

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: P769534

Luminaire Tested: LD6D65D010-EU6DR3055659035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769534
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-EU6DR3055659035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6970.8 lumens
Efficiency: N/A
Efficacy: 95.8 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

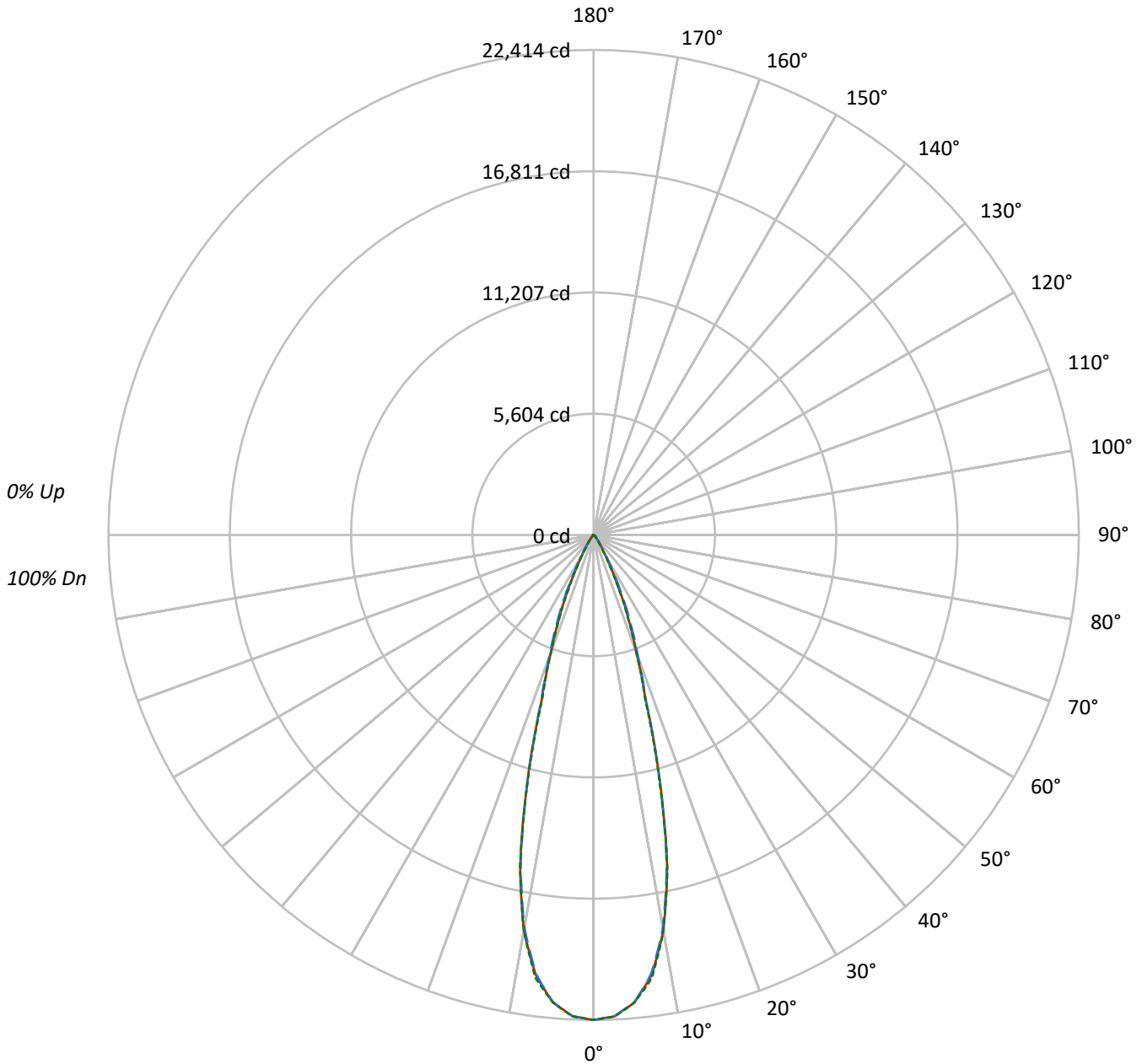
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1715682	1715682	1715682
5°	1666430	1664486	1666514
10°	1443385	1433203	1443043
15°	941738	936675	931968
20°	468281	485851	467654
25°	235886	266004	231056
30°	94448	102906	82286
35°	43806	41956	35172
40°	18915	21003	17816
45°	13347	16562	13466
50°	4585	12051	4847
55°	2642	4991	2789
60°	1852	2189	1852
65°	1195	1195	1195
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16562 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1971.0	28.3
10°-20°	3174.3	45.5
20°-30°	1371.7	19.7
30°-40°	312.6	4.5
40°-50°	107.4	1.5
50°-60°	26.2	0.4
60°-70°	6.8	0.1
70°-80°	0.7	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°	6517.1	93.5
0°-40°	6829.7	98.0
0°-60°	6963.3	99.9
0°-90°	6970.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6970.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22414	22414	22414	22414	22414	
5°	21688	21667	21663	21708	21689	1973
15°	11884	11741	11820	11782	11761	3182
25°	2793	2899	3150	2825	2736	1337
35°	469	479	449	446	376	318
45°	123	153	153	153	124	87
55°	20	21	37	22	21	19
65°	7	7	7	7	7	6
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°	22414.5	22414.5	22414.5	22414.5	22414.5
2.5°	22266.0	22250.6	22259.4	22270.4	22274.8
5°	21688.2	21667.3	21662.9	21708.0	21689.3
7.5°	20522.8	20493.1	20448.0	20550.3	20646.1
10°	18570.6	18537.5	18439.6	18488.0	18566.2
12.5°	15688.4	15581.7	15579.5	15733.5	15712.6
15°	11884.1	11741.0	11820.2	11781.7	11760.8
17.5°	7991.7	7936.6	8042.3	8010.4	7872.8
20°	5748.9	5763.2	5964.6	5863.3	5741.2
22.5°	4195.0	4246.7	4485.5	4224.7	4129.0
25°	2793.0	2898.7	3149.6	2824.9	2735.8
27.5°	1717.8	1766.3	2020.5	1695.8	1647.4
30°	1068.6	1044.4	1164.3	999.2	931.0
32.5°	701.0	670.2	708.7	636.1	581.1
35°	468.8	478.7	449.0	445.7	376.4
37.5°	292.7	336.7	297.1	316.9	242.1
40°	189.3	244.3	210.2	232.2	178.3
42.5°	155.2	188.2	172.8	183.8	158.5
45°	123.3	153.0	153.0	153.0	124.4
47.5°	68.2	102.3	131.0	104.5	72.6
50°	38.5	51.7	101.2	53.9	40.7
52.5°	26.4	29.7	69.3	30.8	27.5
55°	19.8	20.9	37.4	22.0	20.9
57.5°	15.4	16.5	19.8	16.5	15.4
60°	12.1	12.1	14.3	13.2	12.1
62.5°	8.8	8.8	9.9	8.8	8.8
65°	6.6	6.6	6.6	6.6	6.6
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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