

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: P773398

Luminaire Tested: LD6D90BD010-EU6DR3070959024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773398
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-EU6DR3070959024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10095.5 lumens
Efficiency: N/A
Efficacy: 102.1 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

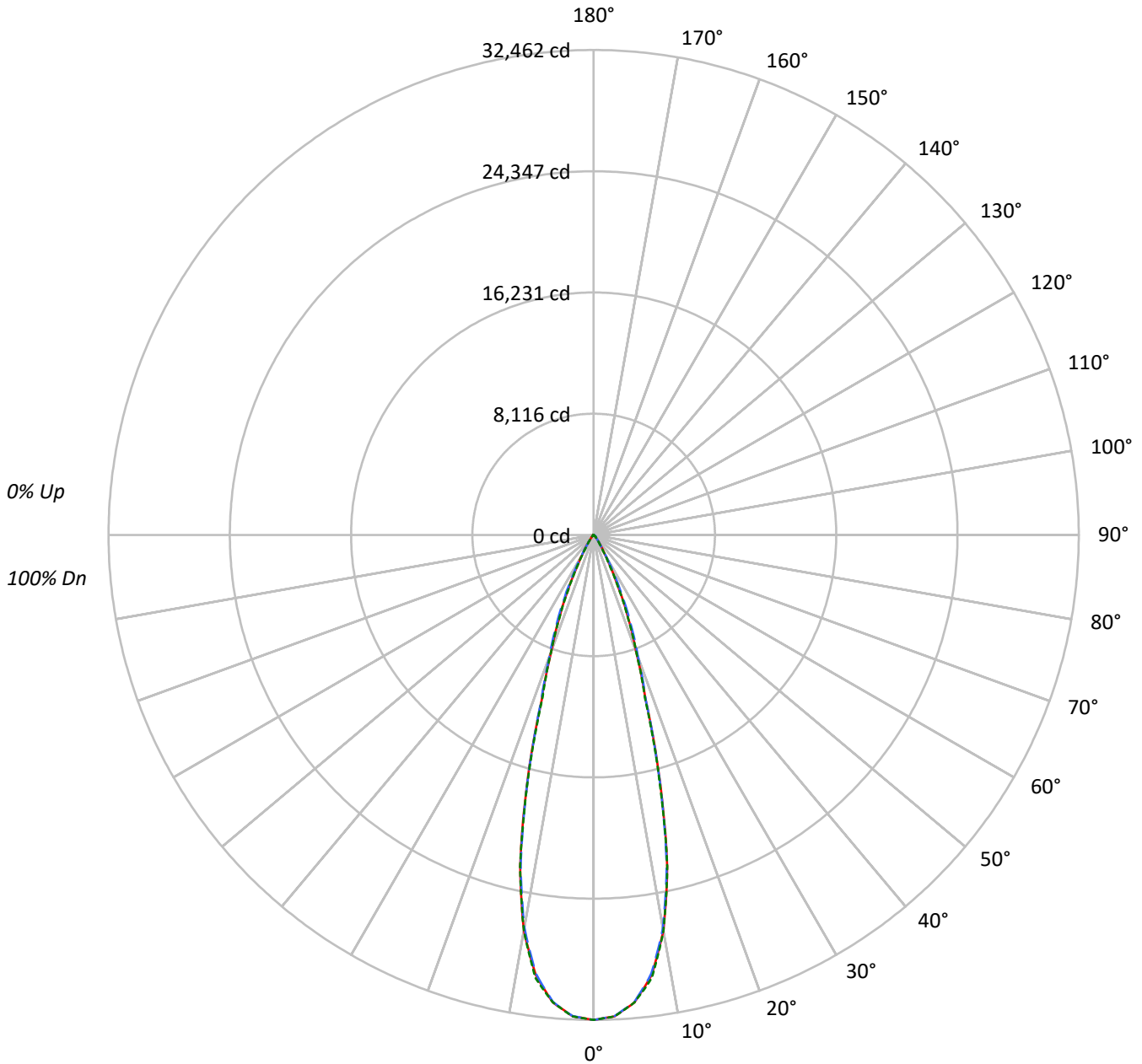


Downlight

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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	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°	2484744	2484744	2484744
5°	2413412	2410592	2413535
10°	2090377	2075640	2089887
15°	1363869	1356547	1349724
20°	678185	703631	677280
25°	341626	385239	334624
30°	136775	149034	119169
35°	63438	60765	50935
40°	27388	30416	25799
45°	19322	23977	19496
50°	6645	17457	7026
55°	3830	7233	4044
60°	2679	3169	2679
65°	1739	1739	1739
70°	1074	716	1074
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 23977 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2854.5	28.3
10°-20°	4597.3	45.5
20°-30°	1986.6	19.7
30°-40°	452.8	4.5
40°-50°	155.5	1.5
50°-60°	38.0	0.4
60°-70°	9.9	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°	9438.4	93.5
0°-40°	9891.2	98.0
0°-60°	10084.6	99.9
0°-90°	10095.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10095.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32462	32462	32462	32462	32462	
5°	31410	31380	31373	31439	31412	2857
15°	17211	17004	17119	17063	17033	4608
25°	4045	4198	4561	4091	3962	1936
35°	679	693	650	646	545	460
45°	178	222	222	222	180	127
55°	29	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	32461.9	32461.9	32461.9	32461.9	32461.9
2.5°	32246.7	32224.4	32237.2	32253.1	32259.5
5°	31410.0	31379.7	31373.3	31438.7	31411.6
7.5°	29722.2	29679.2	29613.8	29762.0	29900.7
10°	26894.8	26847.0	26705.2	26775.3	26888.5
12.5°	22720.8	22566.2	22563.0	22786.1	22755.8
15°	17211.1	17003.9	17118.7	17062.9	17032.6
17.5°	11573.9	11494.3	11647.3	11601.0	11401.8
20°	8325.8	8346.6	8638.2	8491.6	8314.7
22.5°	6075.4	6150.4	6496.2	6118.5	5979.8
25°	4045.0	4198.0	4561.4	4091.2	3962.1
27.5°	2487.9	2558.0	2926.2	2456.0	2385.9
30°	1547.5	1512.5	1686.2	1447.1	1348.3
32.5°	1015.2	970.6	1026.4	921.2	841.5
35°	678.9	693.3	650.3	645.5	545.1
37.5°	423.9	487.7	430.3	459.0	350.6
40°	274.1	353.8	304.4	336.3	258.2
42.5°	224.7	272.5	250.2	266.2	229.5
45°	178.5	221.5	221.5	221.5	180.1
47.5°	98.8	148.2	189.7	151.4	105.2
50°	55.8	74.9	146.6	78.1	59.0
52.5°	38.3	43.0	100.4	44.6	39.8
55°	28.7	30.3	54.2	31.9	30.3
57.5°	22.3	23.9	28.7	23.9	22.3
60°	17.5	17.5	20.7	19.1	17.5
62.5°	12.8	12.8	14.3	12.8	12.8
65°	9.6	9.6	9.6	9.6	9.6
67.5°	4.8	6.4	6.4	6.4	6.4
70°	4.8	3.2	3.2	3.2	4.8
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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