

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: P771873

Luminaire Tested: LD6D80BD010-EU6DR3070959035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771873
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: LD6D80BD010-EU6DR3070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10014.8 lumens
Efficiency: N/A
Efficacy: 126.9 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): 78.9
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

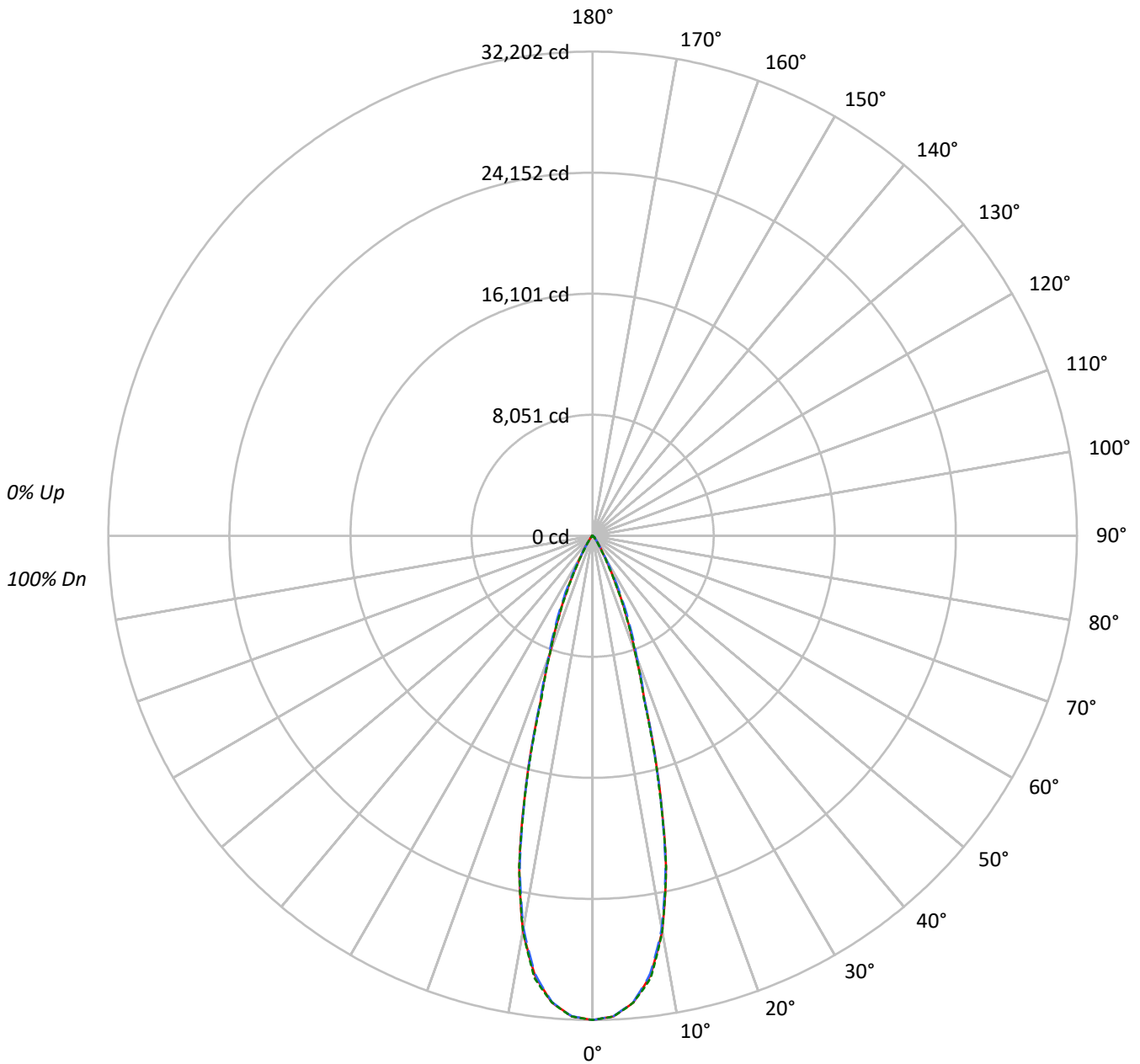


Downlight

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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																			
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°	2464889	2464889	2464889
5°	2394126	2391329	2394249
10°	2073674	2059054	2073184
15°	1352973	1345706	1338939
20°	672768	698011	671864
25°	338898	382156	331947
30°	135688	147841	118223
35°	62933	60280	50524
40°	27168	30176	25590
45°	19171	23793	19344
50°	6585	17326	6966
55°	3803	7180	4003
60°	2664	3154	2664
65°	1721	1721	1721
70°	1052	716	1052
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 23793 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2831.7	28.3
10°-20°	4560.5	45.5
20°-30°	1970.7	19.7
30°-40°	449.2	4.5
40°-50°	154.2	1.5
50°-60°	37.7	0.4
60°-70°	9.8	0.1
70°-80°	1.0	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°	9363.0	93.5
0°-40°	9812.1	98.0
0°-60°	10004.0	99.9
0°-90°	10014.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10014.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32202	32202	32202	32202	32202	
5°	31159	31129	31123	31188	31161	2834
15°	17074	16868	16982	16926	16896	4572
25°	4013	4164	4525	4058	3930	1921
35°	674	688	645	640	541	457
45°	177	220	220	220	179	126
55°	28	30	54	32	30	28
65°	10	10	10	10	10	9
75°	0	0	2	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°	32202.5	32202.5	32202.5	32202.5	32202.5
2.5°	31989.0	31966.9	31979.6	31995.4	32001.7
5°	31159.0	31129.0	31122.6	31187.5	31160.6
7.5°	29484.7	29442.0	29377.2	29524.2	29661.8
10°	26679.9	26632.5	26491.8	26561.4	26673.6
12.5°	22539.2	22385.8	22382.7	22604.0	22574.0
15°	17073.6	16868.0	16981.9	16926.5	16896.5
17.5°	11481.5	11402.4	11554.2	11508.3	11310.7
20°	8259.3	8279.9	8569.2	8423.7	8248.2
22.5°	6026.9	6101.2	6444.3	6069.6	5932.0
25°	4012.7	4164.4	4524.9	4058.5	3930.4
27.5°	2468.0	2537.6	2902.8	2436.4	2366.8
30°	1535.2	1500.4	1672.7	1435.6	1337.6
32.5°	1007.1	962.8	1018.2	913.8	834.8
35°	673.5	687.7	645.1	640.3	540.7
37.5°	420.6	483.8	426.9	455.3	347.8
40°	271.9	351.0	302.0	333.6	256.1
42.5°	222.9	270.4	248.2	264.0	227.7
45°	177.1	219.8	219.8	219.8	178.7
47.5°	98.0	147.0	188.1	150.2	104.3
50°	55.3	74.3	145.5	77.5	58.5
52.5°	37.9	42.7	99.6	44.3	39.5
55°	28.5	30.0	53.8	31.6	30.0
57.5°	22.1	23.7	28.5	23.7	22.1
60°	17.4	17.4	20.6	19.0	17.4
62.5°	12.6	12.6	14.2	12.6	12.6
65°	9.5	9.5	9.5	9.5	9.5
67.5°	4.7	6.3	6.3	6.3	6.3
70°	4.7	3.2	3.2	3.2	4.7
72.5°	3.2	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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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