

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: P773394

Luminaire Tested: LD6D90BD010-EU6DR3070959024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773394
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-EU6DR3070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 9590.7 lumens
Efficiency: N/A
Efficacy: 97.0 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): 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

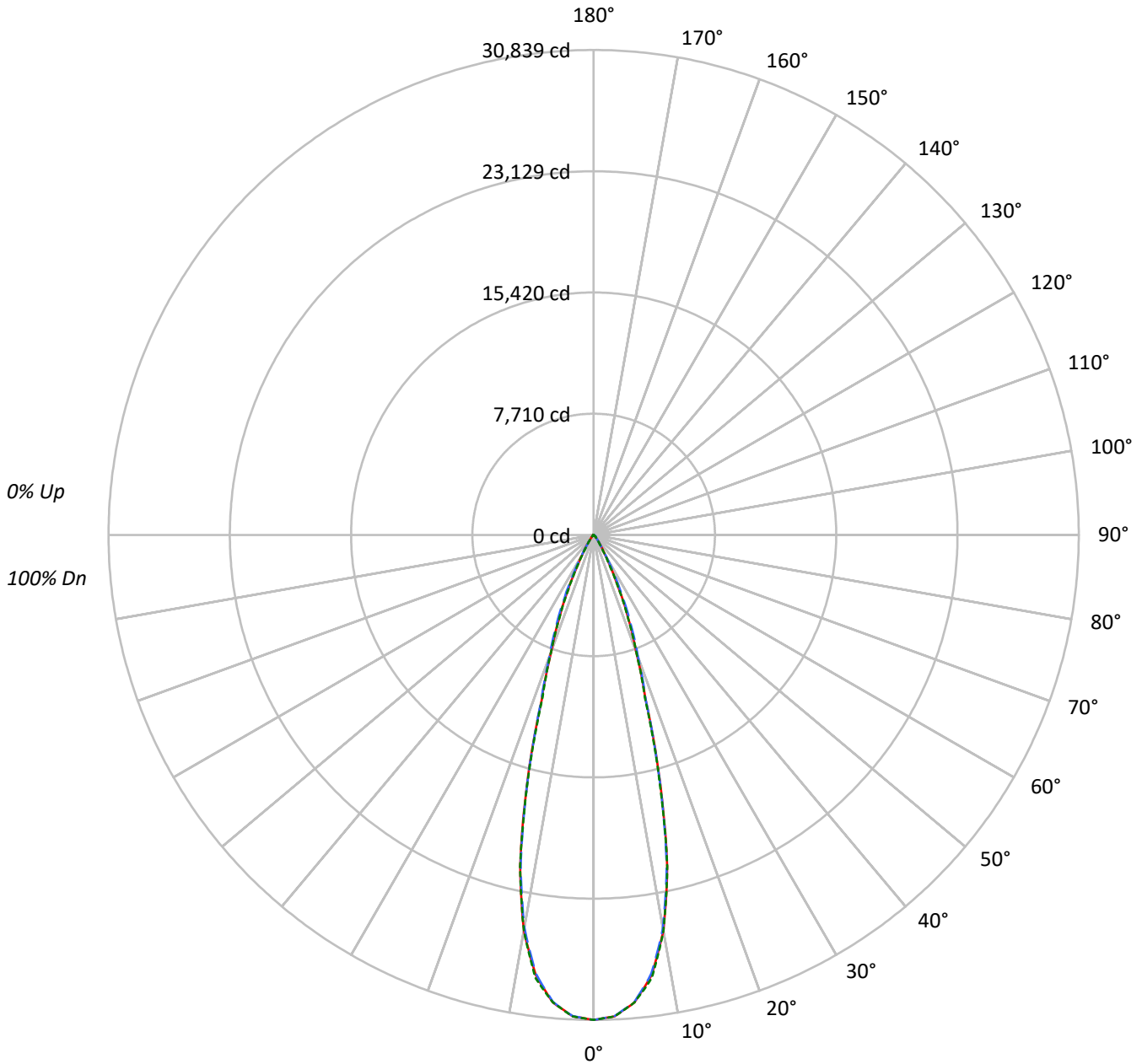


Downlight

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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°	2360506	2360506	2360506
5°	2292741	2290067	2292856
10°	1985861	1971855	1985395
15°	1295680	1288714	1282240
20°	644283	668451	643419
25°	324540	365974	317893
30°	129943	141583	113212
35°	60270	57719	48384
40°	26019	28897	24510
45°	18359	22786	18521
50°	6311	16588	6669
55°	3643	6873	3843
60°	2557	3016	2557
65°	1648	1648	1648
70°	1007	671	1007
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22786 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2711.8	28.3
10°-20°	4367.4	45.5
20°-30°	1887.3	19.7
30°-40°	430.1	4.5
40°-50°	147.7	1.5
50°-60°	36.1	0.4
60°-70°	9.4	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°	8966.5	93.5
0°-40°	9396.6	98.0
0°-60°	9580.4	99.9
0°-90°	9590.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9590.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30839	30839	30839	30839	30839	
5°	29840	29811	29805	29867	29841	2714
15°	16351	16154	16263	16210	16181	4378
25°	3843	3988	4333	3887	3764	1839
35°	645	659	618	613	518	437
45°	170	210	210	210	171	120
55°	27	29	52	30	29	27
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°	30838.8	30838.8	30838.8	30838.8	30838.8
2.5°	30634.4	30613.2	30625.3	30640.4	30646.5
5°	29839.5	29810.7	29804.7	29866.8	29841.0
7.5°	28236.1	28195.2	28133.1	28273.9	28405.7
10°	25550.1	25504.7	25369.9	25436.6	25544.1
12.5°	21584.7	21437.9	21434.8	21646.8	21618.0
15°	16350.6	16153.7	16262.7	16209.7	16181.0
17.5°	10995.3	10919.5	11064.9	11021.0	10831.7
20°	7909.6	7929.2	8206.3	8067.0	7899.0
22.5°	5771.7	5842.8	6171.4	5812.6	5680.8
25°	3842.7	3988.1	4333.3	3886.6	3764.0
27.5°	2363.5	2430.1	2779.9	2333.2	2266.6
30°	1470.2	1436.9	1601.9	1374.8	1280.9
32.5°	964.5	922.1	975.1	875.1	799.4
35°	645.0	658.6	617.7	613.2	517.8
37.5°	402.7	463.3	408.8	436.1	333.1
40°	260.4	336.1	289.2	319.5	245.3
42.5°	213.5	258.9	237.7	252.9	218.0
45°	169.6	210.5	210.5	210.5	171.1
47.5°	93.9	140.8	180.2	143.8	99.9
50°	53.0	71.2	139.3	74.2	56.0
52.5°	36.3	40.9	95.4	42.4	37.9
55°	27.3	28.8	51.5	30.3	28.8
57.5°	21.2	22.7	27.3	22.7	21.2
60°	16.7	16.7	19.7	18.2	16.7
62.5°	12.1	12.1	13.6	12.1	12.1
65°	9.1	9.1	9.1	9.1	9.1
67.5°	4.5	6.1	6.1	6.1	6.1
70°	4.5	3.0	3.0	3.0	4.5
72.5°	3.0	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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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