

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: P763156

Luminaire Tested: LD6D25D010-EU6DR3020359040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763156
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: LD6D25D010-EU6DR3020359040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2281.2 lumens
Efficiency: N/A
Efficacy: 90.9 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): 25.1
Input Voltage (V): NR
Input Current (Ain): 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



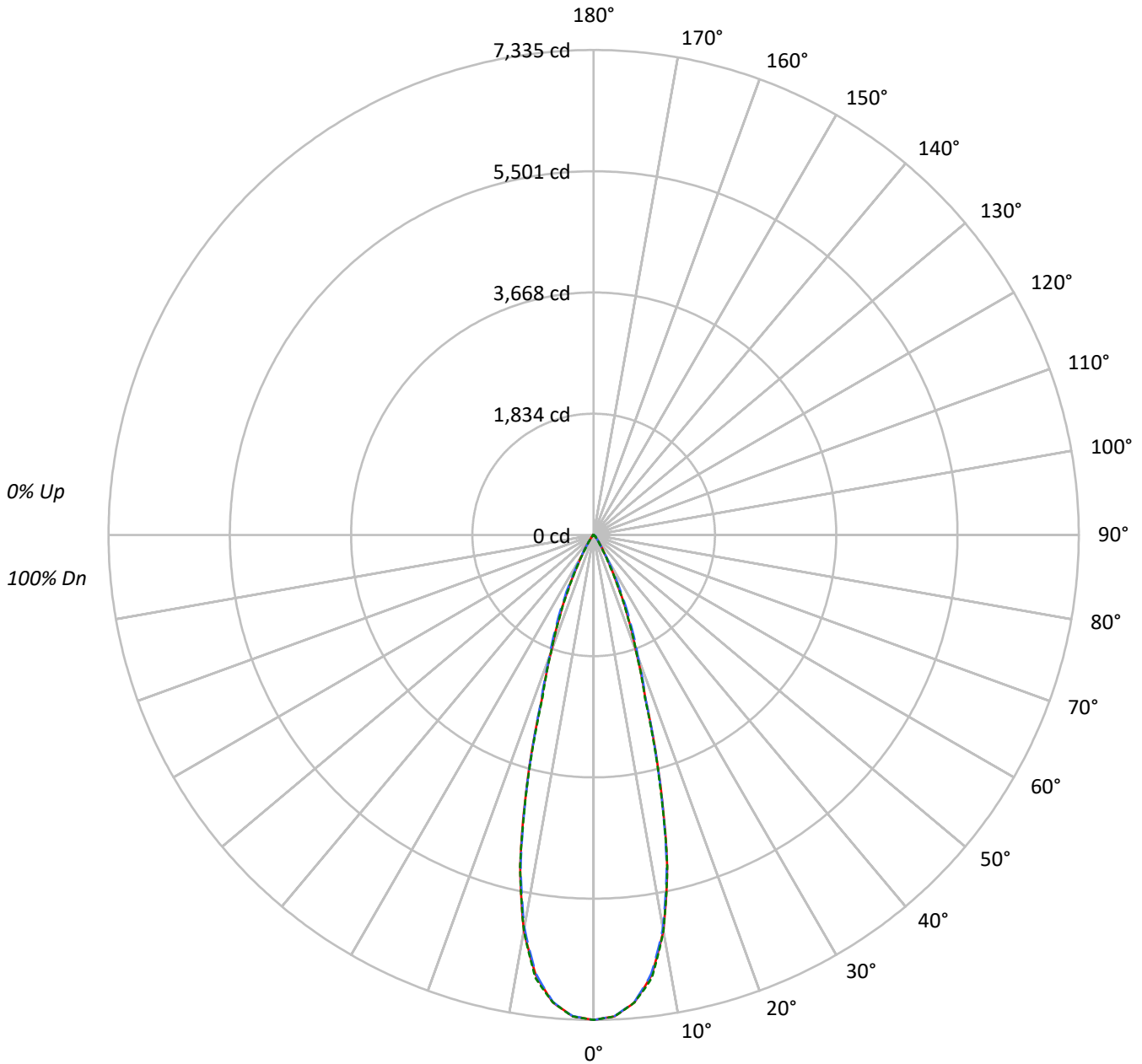
Downlight



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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°	561453	561453	561453
5°	545334	544697	545365
10°	472346	469011	472229
15°	308178	306522	304985
20°	153243	158994	153039
25°	77193	87049	75614
30°	30908	33675	26931
35°	14334	13727	11512
40°	6185	6875	5825
45°	4362	5423	4406
50°	1500	3942	1584
55°	867	1641	907
60°	612	720	612
65°	398	398	398
70°	246	157	246
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5423 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.0	28.3
10°-20°	1038.8	45.5
20°-30°	448.9	19.7
30°-40°	102.3	4.5
40°-50°	35.1	1.5
50°-60°	8.6	0.4
60°-70°	2.2	0.1
70°-80°	0.2	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°	2132.7	93.5
0°-40°	2235.0	98.0
0°-60°	2278.7	99.9
0°-90°	2281.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2281.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7335	7335	7335	7335	7335	
5°	7097	7091	7089	7104	7098	646
15°	3889	3842	3868	3856	3849	1041
25°	914	949	1031	924	895	438
35°	153	157	147	146	123	104
45°	40	50	50	50	41	29
55°	6	7	12	7	7	6
65°	2	2	2	2	2	2
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°	7335.1	7335.1	7335.1	7335.1	7335.1
2.5°	7286.4	7281.4	7284.3	7287.9	7289.3
5°	7097.4	7090.6	7089.1	7103.8	7097.8
7.5°	6716.0	6706.3	6691.5	6725.0	6756.4
10°	6077.2	6066.3	6034.3	6050.1	6075.7
12.5°	5134.0	5099.0	5098.3	5148.8	5141.9
15°	3889.0	3842.2	3868.1	3855.5	3848.7
17.5°	2615.2	2597.2	2631.8	2621.4	2576.3
20°	1881.3	1886.0	1951.9	1918.8	1878.8
22.5°	1372.8	1389.7	1467.9	1382.5	1351.2
25°	914.0	948.6	1030.7	924.5	895.3
27.5°	562.2	578.0	661.2	555.0	539.1
30°	349.7	341.8	381.0	327.0	304.7
32.5°	229.4	219.3	231.9	208.2	190.2
35°	153.4	156.6	146.9	145.9	123.2
37.5°	95.8	110.2	97.2	103.7	79.2
40°	61.9	79.9	68.8	76.0	58.3
42.5°	50.8	61.6	56.6	60.2	51.9
45°	40.3	50.1	50.1	50.1	40.7
47.5°	22.3	33.5	42.9	34.2	23.8
50°	12.6	16.9	33.1	17.6	13.3
52.5°	8.7	9.7	22.7	10.1	9.0
55°	6.5	6.8	12.3	7.2	6.8
57.5°	5.0	5.4	6.5	5.4	5.0
60°	4.0	4.0	4.7	4.3	4.0
62.5°	2.9	2.9	3.3	2.9	2.9
65°	2.2	2.2	2.2	2.2	2.2
67.5°	1.1	1.4	1.4	1.4	1.4
70°	1.1	0.7	0.7	0.7	1.1
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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