103.33	9.41	9.41
5.0-10.0	232.41	335.74	21.16	30.57
10.0-15.0	232.26	568.00	21.15	51.72
15.0-20.0	181.37	749.37	16.51	68.23
20.0-25.0	147.23	896.59	13.41	81.64
25.0-30.0	111.86	1008.45	10.19	91.82
30.0-35.0	52.01	1060.46	4.74	96.56
35.0-40.0	11.46	1071.93	1.04	97.60
40.0-45.0	6.04	1077.96	0.55	98.15
45.0-50.0	4.28	1082.24	0.39	98.54
50.0-55.0	3.26	1085.50	0.30	98.84
55.0-60.0	2.30	1087.79	0.21	99.05
60.0-65.0	1.21	1089.00	0.11	99.16
65.0-70.0	0.45	1089.45	0.04	99.20
70.0-75.0	0.14	1089.58	0.01	99.21
75.0-80.0	0.02	1089.60	0.00	99.21
80.0-85.0	0.00	1089.60	0.00	99.21
85.0-90.0	0.00	1089.60	0.00	99.21
90.0-95.0	0.00	1089.60	0.00	99.21
95.0-100.0	0.00	1089.60	0.00	99.21
100.0-105.0	0.00	1089.60	0.00	99.21
105.0-110.0	0.00	1089.60	0.00	99.21
110.0-115.0	0.00	1089.60	0.00	99.21
115.0-120.0	0.00	1089.60	0.00	99.21
120.0-125.0	0.00	1089.60	0.00	99.21
125.0-130.0	0.09	1089.69	0.01	99.22
130.0-135.0	0.48	1090.17	0.04	99.27
135.0-140.0	0.98	1091.15	0.09	99.35
140.0-145.0	1.30	1092.46	0.12	99.47
145.0-150.0	1.39	1093.85	0.13	99.60
150.0-155.0	1.32	1095.17	0.12	99.72
155.0-160.0	1.14	1096.31	0.10	99.82
160.0-165.0	0.90	1097.21	0.08	99.91
165.0-170.0	0.61	1097.81	0.06	99.96
170.0-175.0	0.33	1098.14	0.03	99.99
175.0-180.0	0.10	1098.24	0.01	100.00

Rectangle ISO Lighting Intensity Diagram

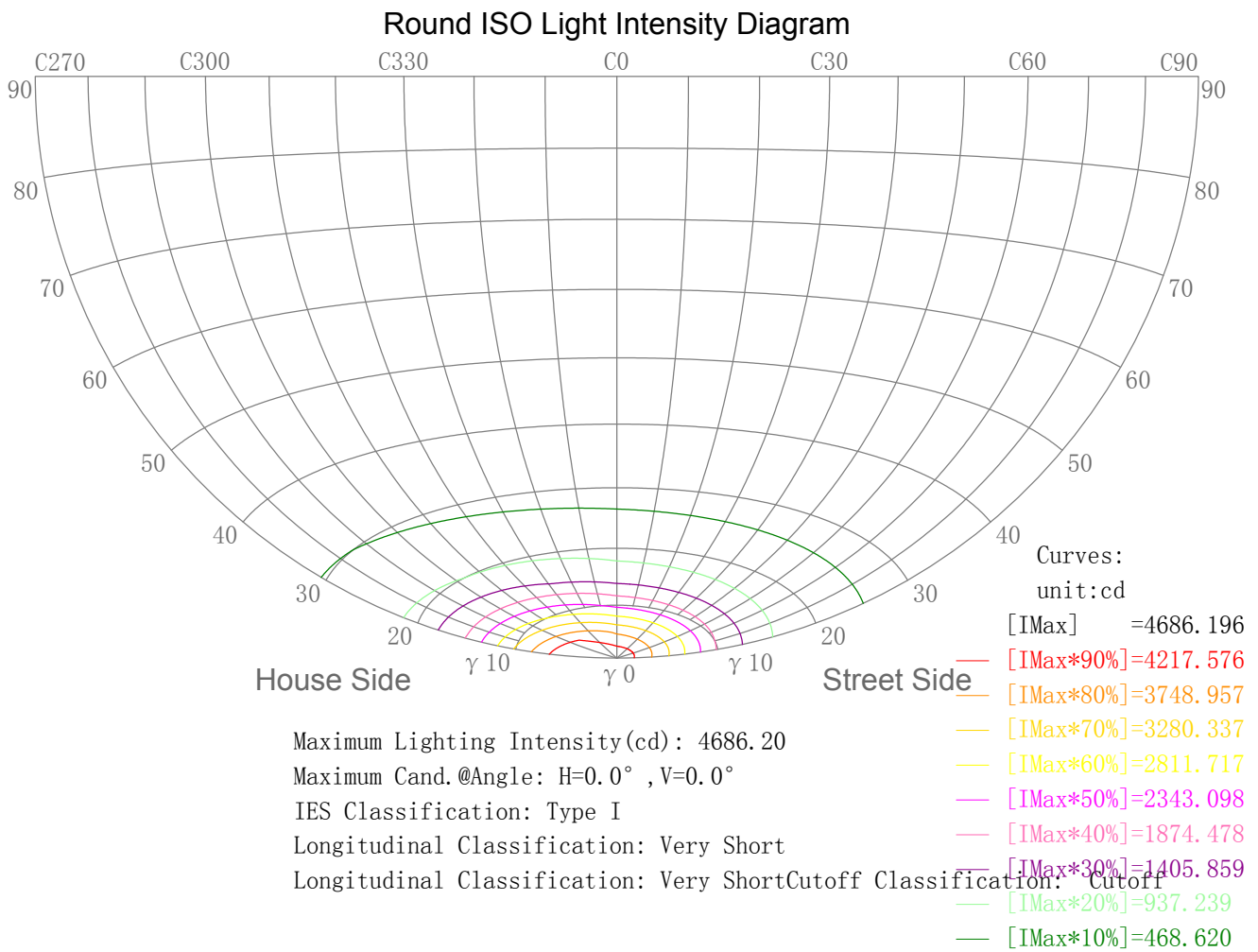
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Manufacture:	Test Machine:GON-2000	Test Date: 2019/09/24

ISO Lighting Intensity Curve
C90



Round ISO Lighting Intensity Diagram

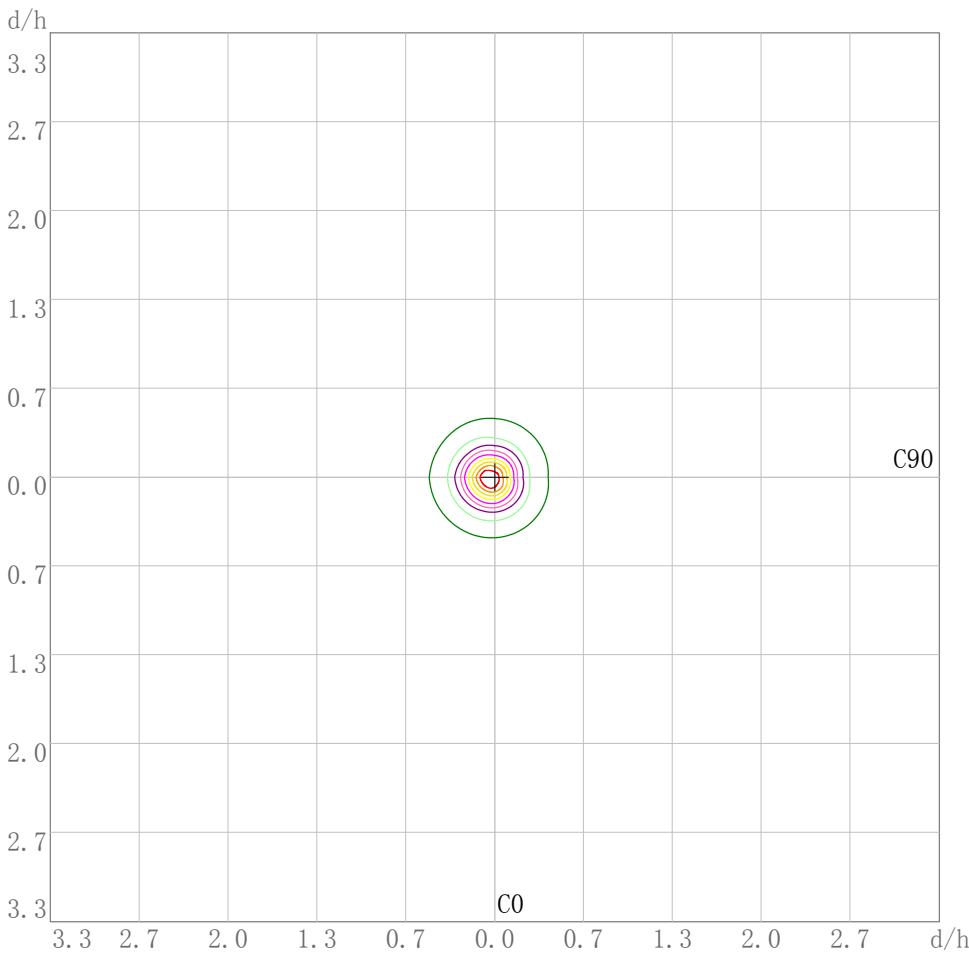
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Lamp Name: 3000K	Lamp Catalog: COB	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/09/24



Plane ISO-Illuminance Diagram

Lum. Name: SMDL12W3K-WH	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: COB	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/09/24

Plane ISO-Illuminance Curve



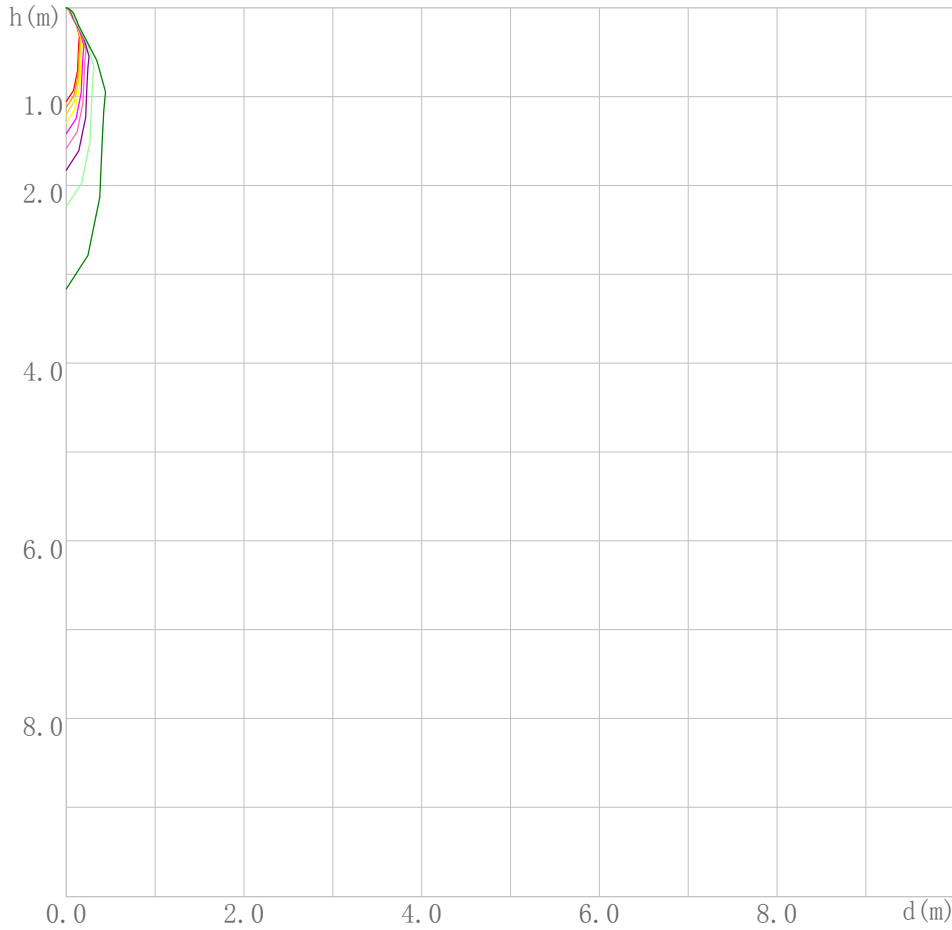
- Curves:
unit:lx
[EMax] =520.688
- [EMax*90%]=468.620
 - [EMax*80%]=416.551
 - [EMax*70%]=364.482
 - [EMax*60%]=312.413
 - [EMax*50%]=260.344
 - [EMax*40%]=208.275
 - [EMax*30%]=156.207
 - [EMax*20%]=104.138
 - [EMax*10%]=52.069

House Side Street Side
 Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 520.69
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

Space ISO Illuminance Diagram

Lum. Name: SMDL12W3K-WH	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: COB	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/09/24

Space ISO Illuminance Curve

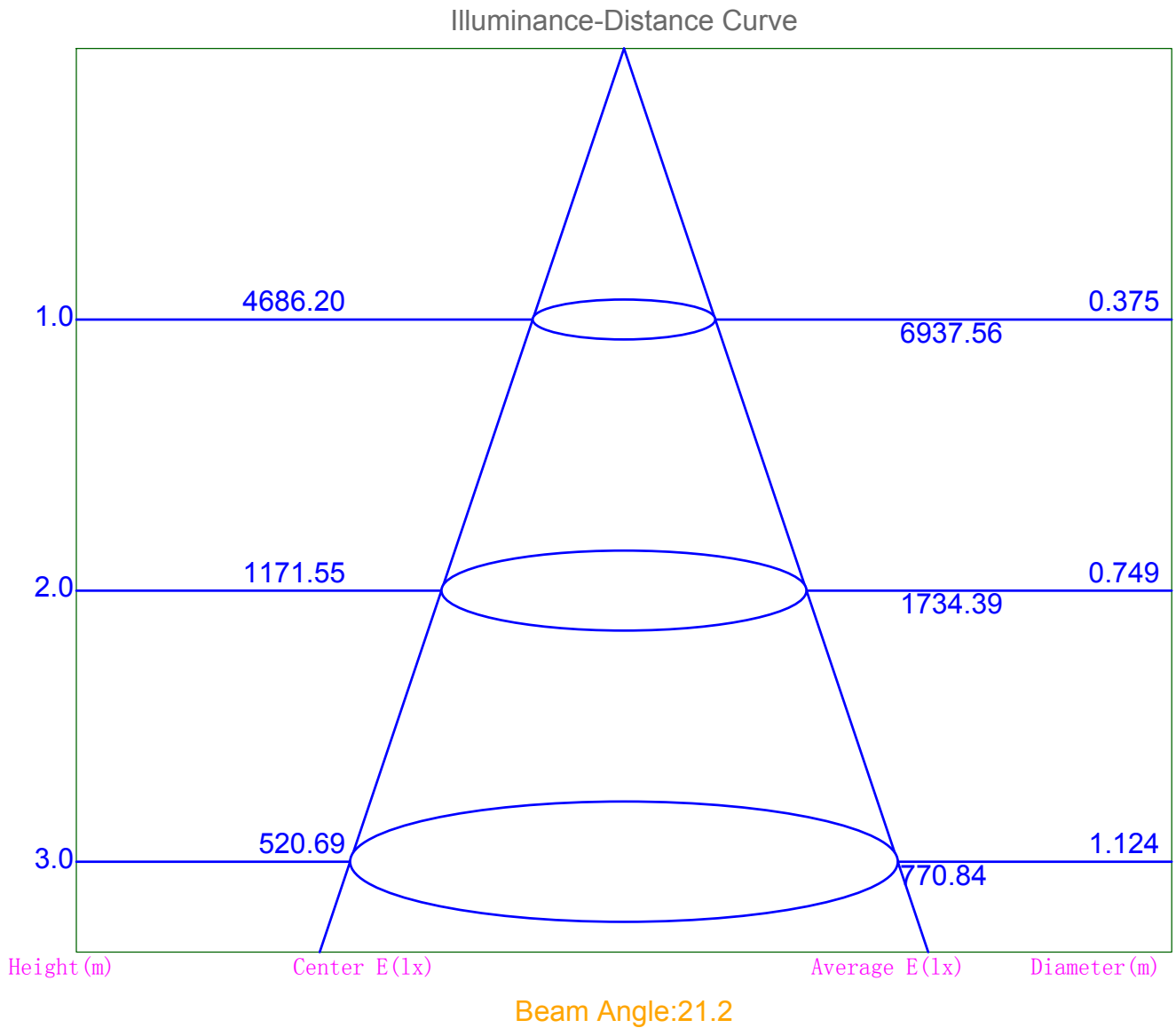


- Curves:
unit:lx
[EMax] =4686.196
- [EMax*90%]=4217.576
 - [EMax*80%]=3748.957
 - [EMax*70%]=3280.337
 - [EMax*60%]=2811.717
 - [EMax*50%]=2343.098
 - [EMax*40%]=1874.478
 - [EMax*30%]=1405.859
 - [EMax*20%]=937.239
 - [EMax*10%]=468.620

Space Plane Maximum Illuminance and @Angle:4686.20,0.0deg
Plane Maximum Lighting Intensity and @Angle:4686.196cd,0deg

Illuminance-Distance Diagram

Lum. Name: SMDL12W3K-WH	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: COB	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/09/24

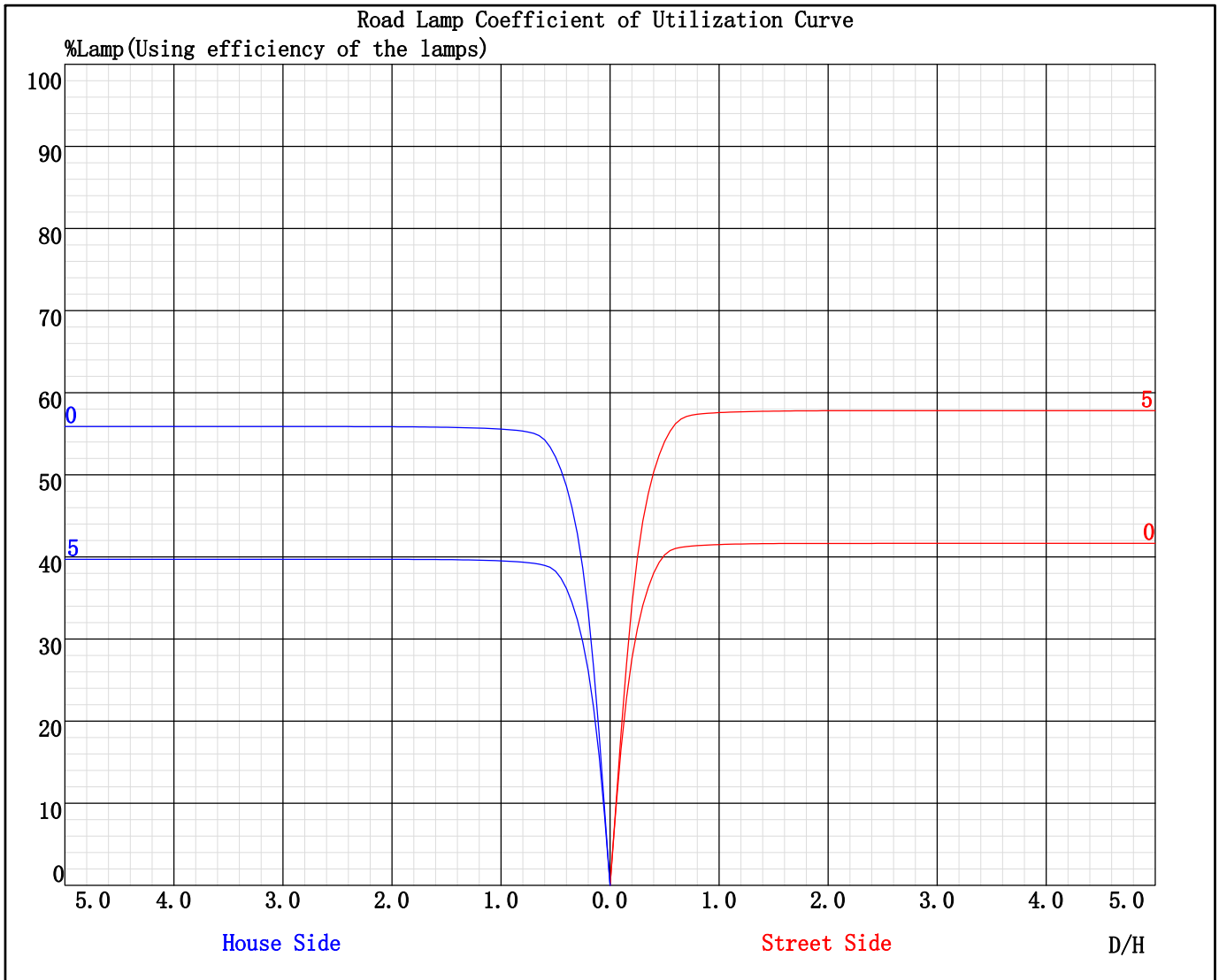


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Road Coefficient of Utilization Curves

Lum. Name: SMDL12W3K-WH	Lum. Catalog: LED DOWNLIGHT	Test ID:
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Manufacture:	Test Machine:GON-2000	Test Date: 2019/09/24



Tilt Angles: Ang1(deg): 0 Ang2(deg): 5

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Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	4686.20	4686.20	4686.20	4686.20
γ 5.0	3679.89	3322.00	4170.33	4657.59
γ 10.0	2231.61	1828.89	2761.11	3335.36
γ 15.0	1173.18	973.42	1462.66	1895.57
γ 20.0	756.55	646.24	852.32	1042.71
γ 25.0	564.12	474.68	588.40	689.92
γ 30.0	254.80	88.97	361.79	513.02
γ 35.0	31.74	21.36	35.58	105.53
γ 40.0	19.42	12.35	19.42	29.39
γ 45.0	12.16	8.17	11.62	17.91
γ 50.0	9.29	6.02	7.61	11.85
γ 55.0	7.10	4.20	5.28	8.55
γ 60.0	4.05	0.99	3.22	6.33
γ 65.0	1.70	0.00	0.75	2.78
γ 70.0	0.47	0.00	0.00	1.38
γ 75.0	0.00	0.00	0.00	0.24
γ 80.0	0.00	0.00	0.00	0.00
γ 85.0	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00
γ 95.0	0.00	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00
γ 105.0	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00
γ 125.0	0.00	0.00	0.00	0.00
γ 130.0	0.52	0.82	0.37	0.03
γ 135.0	2.10	2.34	1.91	1.33
γ 140.0	3.60	3.74	3.37	2.82
γ 145.0	4.81	4.58	4.44	3.90
γ 150.0	5.52	5.05	5.08	4.48
γ 155.0	5.86	5.34	5.38	4.90
γ 160.0	6.01	5.43	5.53	5.16
γ 165.0	5.63	5.17	5.28	5.29
γ 170.0	4.99	4.59	4.93	5.03
γ 175.0	4.22	4.08	4.32	4.65
γ 180.0	4.08	4.08	4.08	4.08