

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: P773422

Luminaire Tested: LD6D90BD010-EU6DR3070959030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773422
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-EU6DR3070959030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10520.2 lumens
Efficiency: N/A
Efficacy: 106.4 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

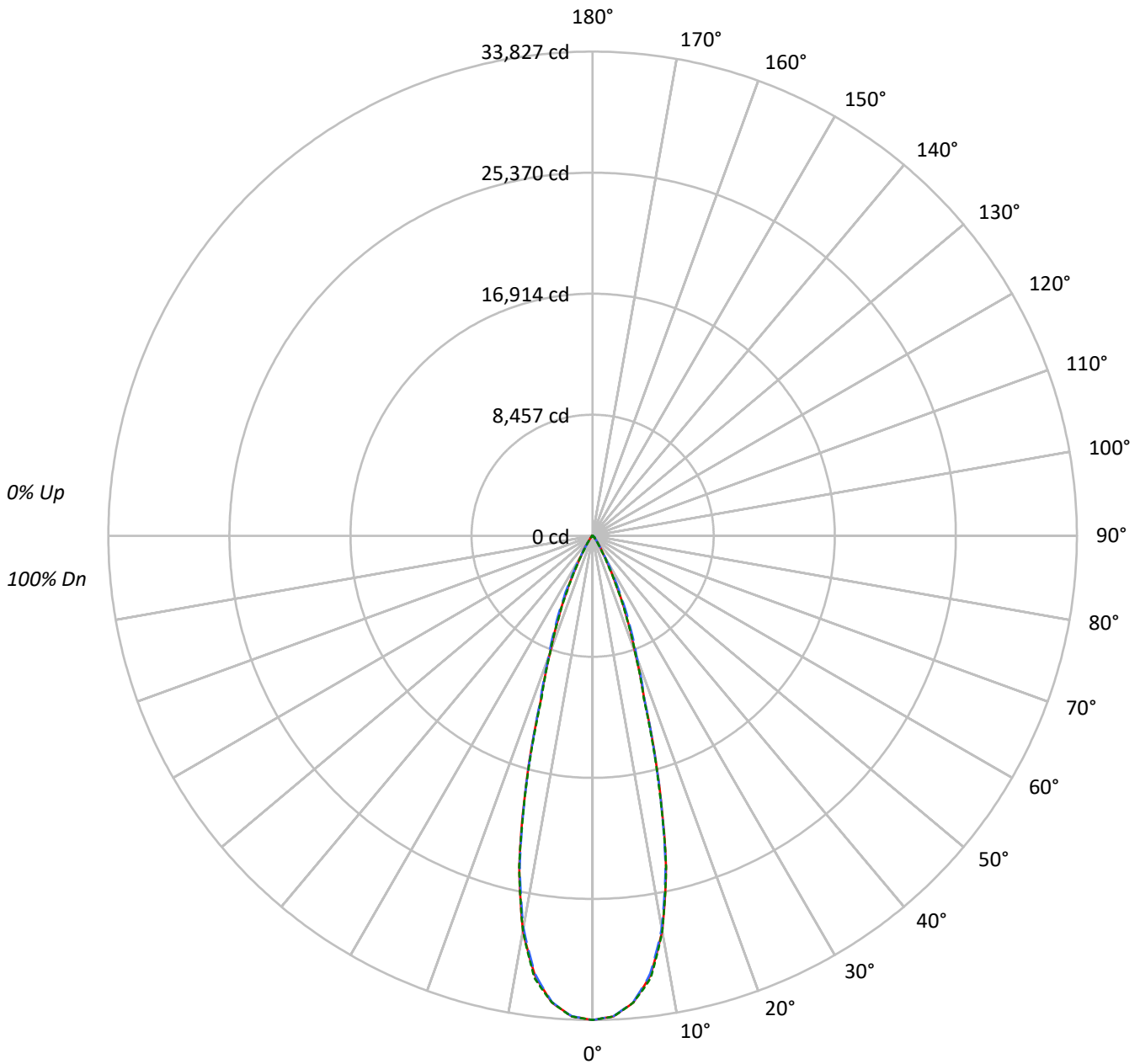


Downlight

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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°	2589256	2589256	2589256
5°	2514927	2511992	2515058
10°	2178306	2162948	2177793
15°	1421241	1413602	1406502
20°	706718	733232	705765
25°	355992	401438	348703
30°	142529	155301	124181
35°	66110	63316	53075
40°	28547	31695	26889
45°	20134	24995	20318
50°	6919	18195	7312
55°	3990	7540	4217
60°	2801	3307	2801
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 24995 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2974.6	28.3
10°-20°	4790.6	45.5
20°-30°	2070.2	19.7
30°-40°	471.8	4.5
40°-50°	162.0	1.5
50°-60°	39.6	0.4
60°-70°	10.3	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°	9835.4	93.5
0°-40°	10307.2	98.0
0°-60°	10508.8	99.9
0°-90°	10520.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10520.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33827	33827	33827	33827	33827	
5°	32731	32700	32693	32761	32733	2977
15°	17935	17719	17839	17781	17749	4802
25°	4215	4375	4753	4263	4129	2018
35°	708	722	678	673	568	480
45°	186	231	231	231	188	132
55°	30	32	56	33	32	29
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°	33827.3	33827.3	33827.3	33827.3	33827.3
2.5°	33603.1	33579.9	33593.2	33609.8	33616.4
5°	32731.2	32699.6	32693.0	32761.1	32732.9
7.5°	30972.4	30927.6	30859.5	31013.9	31158.4
10°	28026.1	27976.3	27828.5	27901.6	28019.5
12.5°	23676.5	23515.4	23512.1	23744.6	23713.0
15°	17935.1	17719.2	17838.7	17780.6	17749.1
17.5°	12060.8	11977.7	12137.2	12089.0	11881.4
20°	8676.1	8697.6	9001.6	8848.8	8664.4
22.5°	6331.0	6409.1	6769.5	6375.8	6231.4
25°	4215.1	4374.6	4753.2	4263.3	4128.8
27.5°	2592.5	2665.6	3049.2	2559.3	2486.2
30°	1612.6	1576.1	1757.1	1508.0	1405.0
32.5°	1057.9	1011.4	1069.6	959.9	876.9
35°	707.5	722.5	677.6	672.6	568.0
37.5°	441.8	508.2	448.4	478.3	365.4
40°	285.7	368.7	317.2	350.4	269.1
42.5°	234.2	284.0	260.7	277.4	239.2
45°	186.0	230.9	230.9	230.9	187.7
47.5°	103.0	154.5	197.6	157.8	109.6
50°	58.1	78.1	152.8	81.4	61.4
52.5°	39.9	44.8	104.6	46.5	41.5
55°	29.9	31.6	56.5	33.2	31.6
57.5°	23.3	24.9	29.9	24.9	23.3
60°	18.3	18.3	21.6	19.9	18.3
62.5°	13.3	13.3	14.9	13.3	13.3
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.6	6.6	6.6	6.6
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	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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