

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: P763143

Luminaire Tested: LD6D25D010-EU6DR3020359035-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763143
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-EU6DR3020359035-6LBSQW1B
Description: 6 INCH SQAURE 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: 2219.8 lumens
Efficiency: N/A
Efficacy: 88.4 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



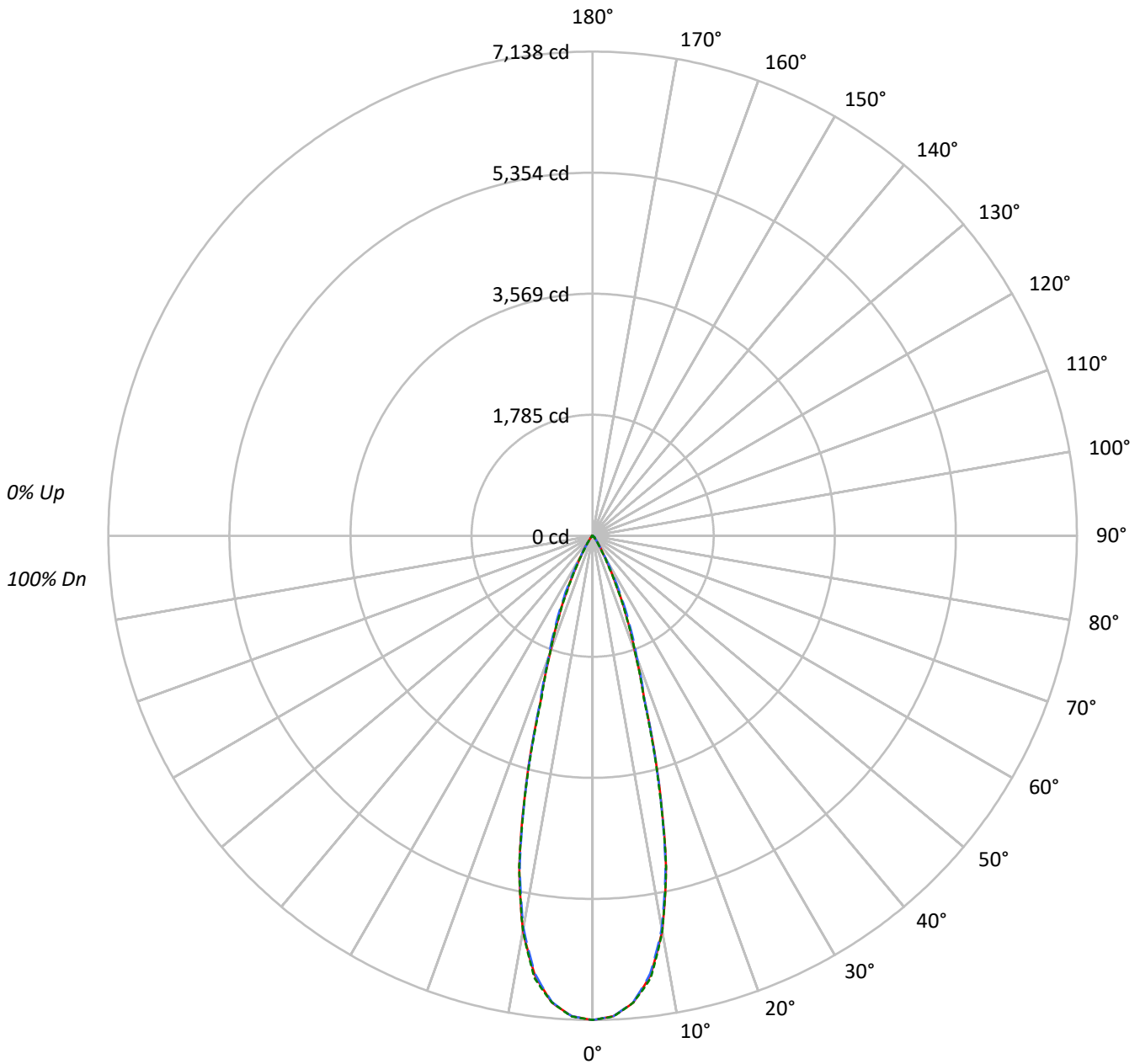
Downlight



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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	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°	546344	546344	546344
5°	530659	530044	530689
10°	459638	456389	459521
15°	299889	298281	296783
20°	149121	154717	148917
25°	75115	84710	73578
30°	30077	32773	26197
35°	13951	13362	11204
40°	6025	6685	5675
45°	4243	5272	4287
50°	1465	3846	1536
55°	841	1588	881
60°	582	704	582
65°	380	380	380
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5272 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.7	28.3
10°-20°	1010.8	45.5
20°-30°	436.8	19.7
30°-40°	99.6	4.5
40°-50°	34.2	1.5
50°-60°	8.3	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°	2075.3	93.5
0°-40°	2174.9	98.0
0°-60°	2217.4	99.9
0°-90°	2219.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7138	7138	7138	7138	7138	
5°	6906	6900	6898	6913	6907	628
15°	3784	3739	3764	3752	3745	1013
25°	889	923	1003	900	871	426
35°	149	152	143	142	120	101
45°	39	49	49	49	40	28
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°	7137.7	7137.7	7137.7	7137.7	7137.7
2.5°	7090.4	7085.5	7088.3	7091.8	7093.2
5°	6906.4	6899.8	6898.4	6912.7	6906.8
7.5°	6535.3	6525.9	6511.5	6544.1	6574.6
10°	5913.7	5903.1	5871.9	5887.4	5912.2
12.5°	4995.8	4961.9	4961.1	5010.2	5003.5
15°	3784.4	3738.8	3764.1	3751.8	3745.2
17.5°	2544.9	2527.3	2561.0	2550.8	2507.0
20°	1830.7	1835.2	1899.4	1867.1	1828.2
22.5°	1335.9	1352.3	1428.4	1345.3	1314.9
25°	889.4	923.1	1003.0	899.6	871.2
27.5°	547.1	562.5	643.4	540.0	524.6
30°	340.3	332.5	370.8	318.2	296.4
32.5°	223.2	213.4	225.7	202.5	185.0
35°	149.3	152.5	143.0	141.9	119.9
37.5°	93.2	107.3	94.6	101.0	77.1
40°	60.3	77.8	66.9	74.0	56.8
42.5°	49.4	59.9	55.0	58.5	50.5
45°	39.2	48.7	48.7	48.7	39.6
47.5°	21.7	32.6	41.7	33.3	23.1
50°	12.3	16.4	32.3	17.2	12.9
52.5°	8.4	9.5	22.1	9.8	8.8
55°	6.3	6.6	11.9	7.0	6.6
57.5°	4.9	5.3	6.3	5.3	4.9
60°	3.8	3.8	4.6	4.2	3.8
62.5°	2.8	2.8	3.2	2.8	2.8
65°	2.1	2.1	2.1	2.1	2.1
67.5°	1.0	1.4	1.4	1.4	1.4
70°	1.0	0.7	0.7	0.7	1.0
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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