

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: P769536

Luminaire Tested: LD6D65D010-EU6DR3055659035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769536
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-EU6DR3055659035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8225.6 lumens
Efficiency: N/A
Efficacy: 113.0 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

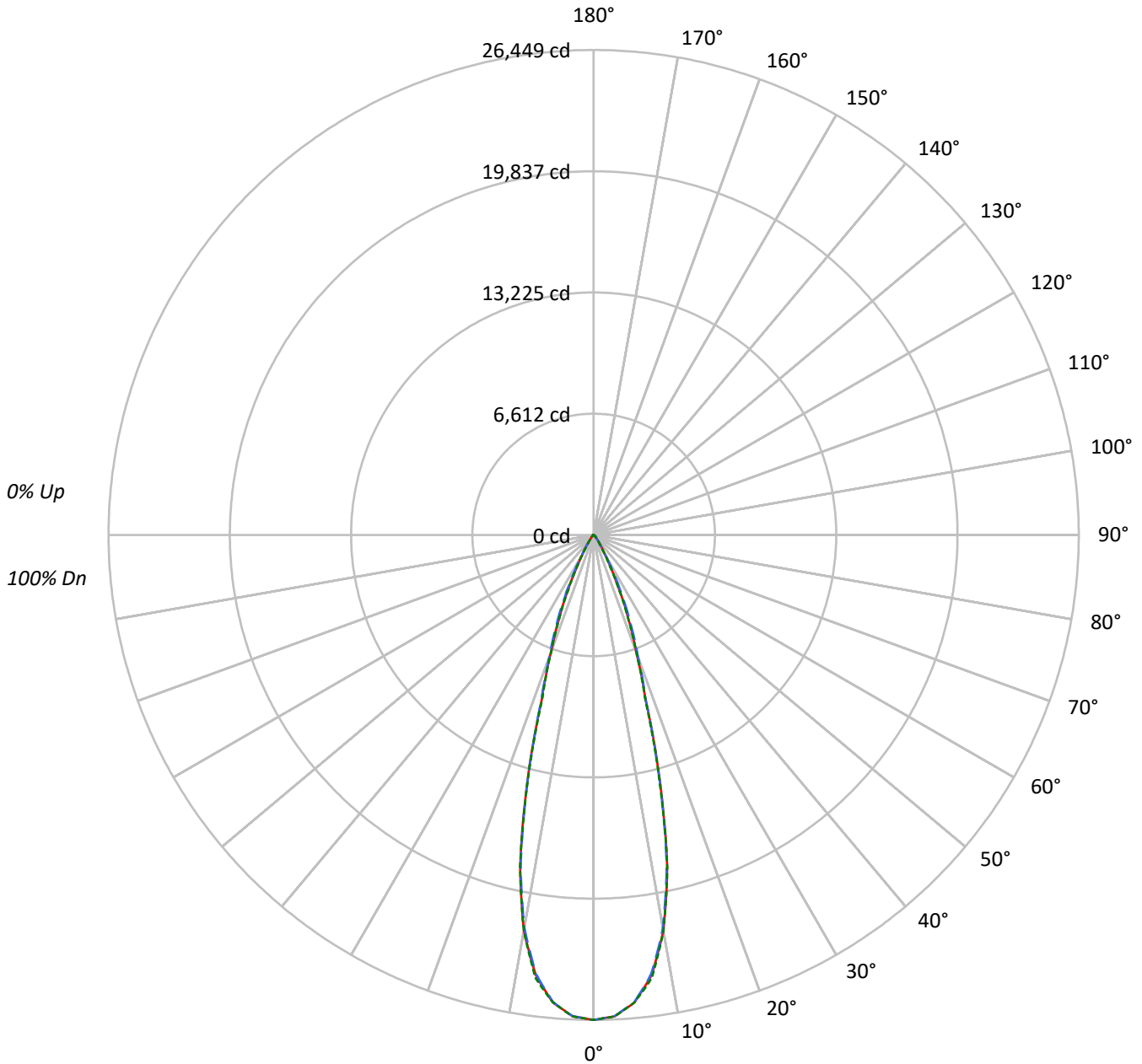
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	2024519	2024519	2024519
5°	1966397	1964107	1966497
10°	1703202	1691185	1702797
15°	1111256	1105281	1099726
20°	552572	573310	551830
25°	278351	313882	272642
30°	111444	121432	97099
35°	51692	49506	41498
40°	22322	24780	21023
45°	15739	19539	15880
50°	5406	14230	5716
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: 19539 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2325.8	28.3
10°-20°	3745.7	45.5
20°-30°	1618.6	19.7
30°-40°	368.9	4.5
40°-50°	126.7	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°	7690.2	93.5
0°-40°	8059.1	98.0
0°-60°	8216.8	99.9
0°-90°	8225.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8225.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26449	26449	26449	26449	26449	
5°	25592	25568	25562	25616	25594	2328
15°	14023	13854	13948	13902	13878	3755
25°	3296	3420	3716	3333	3228	1578
35°	553	565	530	526	444	375
45°	145	180	180	180	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°	26449.3	26449.3	26449.3	26449.3	26449.3
2.5°	26274.0	26255.8	26266.2	26279.2	26284.4
5°	25592.2	25567.5	25562.4	25615.6	25593.5
7.5°	24217.0	24182.0	24128.7	24249.5	24362.5
10°	21913.4	21874.4	21758.8	21816.0	21908.2
12.5°	18512.4	18386.5	18383.9	18565.7	18541.0
15°	14023.3	13854.4	13947.9	13902.5	13877.8
17.5°	9430.2	9365.3	9490.0	9452.3	9290.0
20°	6783.7	6800.6	7038.3	6918.8	6774.6
22.5°	4950.1	5011.2	5293.0	4985.2	4872.2
25°	3295.8	3420.4	3716.5	3333.4	3228.2
27.5°	2027.1	2084.2	2384.2	2001.1	1944.0
30°	1260.9	1232.3	1373.9	1179.1	1098.6
32.5°	827.2	790.8	836.3	750.6	685.6
35°	553.2	564.9	529.8	525.9	444.1
37.5°	345.4	397.4	350.6	374.0	285.7
40°	223.4	288.3	248.0	274.0	210.4
42.5°	183.1	222.1	203.9	216.9	187.0
45°	145.4	180.5	180.5	180.5	146.7
47.5°	80.5	120.8	154.5	123.4	85.7
50°	45.4	61.0	119.5	63.6	48.0
52.5°	31.2	35.1	81.8	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

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Scaled Data Report





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

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