

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: P772656

Luminaire Tested: LD6D85BD010-EU6DR3070959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772656
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: LD6D85BD010-EU6DR3070959035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 10688.2 lumens
Efficiency: N/A
Efficacy: 121.9 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): 87.7
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

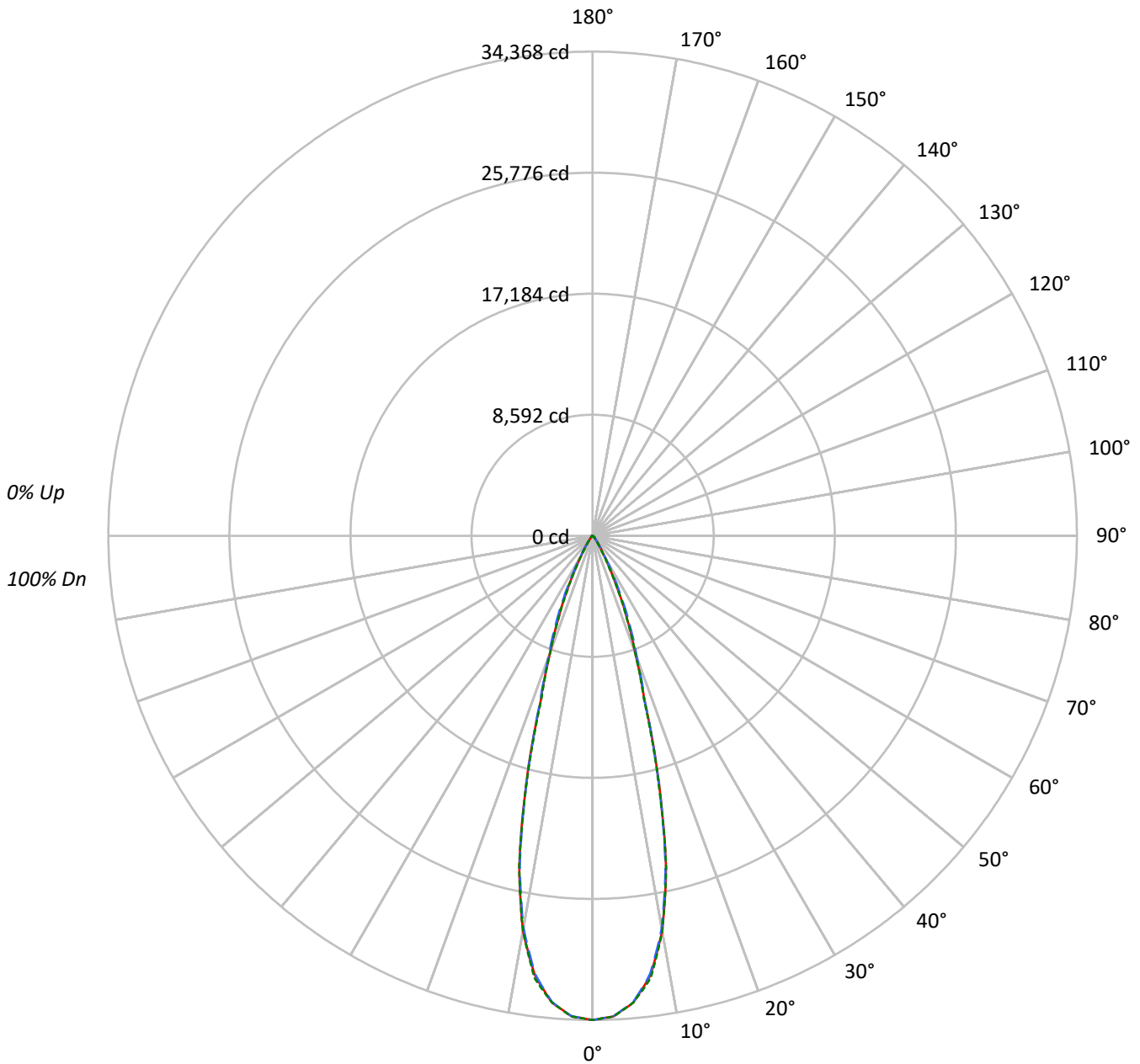


Downlight

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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°	2630628	2630628	2630628
5°	2555105	2552123	2555235
10°	2213111	2197504	2212590
15°	1443944	1436186	1428967
20°	718008	744946	717047
25°	361684	407856	354269
30°	144809	157784	126169
35°	67166	64326	53926
40°	28997	32204	27308
45°	20459	25384	20643
50°	7038	18481	7431
55°	4057	7660	4284
60°	2847	3353	2847
65°	1829	1829	1829
70°	1141	761	1141
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3022.1	28.3
10°-20°	4867.2	45.5
20°-30°	2103.2	19.7
30°-40°	479.4	4.5
40°-50°	164.6	1.5
50°-60°	40.2	0.4
60°-70°	10.4	0.1
70°-80°	1.1	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°	9992.5	93.5
0°-40°	10471.9	98.0
0°-60°	10676.7	99.9
0°-90°	10688.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10688.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34368	34368	34368	34368	34368	
5°	33254	33222	33215	33284	33256	3025
15°	18222	18002	18124	18065	18033	4879
25°	4282	4444	4829	4331	4195	2050
35°	719	734	688	683	577	488
45°	189	234	234	234	191	134
55°	30	32	57	34	32	30
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
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°	34367.8	34367.8	34367.8	34367.8	34367.8
2.5°	34140.0	34116.4	34129.9	34146.7	34153.5
5°	33254.1	33222.1	33215.3	33284.5	33255.8
7.5°	31467.2	31421.7	31352.5	31509.4	31656.2
10°	28473.9	28423.3	28273.1	28347.4	28467.2
12.5°	24054.8	23891.1	23887.7	24123.9	24091.9
15°	18221.6	18002.3	18123.7	18064.7	18032.6
17.5°	12253.5	12169.1	12331.1	12282.2	12071.2
20°	8814.7	8836.6	9145.4	8990.2	8802.9
22.5°	6432.1	6511.5	6877.6	6477.7	6330.9
25°	4282.5	4444.5	4829.2	4331.4	4194.7
27.5°	2633.9	2708.2	3098.0	2600.2	2526.0
30°	1638.4	1601.3	1785.2	1532.1	1427.5
32.5°	1074.8	1027.6	1086.6	975.3	890.9
35°	718.8	734.0	688.4	683.4	577.1
37.5°	448.8	516.3	455.6	486.0	371.2
40°	290.2	374.6	322.3	356.0	273.3
42.5°	237.9	288.5	264.9	281.8	243.0
45°	189.0	234.5	234.5	234.5	190.7
47.5°	104.6	156.9	200.8	160.3	111.4
50°	59.1	79.3	155.2	82.7	62.4
52.5°	40.5	45.6	106.3	47.2	42.2
55°	30.4	32.1	57.4	33.7	32.1
57.5°	23.6	25.3	30.4	25.3	23.6
60°	18.6	18.6	21.9	20.2	18.6
62.5°	13.5	13.5	15.2	13.5	13.5
65°	10.1	10.1	10.1	10.1	10.1
67.5°	5.1	6.7	6.7	6.7	6.7
70°	5.1	3.4	3.4	3.4	5.1
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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