

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P793751

Luminaire Tested: LER6D55D010-EC6DR3055659035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR3055659035-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5172.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

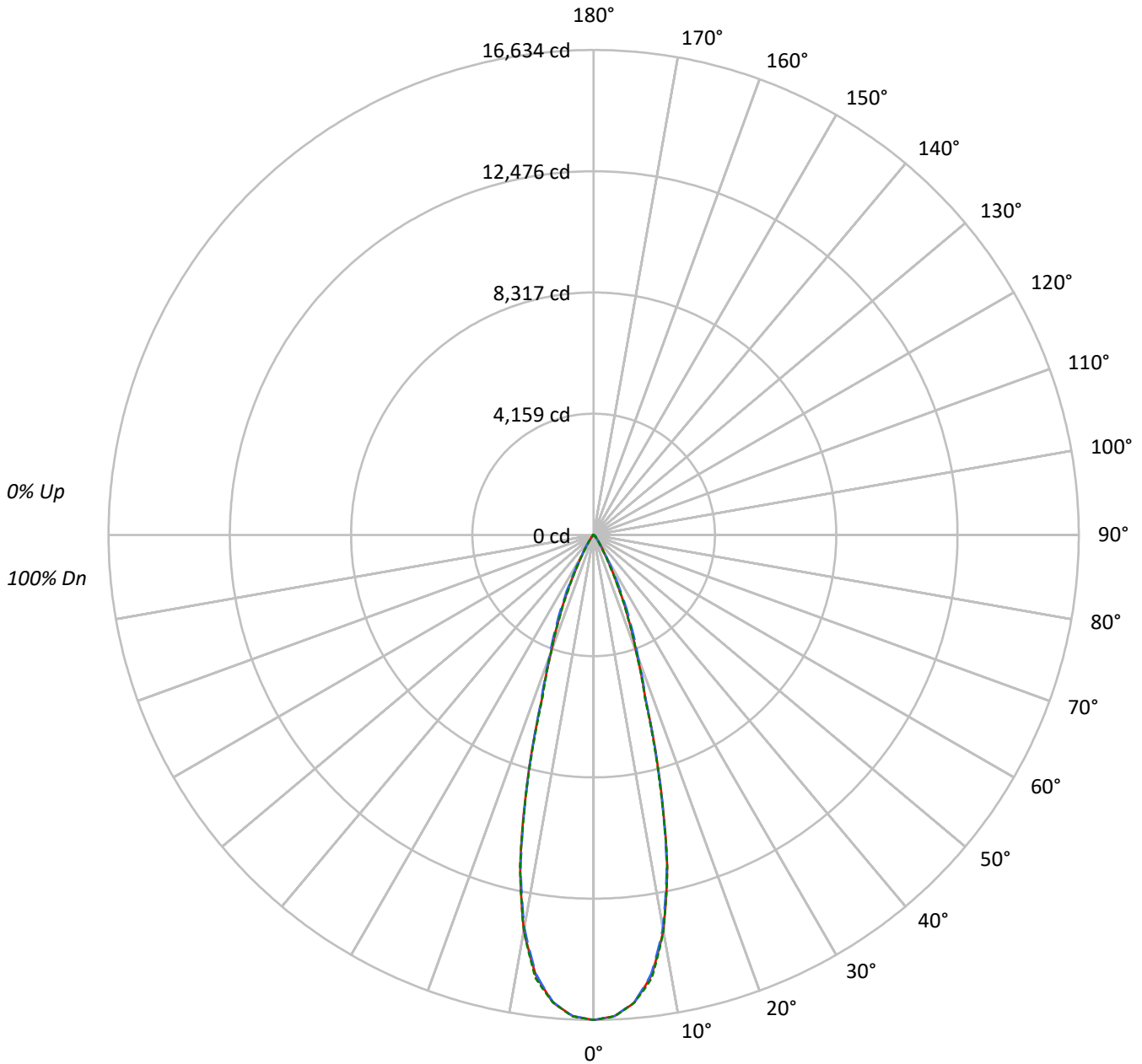


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1273185	1273185	1273185
5°	1236633	1235189	1236695
10°	1071117	1063562	1070861
15°	698849	695093	691598
20°	347507	360540	347042
25°	175053	197400	171463
30°	70089	76364	61065
35°	32509	31135	26098
40°	14039	15588	13219
45°	9905	12286	9991
50°	3406	8943	3596
55°	1962	3710	2068
60°	1378	1623	1378
65°	887	887	887
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12286 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1462.7	28.3
10°-20°	2355.6	45.5
20°-30°	1017.9	19.7
30°-40°	232.0	4.5
40°-50°	79.7	1.5
50°-60°	19.4	0.4
60°-70°	5.0	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4836.2	93.5
0°-40°	5068.2	98.0
0°-60°	5167.3	99.9
0°-90°	5172.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5172.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16634	16634	16634	16634	16634	
5°	16094	16079	16076	16109	16095	1464
15°	8819	8713	8772	8743	8728	2361
25°	2073	2151	2337	2096	2030	992
35°	348	355	333	331	279	236
45°	92	114	114	114	92	65
55°	15	16	28	16	16	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16633.5	16633.5	16633.5	16633.5	16633.5
2.5°	16523.3	16511.8	16518.4	16526.5	16529.8
5°	16094.5	16079.0	16075.7	16109.2	16095.3
7.5°	15229.7	15207.6	15174.2	15250.1	15321.2
10°	13781.0	13756.5	13683.8	13719.7	13777.7
12.5°	11642.2	11562.9	11561.3	11675.6	11660.1
15°	8819.0	8712.8	8771.6	8743.0	8727.5
17.5°	5930.5	5889.7	5968.1	5944.4	5842.3
20°	4266.2	4276.8	4426.2	4351.1	4260.5
22.5°	3113.1	3151.4	3328.7	3135.1	3064.1
25°	2072.7	2151.1	2337.3	2096.3	2030.2
27.5°	1274.8	1310.7	1499.4	1258.5	1222.5
30°	793.0	775.0	864.0	741.5	690.9
32.5°	520.2	497.3	525.9	472.0	431.2
35°	347.9	355.2	333.2	330.7	279.3
37.5°	217.2	249.9	220.5	235.2	179.7
40°	140.5	181.3	156.0	172.3	132.3
42.5°	115.1	139.6	128.2	136.4	117.6
45°	91.5	113.5	113.5	113.5	92.3
47.5°	50.6	75.9	97.2	77.6	53.9
50°	28.6	38.4	75.1	40.0	30.2
52.5°	19.6	22.0	51.4	22.9	20.4
55°	14.7	15.5	27.8	16.3	15.5
57.5°	11.4	12.2	14.7	12.2	11.4
60°	9.0	9.0	10.6	9.8	9.0
62.5°	6.5	6.5	7.3	6.5	6.5
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.4	3.3	3.3	3.3	3.3
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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