

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: P768725

Luminaire Tested: LD6D60D010-EU6DR3055659027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768725
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: LD6D60D010-EU6DR3055659027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5464.0 lumens
Efficiency: N/A
Efficacy: 84.8 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

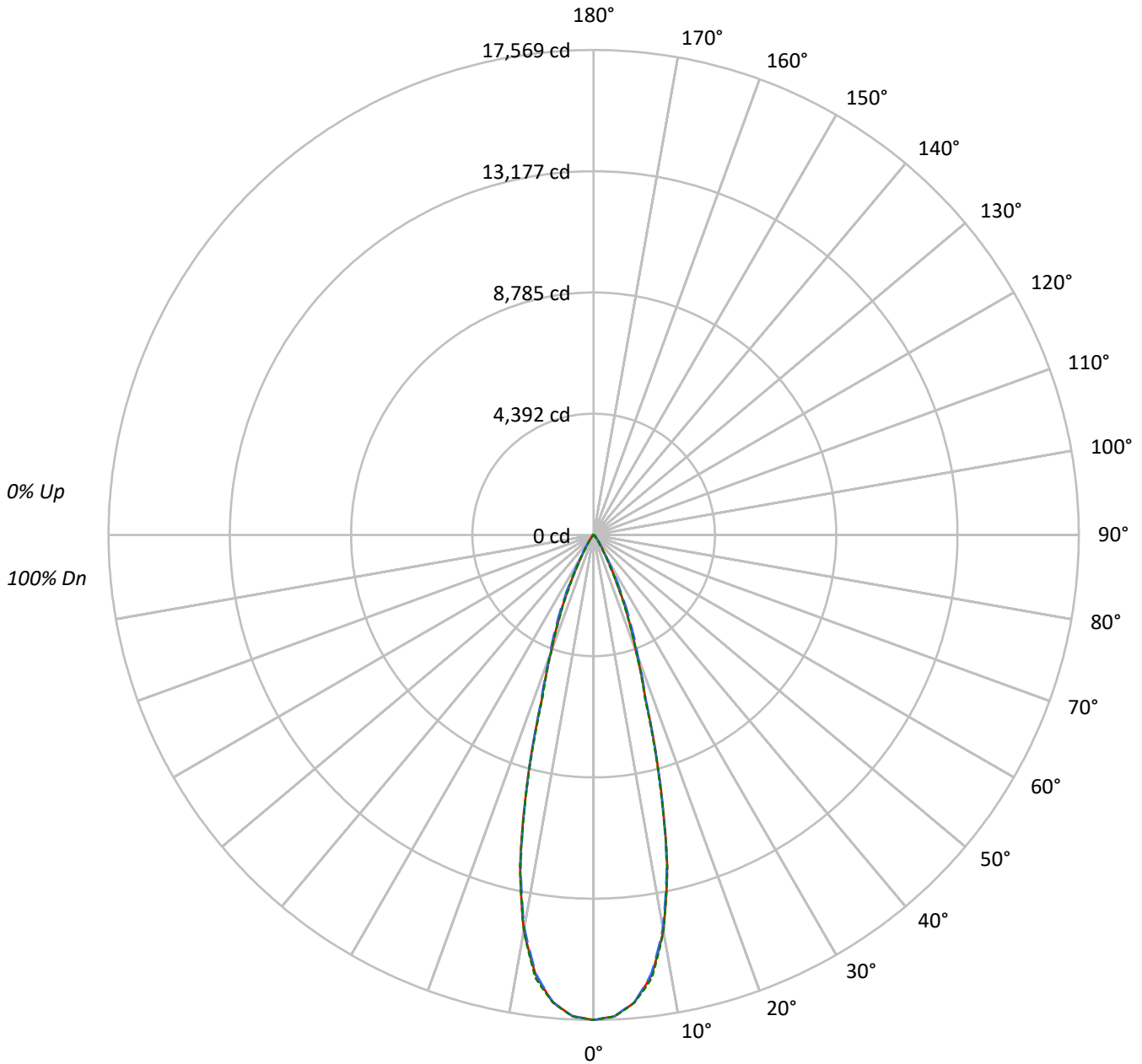
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1344814	1344814	1344814
5°	1306208	1304687	1306277
10°	1131377	1123395	1131105
15°	738162	734199	730507
20°	367056	380830	366567
25°	184900	208497	181108
30°	74031	80660	64503
35°	34340	32882	27565
40°	14828	16467	13959
45°	10457	12979	10554
50°	3596	9455	3799
55°	2068	3910	2189
60°	1454	1715	1454
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12979 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1545.0	28.3
10°-20°	2488.2	45.5
20°-30°	1075.2	19.7
30°-40°	245.1	4.5
40°-50°	84.1	1.5
50°-60°	20.6	0.4
60°-70°	5.3	0.1
70°-80°	0.6	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°	5108.3	93.5
0°-40°	5353.4	98.0
0°-60°	5458.1	99.9
0°-90°	5464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17569	17569	17569	17569	17569	
5°	17000	16984	16980	17016	17001	1546
15°	9315	9203	9265	9235	9218	2494
25°	2189	2272	2469	2214	2144	1048
35°	368	375	352	349	295	249
45°	97	120	120	120	98	69
55°	16	16	29	17	16	15
65°	5	5	5	5	5	5
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°	17569.3	17569.3	17569.3	17569.3	17569.3
2.5°	17452.9	17440.8	17447.7	17456.3	17459.8
5°	17000.0	16983.6	16980.2	17015.5	17000.9
7.5°	16086.5	16063.2	16027.9	16108.1	16183.1
10°	14556.3	14530.4	14453.6	14491.6	14552.8
12.5°	12297.1	12213.5	12211.7	12332.5	12316.1
15°	9315.1	9203.0	9265.1	9234.9	9218.5
17.5°	6264.2	6221.0	6303.8	6278.8	6171.0
20°	4506.2	4517.4	4675.3	4595.9	4500.2
22.5°	3288.2	3328.7	3515.9	3311.5	3236.5
25°	2189.3	2272.1	2468.7	2214.3	2144.4
27.5°	1346.5	1384.5	1583.7	1329.3	1291.3
30°	837.6	818.6	912.6	783.2	729.8
32.5°	549.5	525.3	555.5	498.6	455.4
35°	367.5	375.2	351.9	349.4	295.0
37.5°	229.4	264.0	232.9	248.4	189.8
40°	148.4	191.5	164.8	182.0	139.7
42.5°	121.6	147.5	135.4	144.1	124.2
45°	96.6	119.9	119.9	119.9	97.5
47.5°	53.5	80.2	102.6	81.9	56.9
50°	30.2	40.5	79.4	42.3	31.9
52.5°	20.7	23.3	54.3	24.2	21.6
55°	15.5	16.4	29.3	17.3	16.4
57.5°	12.1	12.9	15.5	12.9	12.1
60°	9.5	9.5	11.2	10.4	9.5
62.5°	6.9	6.9	7.8	6.9	6.9
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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