

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: P769558

Luminaire Tested: LD6D65D010-EU6DR3055659050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769558
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: LD6D65D010-EU6DR3055659050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8238.1 lumens
Efficiency: N/A
Efficacy: 113.2 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): 72.8
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

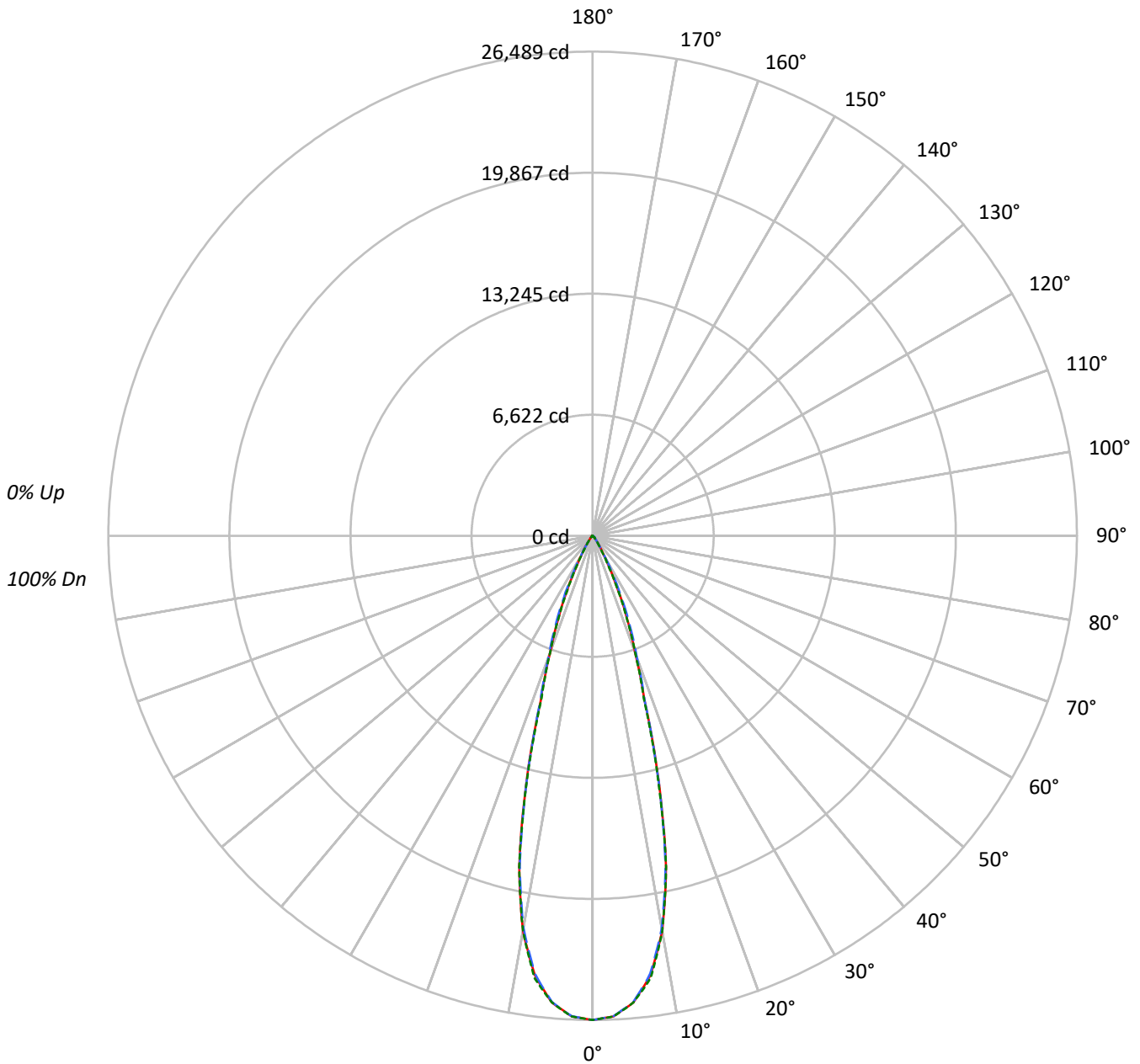


Downlight

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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°	2027589	2027589	2027589
5°	1969386	1967080	1969485
10°	1705782	1693758	1705378
15°	1112936	1106961	1101398
20°	553411	574174	552669
25°	278773	314355	273056
30°	111612	121617	97250
35°	51767	49580	41563
40°	22352	24820	21053
45°	15772	19571	15913
50°	5418	14242	5728
55°	3123	5898	3296
60°	2189	2587	2189
65°	1413	1413	1413
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19571 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2329.3	28.3
10°-20°	3751.4	45.5
20°-30°	1621.1	19.7
30°-40°	369.5	4.5
40°-50°	126.9	1.5
50°-60°	31.0	0.4
60°-70°	8.0	0.1
70°-80°	0.8	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°	7701.9	93.5
0°-40°	8071.3	98.0
0°-60°	8229.2	99.9
0°-90°	8238.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8238.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26489	26489	26489	26489	26489	
5°	25631	25606	25601	25654	25632	2331
15°	14044	13876	13969	13924	13899	3761
25°	3301	3426	3722	3338	3233	1580
35°	554	566	531	527	445	376
45°	146	181	181	181	147	103
55°	23	25	44	26	25	23
65°	8	8	8	8	8	8
75°	0	0	1	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°	26489.4	26489.4	26489.4	26489.4	26489.4
2.5°	26313.8	26295.6	26306.0	26319.0	26324.2
5°	25631.1	25606.3	25601.1	25654.5	25632.4
7.5°	24253.8	24218.7	24165.3	24286.3	24399.4
10°	21946.6	21907.6	21791.9	21849.1	21941.4
12.5°	18540.5	18414.4	18411.8	18593.8	18569.1
15°	14044.5	13875.5	13969.1	13923.6	13898.9
17.5°	9444.5	9379.5	9504.4	9466.6	9304.1
20°	6794.0	6810.9	7048.9	6929.3	6784.9
22.5°	4957.7	5018.8	5301.0	4992.8	4879.6
25°	3300.8	3425.6	3722.1	3338.5	3233.1
27.5°	2030.1	2087.4	2387.8	2004.1	1946.9
30°	1262.8	1234.2	1376.0	1180.9	1100.3
32.5°	828.4	792.0	837.5	751.7	686.7
35°	554.0	565.7	530.6	526.7	444.8
37.5°	345.9	398.0	351.1	374.6	286.1
40°	223.7	288.7	248.4	274.4	210.7
42.5°	183.4	222.4	204.2	217.2	187.3
45°	145.7	180.8	180.8	180.8	147.0
47.5°	80.6	121.0	154.8	123.6	85.8
50°	45.5	61.1	119.6	63.7	48.1
52.5°	31.2	35.1	81.9	36.4	32.5
55°	23.4	24.7	44.2	26.0	24.7
57.5°	18.2	19.5	23.4	19.5	18.2
60°	14.3	14.3	16.9	15.6	14.3
62.5°	10.4	10.4	11.7	10.4	10.4
65°	7.8	7.8	7.8	7.8	7.8
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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