

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: P767942

Luminaire Tested: LD6D55D010-EU6DR3055659027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767942
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: LD6D55D010-EU6DR3055659027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5636.0 lumens
Efficiency: N/A
Efficacy: 96.8 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

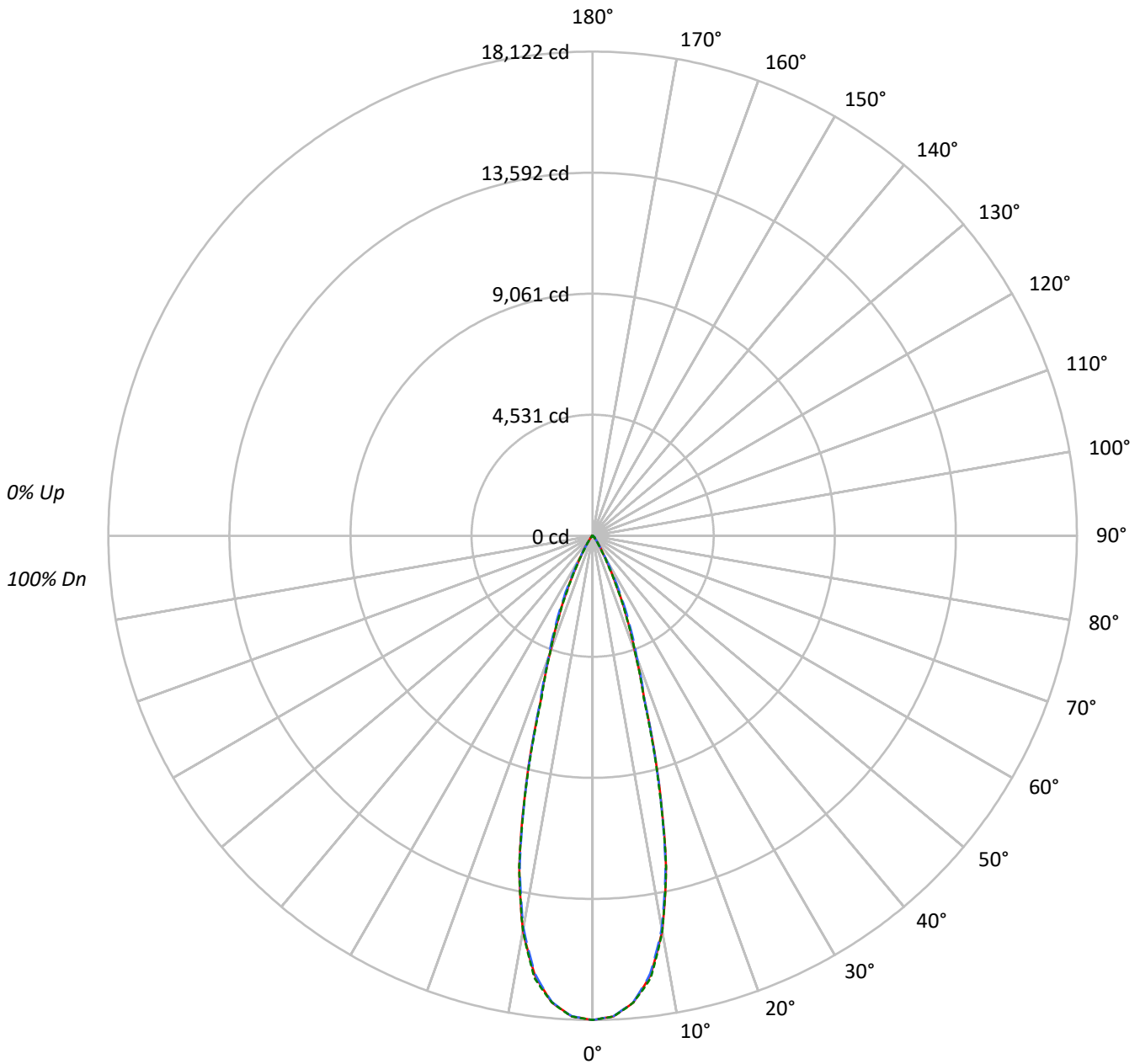
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1387150	1387150	1387150
5°	1347331	1345756	1347400
10°	1166990	1158767	1166718
15°	761404	757315	753511
20°	378615	392812	378101
25°	190719	215068	186809
30°	76356	83205	66527
35°	35415	33920	28434
40°	15288	16976	14399
45°	10792	13390	10879
50°	3703	9753	3918
55°	2135	4044	2255
60°	1500	1776	1500
65°	960	960	960
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1593.6	28.3
10°-20°	2566.5	45.5
20°-30°	1109.1	19.7
30°-40°	252.8	4.5
40°-50°	86.8	1.5
50°-60°	21.2	0.4
60°-70°	5.5	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°	5269.1	93.5
0°-40°	5521.9	98.0
0°-60°	5629.9	99.9
0°-90°	5636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5636.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18122	18122	18122	18122	18122	
5°	17535	17518	17515	17551	17536	1595
15°	9608	9493	9557	9526	9509	2573
25°	2258	2344	2546	2284	2212	1081
35°	379	387	363	360	304	257
45°	100	124	124	124	100	71
55°	16	17	30	18	17	16
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°	18122.4	18122.4	18122.4	18122.4	18122.4
2.5°	18002.3	17989.9	17997.0	18005.9	18009.4
5°	17535.2	17518.3	17514.7	17551.2	17536.1
7.5°	16593.0	16568.9	16532.5	16615.2	16692.6
10°	15014.5	14987.9	14908.7	14947.8	15011.0
12.5°	12684.3	12598.0	12596.2	12720.8	12703.9
15°	9608.4	9492.8	9556.8	9525.7	9508.8
17.5°	6461.4	6416.9	6502.3	6476.5	6365.3
20°	4648.1	4659.6	4822.4	4740.6	4641.8
22.5°	3391.7	3433.5	3626.6	3415.8	3338.3
25°	2258.2	2343.6	2546.5	2284.0	2211.9
27.5°	1388.9	1428.0	1633.6	1371.1	1332.0
30°	863.9	844.4	941.4	807.9	752.7
32.5°	566.8	541.9	573.0	514.3	469.8
35°	379.0	387.0	363.0	360.3	304.3
37.5°	236.7	272.3	240.2	256.2	195.7
40°	153.0	197.5	169.9	187.7	144.1
42.5°	125.5	152.1	139.7	148.6	128.1
45°	99.7	123.7	123.7	123.7	100.5
47.5°	55.2	82.7	105.9	84.5	58.7
50°	31.1	41.8	81.9	43.6	32.9
52.5°	21.4	24.0	56.1	24.9	22.2
55°	16.0	16.9	30.3	17.8	16.9
57.5°	12.5	13.3	16.0	13.3	12.5
60°	9.8	9.8	11.6	10.7	9.8
62.5°	7.1	7.1	8.0	7.1	7.1
65°	5.3	5.3	5.3	5.3	5.3
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	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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