

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: P790751

Luminaire Tested: LER6D25D010-EC6DR3020359024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790751
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: LER6D25D010-EC6DR3020359024-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3394.5 lumens
Efficiency: N/A
Efficacy: 135.2 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): 25.1
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

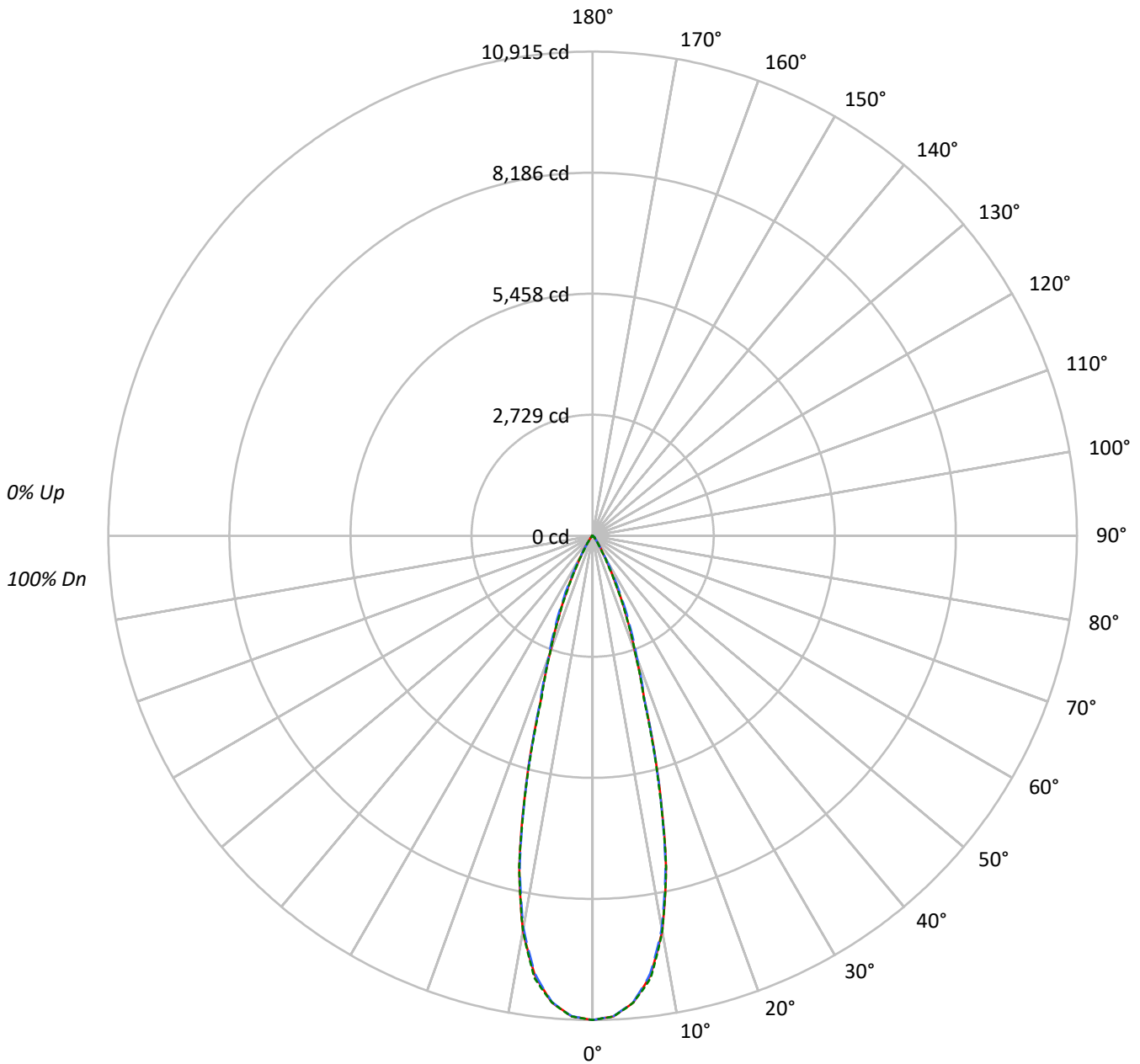


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	835479	835479	835479
5°	811493	810548	811540
10°	702875	697924	702712
15°	458590	456126	453836
20°	228035	236596	227734
25°	114869	129531	112513
30°	45995	50114	40074
35°	21333	20426	17128
40°	9213	10232	8673
45°	6495	8065	6560
50°	2239	5871	2358
55°	1281	2429	1361
60°	903	1072	903
65°	580	580	580
70°	358	246	358
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8065 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	959.8	28.3
10°-20°	1545.8	45.5
20°-30°	668.0	19.7
30°-40°	152.2	4.5
40°-50°	52.3	1.5
50°-60°	12.8	0.4
60°-70°	3.3	0.1
70°-80°	0.3	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°	3173.6	93.5
0°-40°	3325.8	98.0
0°-60°	3390.9	99.9
0°-90°	3394.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3394.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10915	10915	10915	10915	10915	
5°	10561	10551	10549	10571	10562	961
15°	5787	5718	5756	5737	5727	1550
25°	1360	1412	1534	1376	1332	651
35°	228	233	219	217	183	155
45°	60	74	74	74	61	43
55°	10	10	18	11	10	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	10915.1	10915.1	10915.1	10915.1	10915.1
2.5°	10842.8	10835.3	10839.5	10844.9	10847.1
5°	10561.4	10551.2	10549.1	10571.1	10562.0
7.5°	9993.9	9979.4	9957.5	10007.3	10053.9
10°	9043.2	9027.2	8979.5	9003.0	9041.1
12.5°	7639.7	7587.7	7586.7	7661.7	7651.5
15°	5787.1	5717.5	5756.0	5737.3	5727.1
17.5°	3891.7	3864.9	3916.3	3900.8	3833.8
20°	2799.5	2806.5	2904.6	2855.2	2795.8
22.5°	2042.8	2068.0	2184.3	2057.3	2010.7
25°	1360.1	1411.5	1533.7	1375.6	1332.2
27.5°	836.5	860.1	983.9	825.8	802.2
30°	520.4	508.6	567.0	486.6	453.4
32.5°	341.4	326.4	345.1	309.7	283.0
35°	228.3	233.1	218.6	217.0	183.3
37.5°	142.5	164.0	144.7	154.3	117.9
40°	92.2	119.0	102.4	113.1	86.8
42.5°	75.6	91.6	84.1	89.5	77.2
45°	60.0	74.5	74.5	74.5	60.6
47.5°	33.2	49.8	63.8	50.9	35.4
50°	18.8	25.2	49.3	26.3	19.8
52.5°	12.9	14.5	33.8	15.0	13.4
55°	9.6	10.2	18.2	10.7	10.2
57.5°	7.5	8.0	9.6	8.0	7.5
60°	5.9	5.9	7.0	6.4	5.9
62.5°	4.3	4.3	4.8	4.3	4.3
65°	3.2	3.2	3.2	3.2	3.2
67.5°	1.6	2.1	2.1	2.1	2.1
70°	1.6	1.1	1.1	1.1	1.6
72.5°	1.1	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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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