

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: P771122

Luminaire Tested: LD6D75BD010-EU6DR3070959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771122
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: LD6D75BD010-EU6DR3070959050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9342.4 lumens
Efficiency: N/A
Efficacy: 129.0 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): 72.4
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

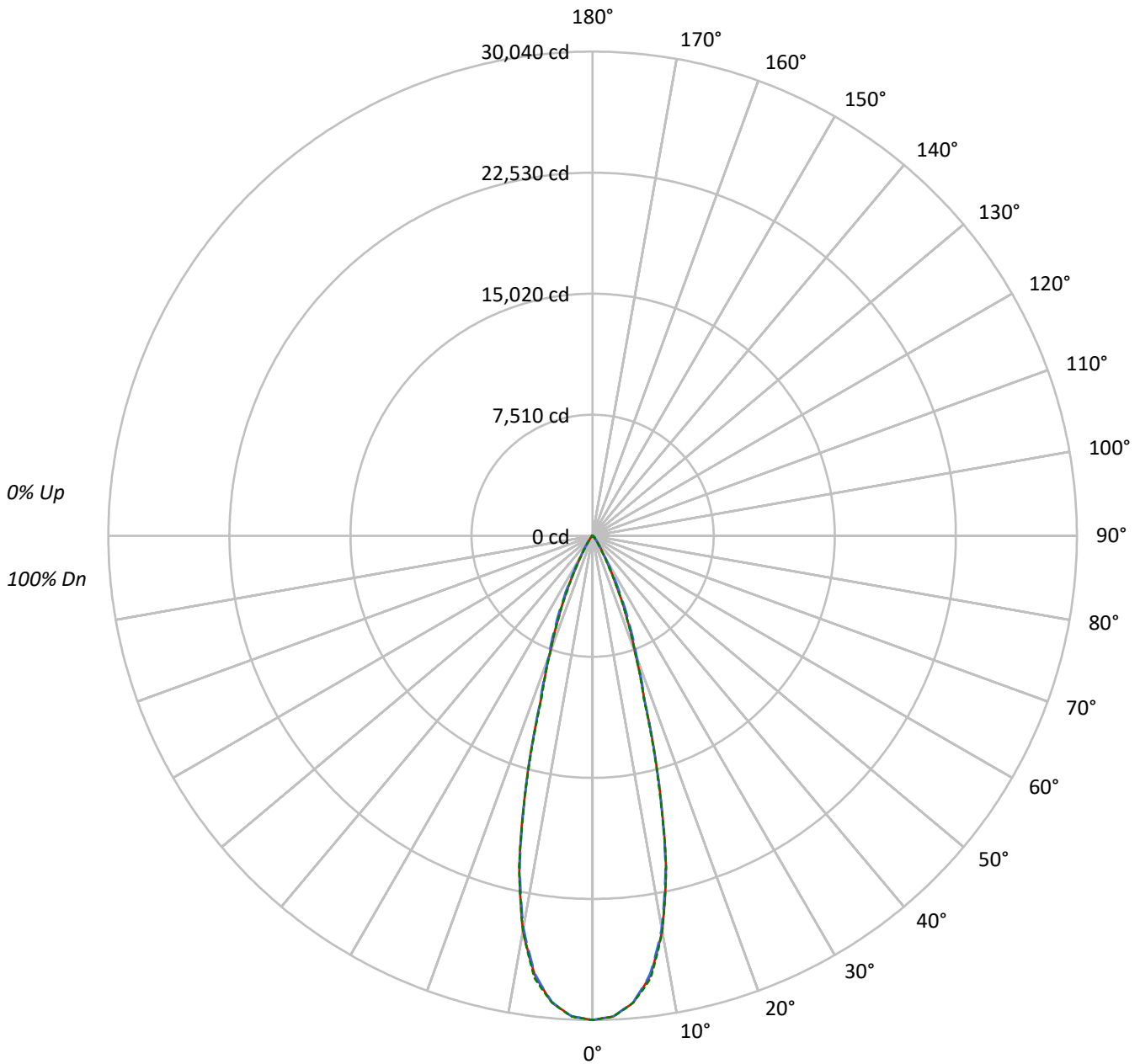


Downlight

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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°	2299402	2299402	2299402
5°	2233393	2230781	2233501
10°	1934454	1920814	1933996
15°	1262136	1255361	1249045
20°	627600	651149	626762
25°	316145	356498	309667
30°	126576	137915	110286
35°	58710	56234	47132
40°	25350	28148	23871
45°	17883	22191	18045
50°	6145	16159	6502
55°	3536	6686	3737
60°	2480	2939	2480
65°	1594	1594	1594
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2641.6	28.3
10°-20°	4254.3	45.5
20°-30°	1838.4	19.7
30°-40°	419.0	4.5
40°-50°	143.9	1.5
50°-60°	35.1	0.4
60°-70°	9.1	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°	8734.3	93.5
0°-40°	9153.4	98.0
0°-60°	9332.4	99.9
0°-90°	9342.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9342.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30040	30040	30040	30040	30040	
5°	29067	29039	29033	29094	29068	2644
15°	15927	15736	15842	15790	15762	4265
25°	3743	3885	4221	3786	3667	1792
35°	628	642	602	597	504	426
45°	165	205	205	205	167	117
55°	26	28	50	30	28	26
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
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°	30040.5	30040.5	30040.5	30040.5	30040.5
2.5°	29841.4	29820.7	29832.5	29847.3	29853.2
5°	29067.1	29039.0	29033.1	29093.6	29068.5
7.5°	27505.2	27465.3	27404.9	27542.0	27670.3
10°	24888.7	24844.5	24713.2	24778.1	24882.8
12.5°	21026.0	20882.9	20880.0	21086.4	21058.4
15°	15927.3	15735.6	15841.8	15790.1	15762.1
17.5°	10710.6	10636.9	10778.5	10735.7	10551.3
20°	7704.8	7724.0	7993.9	7858.2	7694.5
22.5°	5622.3	5691.6	6011.6	5662.1	5533.8
25°	3743.3	3884.9	4221.1	3786.0	3666.6
27.5°	2302.3	2367.2	2707.9	2272.8	2207.9
30°	1432.1	1399.7	1560.4	1339.2	1247.8
32.5°	939.5	898.2	949.8	852.5	778.7
35°	628.3	641.6	601.8	597.3	504.4
37.5°	392.3	451.3	398.2	424.8	324.5
40°	253.7	327.4	281.7	311.2	238.9
42.5°	208.0	252.2	231.6	246.3	212.4
45°	165.2	205.0	205.0	205.0	166.7
47.5°	91.4	137.2	175.5	140.1	97.3
50°	51.6	69.3	135.7	72.3	54.6
52.5°	35.4	39.8	92.9	41.3	36.9
55°	26.5	28.0	50.1	29.5	28.0
57.5°	20.6	22.1	26.5	22.1	20.6
60°	16.2	16.2	19.2	17.7	16.2
62.5°	11.8	11.8	13.3	11.8	11.8
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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(END OF REPORT)