

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: P767953

Luminaire Tested: LD6D55D010-EU6DR3055659027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767953
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-EU6DR3055659027-6LBSQW1B
Description: 6 INCH SQAURE 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: 4686.8 lumens
Efficiency: N/A
Efficacy: 80.5 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

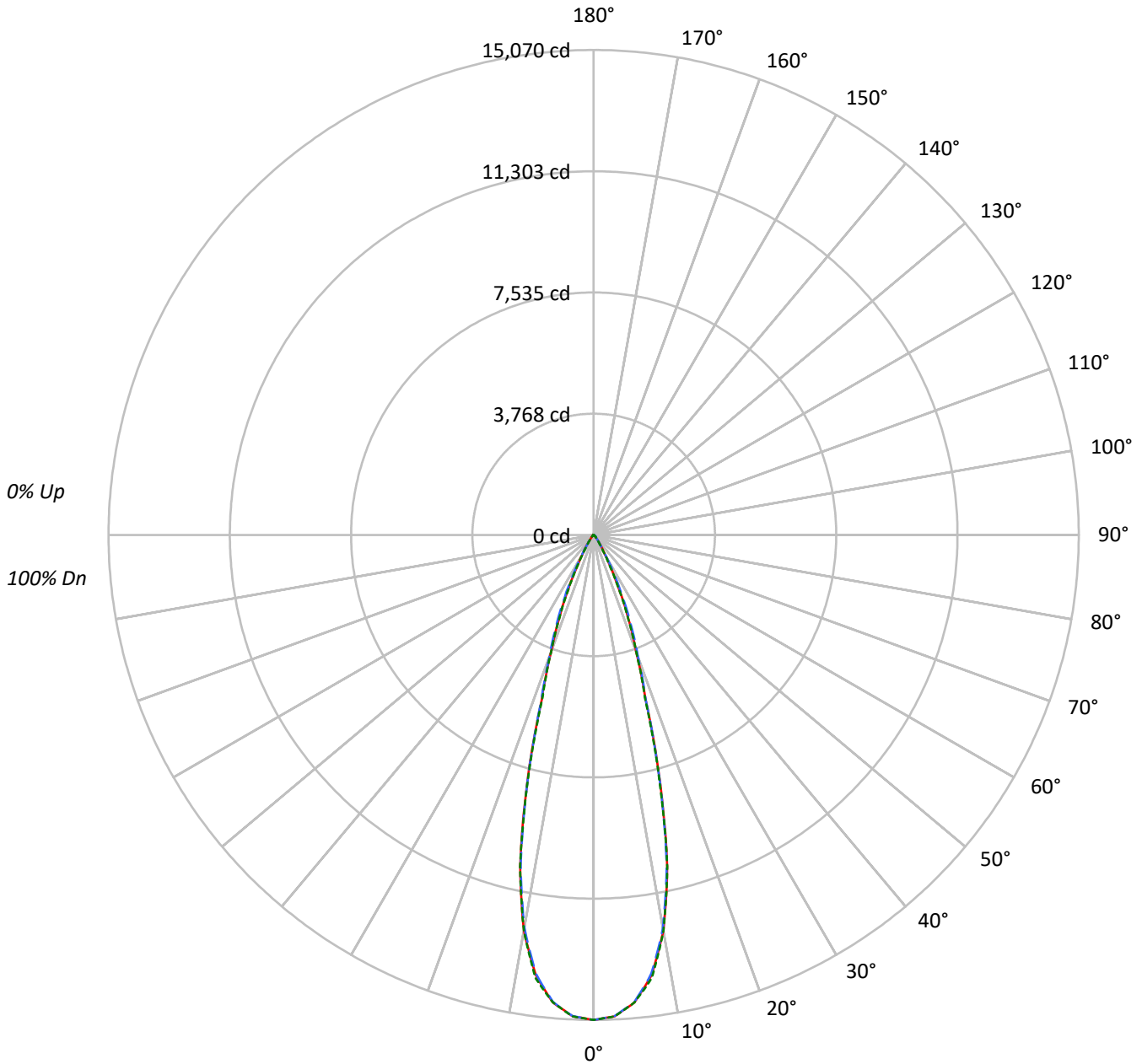
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1153524	1153524	1153524
5°	1120412	1119098	1120465
10°	970441	963601	970216
15°	633164	629764	626603
20°	314843	326654	314419
25°	158600	178845	155349
30°	63496	69188	55329
35°	29453	28210	23641
40°	12720	14119	11980
45°	8974	11128	9050
50°	3084	8109	3263
55°	1775	3363	1882
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1325.2	28.3
10°-20°	2134.2	45.5
20°-30°	922.3	19.7
30°-40°	210.2	4.5
40°-50°	72.2	1.5
50°-60°	17.6	0.4
60°-70°	4.6	0.1
70°-80°	0.5	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°	4381.7	93.5
0°-40°	4591.9	98.0
0°-60°	4681.7	99.9
0°-90°	4686.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4686.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15070	15070	15070	15070	15070	
5°	14582	14568	14565	14595	14583	1326
15°	7990	7894	7947	7921	7907	2139
25°	1878	1949	2118	1899	1839	899
35°	315	322	302	300	253	214
45°	83	103	103	103	84	59
55°	13	14	25	15	14	13
65°	4	4	4	4	4	4
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°	15070.2	15070.2	15070.2	15070.2	15070.2
2.5°	14970.3	14959.9	14965.9	14973.3	14976.2
5°	14581.9	14567.8	14564.8	14595.2	14582.6
7.5°	13798.3	13778.3	13748.0	13816.8	13881.2
10°	12485.7	12463.5	12397.7	12430.2	12482.8
12.5°	10547.9	10476.2	10474.7	10578.3	10564.2
15°	7990.1	7893.9	7947.2	7921.3	7907.3
17.5°	5373.1	5336.1	5407.2	5385.7	5293.2
20°	3865.2	3874.8	4010.2	3942.2	3860.0
22.5°	2820.5	2855.3	3015.8	2840.5	2776.1
25°	1877.9	1948.9	2117.6	1899.3	1839.4
27.5°	1155.0	1187.5	1358.4	1140.2	1107.6
30°	718.4	702.2	782.8	671.8	626.0
32.5°	471.3	450.6	476.5	427.7	390.7
35°	315.2	321.9	301.9	299.7	253.0
37.5°	196.8	226.4	199.8	213.1	162.8
40°	127.3	164.3	141.3	156.1	119.9
42.5°	104.3	126.5	116.2	123.6	106.5
45°	82.9	102.8	102.8	102.8	83.6
47.5°	45.9	68.8	88.0	70.3	48.8
50°	25.9	34.8	68.1	36.3	27.4
52.5°	17.8	20.0	46.6	20.7	18.5
55°	13.3	14.1	25.2	14.8	14.1
57.5°	10.4	11.1	13.3	11.1	10.4
60°	8.1	8.1	9.6	8.9	8.1
62.5°	5.9	5.9	6.7	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	3.0	3.0	3.0	3.0
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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