

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: P771084

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771084
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-EU6DR3070959030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9208.0 lumens
Efficiency: N/A
Efficacy: 127.2 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

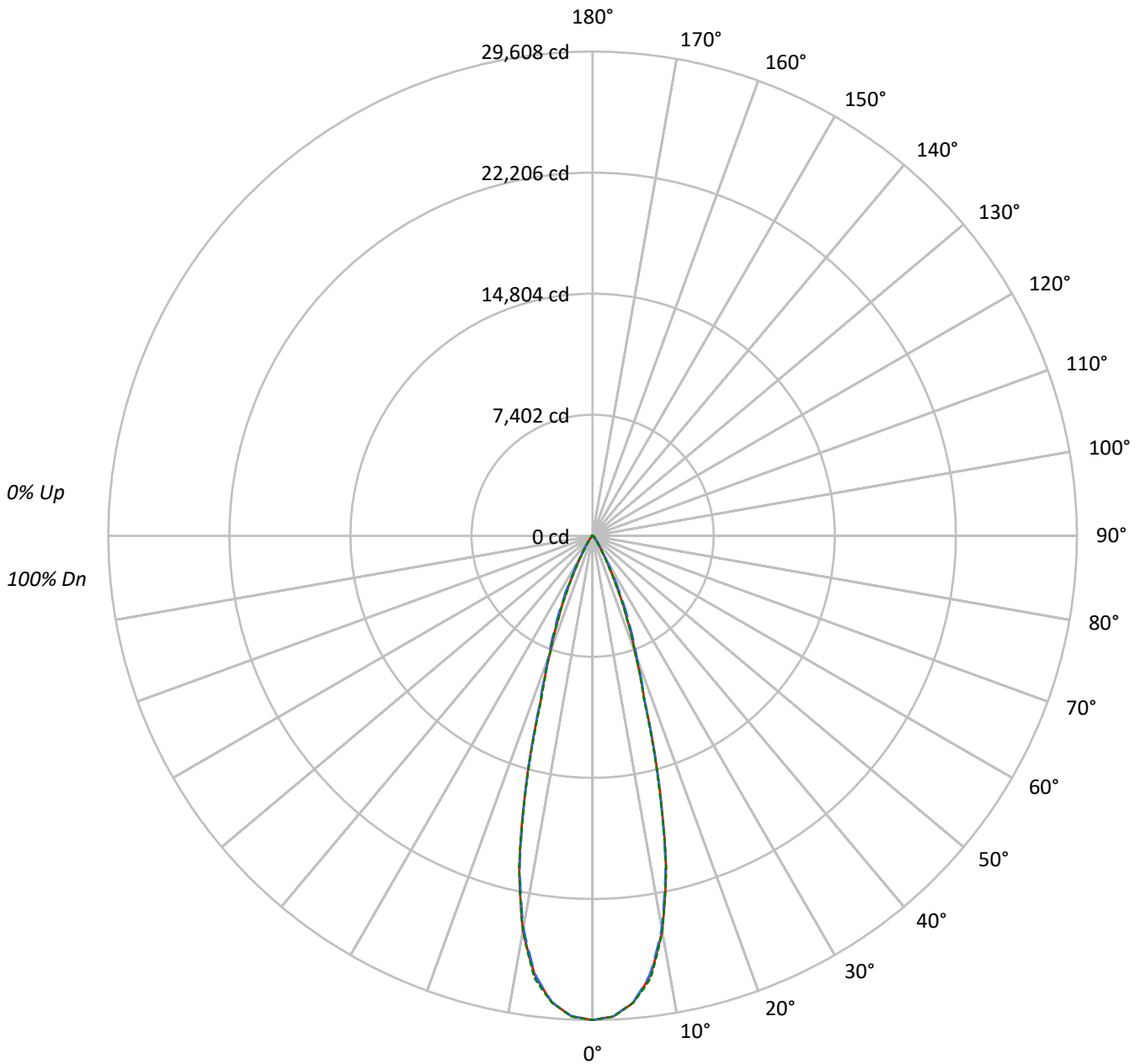


Downlight

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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°	2266305	2266305	2266305
5°	2201245	2198679	2201360
10°	1906614	1893167	1906163
15°	1243973	1237285	1231064
20°	618567	641774	617736
25°	311593	351372	305208
30°	124755	135936	108696
35°	57869	55421	46459
40°	24980	27738	23531
45°	17623	21877	17785
50°	6061	15921	6407
55°	3496	6592	3683
60°	2449	2893	2449
65°	1576	1576	1576
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: 21877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2603.6	28.3
10°-20°	4193.1	45.5
20°-30°	1811.9	19.7
30°-40°	413.0	4.5
40°-50°	141.8	1.5
50°-60°	34.6	0.4
60°-70°	9.0	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°	8608.6	93.5
0°-40°	9021.6	98.0
0°-60°	9198.1	99.9
0°-90°	9208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29608	29608	29608	29608	29608	
5°	28649	28621	28615	28675	28650	2606
15°	15698	15509	15614	15563	15535	4203
25°	3689	3829	4160	3732	3614	1766
35°	619	632	593	589	497	420
45°	163	202	202	202	164	116
55°	26	28	49	29	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°	29608.1	29608.1	29608.1	29608.1	29608.1
2.5°	29411.9	29391.5	29403.1	29417.7	29423.5
5°	28648.7	28621.1	28615.3	28674.9	28650.2
7.5°	27109.3	27070.0	27010.4	27145.6	27272.1
10°	24530.5	24486.9	24357.5	24421.5	24524.7
12.5°	20723.4	20582.3	20579.4	20783.0	20755.3
15°	15698.1	15509.1	15613.7	15562.9	15535.2
17.5°	10556.5	10483.8	10623.3	10581.2	10399.5
20°	7593.9	7612.8	7878.8	7745.1	7583.7
22.5°	5541.3	5609.7	5925.1	5580.6	5454.1
25°	3689.4	3828.9	4160.4	3731.5	3613.8
27.5°	2269.2	2333.1	2668.9	2240.1	2176.1
30°	1411.5	1379.5	1538.0	1319.9	1229.8
32.5°	926.0	885.3	936.2	840.2	767.5
35°	619.3	632.3	593.1	588.7	497.2
37.5°	386.7	444.8	392.5	418.7	319.8
40°	250.0	322.7	277.6	306.7	235.5
42.5°	205.0	248.6	228.2	242.8	209.3
45°	162.8	202.1	202.1	202.1	164.3
47.5°	90.1	135.2	173.0	138.1	95.9
50°	50.9	68.3	133.7	71.2	53.8
52.5°	34.9	39.2	91.6	40.7	36.3
55°	26.2	27.6	49.4	29.1	27.6
57.5°	20.4	21.8	26.2	21.8	20.4
60°	16.0	16.0	18.9	17.4	16.0
62.5°	11.6	11.6	13.1	11.6	11.6
65°	8.7	8.7	8.7	8.7	8.7
67.5°	4.4	5.8	5.8	5.8	5.8
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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