

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: P773408

Luminaire Tested: LD6D90BD010-EU6DR3070959027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773408
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: LD6D90BD010-EU6DR3070959027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9229.9 lumens
Efficiency: N/A
Efficacy: 93.3 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): 98.9
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

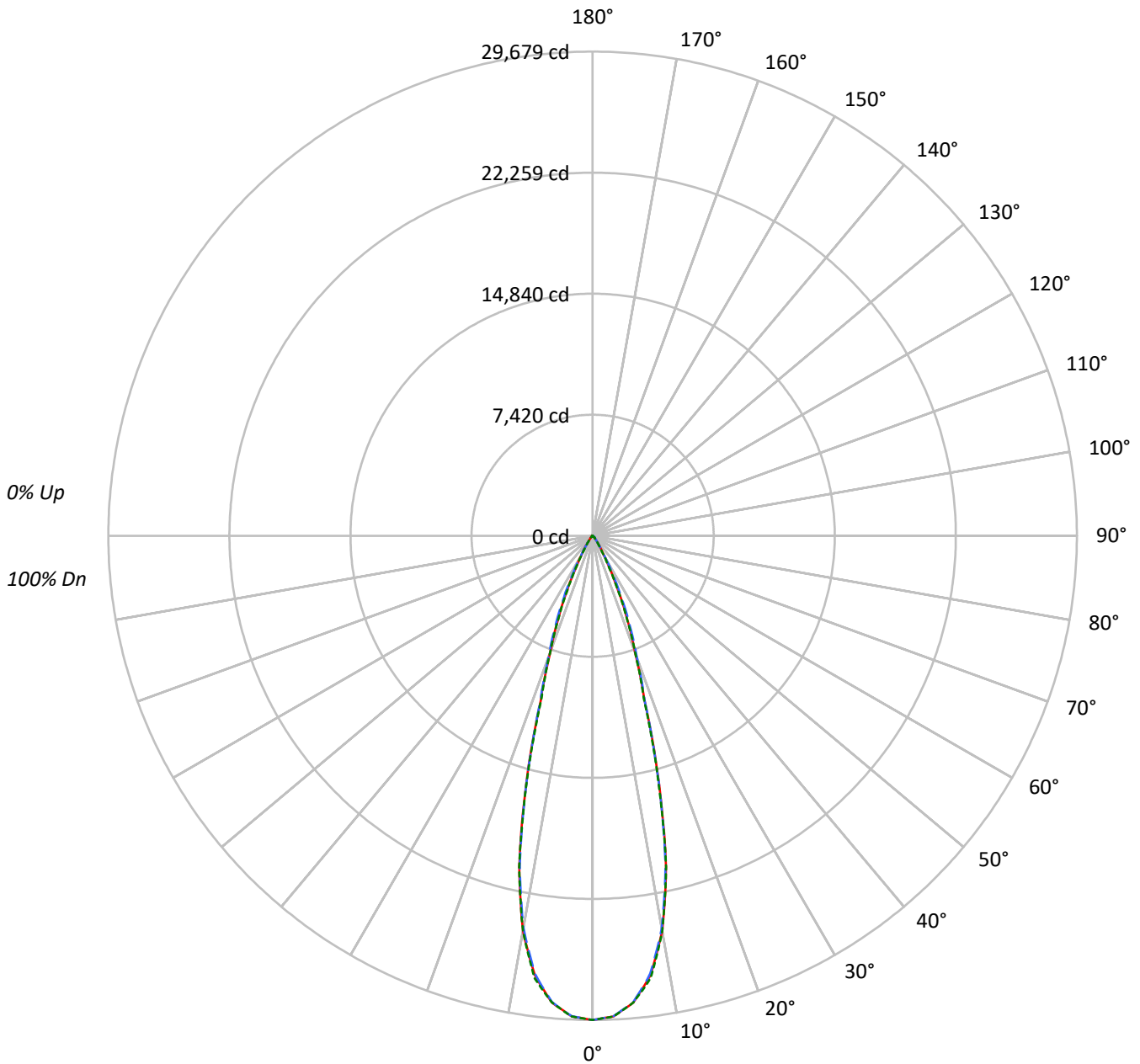


Downlight

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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	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°	2271716	2271716	2271716
5°	2206501	2203919	2206608
10°	1911160	1897683	1910710
15°	1246937	1240241	1234004
20°	620041	643305	619211
25°	312336	352208	305934
30°	125056	136254	108952
35°	58000	55551	46562
40°	25040	27808	23591
45°	17666	21920	17829
50°	6073	15969	6418
55°	3496	6606	3697
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: 21920 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2609.8	28.3
10°-20°	4203.1	45.5
20°-30°	1816.3	19.7
30°-40°	414.0	4.5
40°-50°	142.1	1.5
50°-60°	34.7	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°	8629.2	93.5
0°-40°	9043.1	98.0
0°-60°	9220.0	99.9
0°-90°	9229.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9229.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29679	29679	29679	29679	29679	
5°	28717	28689	28684	28743	28718	2612
15°	15736	15546	15651	15600	15572	4213
25°	3698	3838	4170	3740	3622	1770
35°	621	634	594	590	498	421
45°	163	202	202	202	165	116
55°	26	28	50	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°	29678.8	29678.8	29678.8	29678.8	29678.8
2.5°	29482.1	29461.7	29473.3	29487.9	29493.7
5°	28717.1	28689.4	28683.5	28743.3	28718.5
7.5°	27174.0	27134.6	27074.9	27210.4	27337.2
10°	24589.0	24545.3	24415.6	24479.7	24583.2
12.5°	20772.8	20631.5	20628.5	20832.5	20804.9
15°	15735.5	15546.1	15651.0	15600.0	15572.3
17.5°	10581.7	10508.8	10648.7	10606.4	10424.3
20°	7612.0	7631.0	7897.6	7763.6	7601.8
22.5°	5554.6	5623.1	5939.3	5593.9	5467.1
25°	3698.2	3838.1	4170.3	3740.4	3622.4
27.5°	2274.6	2338.7	2675.3	2245.4	2181.3
30°	1414.9	1382.8	1541.6	1323.1	1232.7
32.5°	928.2	887.4	938.4	842.2	769.4
35°	620.7	633.9	594.5	590.1	498.3
37.5°	387.6	445.9	393.4	419.7	320.6
40°	250.6	323.5	278.3	307.5	236.1
42.5°	205.5	249.2	228.8	243.3	209.8
45°	163.2	202.5	202.5	202.5	164.7
47.5°	90.3	135.5	173.4	138.4	96.2
50°	51.0	68.5	134.1	71.4	53.9
52.5°	35.0	39.3	91.8	40.8	36.4
55°	26.2	27.7	49.5	29.1	27.7
57.5°	20.4	21.9	26.2	21.9	20.4
60°	16.0	16.0	18.9	17.5	16.0
62.5°	11.7	11.7	13.1	11.7	11.7
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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