

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: P790756

Luminaire Tested: LER6D25D010-EC6DR3020359024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790756
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-EC6DR3020359024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4438.2 lumens
Efficiency: N/A
Efficacy: 176.8 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

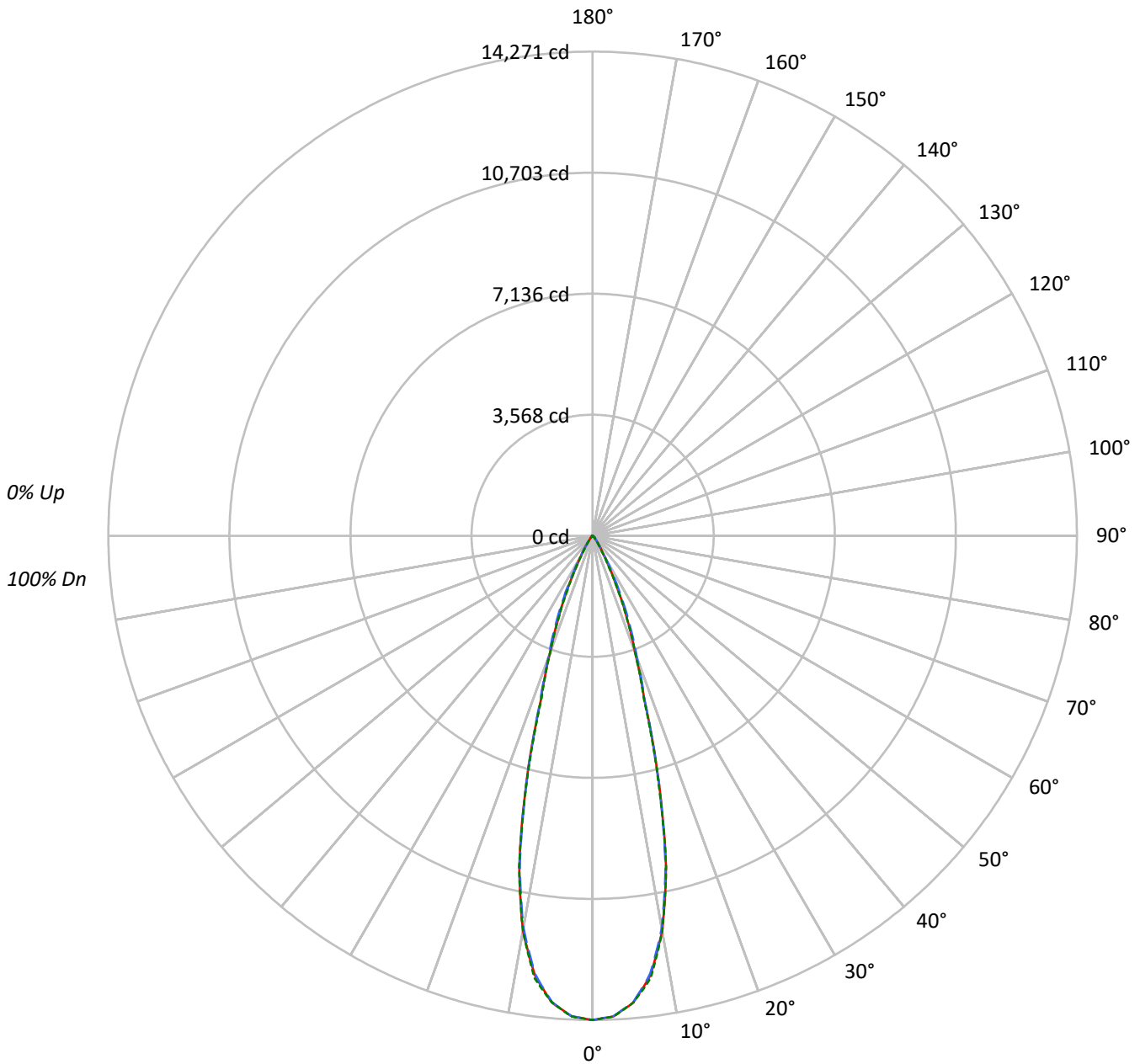


Downlight

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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	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°	1092358	1092358	1092358
5°	1061002	1059765	1061056
10°	918988	912505	918770
15°	599596	596371	593376
20°	298153	309336	297753
25°	150189	169360	147114
30°	60128	65520	52394
35°	27893	26715	22389
40°	12040	13369	11341
45°	8498	10543	8573
50°	2917	7681	3084
55°	1681	3176	1775
60°	1179	1393	1179
65°	761	761	761
70°	470	313	470
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 10543 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1254.9	28.3
10°-20°	2021.1	45.5
20°-30°	873.4	19.7
30°-40°	199.1	4.5
40°-50°	68.3	1.5
50°-60°	16.7	0.4
60°-70°	4.3	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°	4149.4	93.5
0°-40°	4348.4	98.0
0°-60°	4433.5	99.9
0°-90°	4438.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4438.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14271	14271	14271	14271	14271	
5°	13809	13795	13793	13821	13809	1256
15°	7566	7475	7526	7501	7488	2026
25°	1778	1846	2005	1799	1742	851
35°	298	305	286	284	240	202
45°	78	97	97	97	79	56
55°	13	13	24	14	13	12
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14271.1	14271.1	14271.1	14271.1	14271.1
2.5°	14176.5	14166.7	14172.3	14179.3	14182.2
5°	13808.7	13795.4	13792.6	13821.3	13809.4
7.5°	13066.7	13047.8	13019.0	13084.2	13145.2
10°	11823.7	11802.7	11740.3	11771.2	11820.9
12.5°	9988.7	9920.7	9919.3	10017.4	10004.1
15°	7566.5	7475.4	7525.8	7501.3	7488.0
17.5°	5088.2	5053.2	5120.5	5100.1	5012.6
20°	3660.3	3669.4	3797.6	3733.1	3655.4
22.5°	2670.9	2703.9	2855.9	2689.9	2628.9
25°	1778.3	1845.6	2005.3	1798.6	1741.9
27.5°	1093.7	1124.6	1286.4	1079.7	1048.9
30°	680.3	664.9	741.3	636.2	592.8
32.5°	446.3	426.7	451.2	405.0	370.0
35°	298.5	304.8	285.9	283.8	239.6
37.5°	186.4	214.4	189.2	201.8	154.1
40°	120.5	155.5	133.8	147.8	113.5
42.5°	98.8	119.8	110.0	117.0	100.9
45°	78.5	97.4	97.4	97.4	79.2
47.5°	43.4	65.2	83.4	66.6	46.2
50°	24.5	32.9	64.5	34.3	25.9
52.5°	16.8	18.9	44.1	19.6	17.5
55°	12.6	13.3	23.8	14.0	13.3
57.5°	9.8	10.5	12.6	10.5	9.8
60°	7.7	7.7	9.1	8.4	7.7
62.5°	5.6	5.6	6.3	5.6	5.6
65°	4.2	4.2	4.2	4.2	4.2
67.5°	2.1	2.8	2.8	2.8	2.8
70°	2.1	1.4	1.4	1.4	2.1
72.5°	1.4	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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