

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: P767931

Luminaire Tested: LD6D55D010-EU6DR3055659024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767931
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-EU6DR3055659024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4976.1 lumens
Efficiency: N/A
Efficacy: 85.5 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

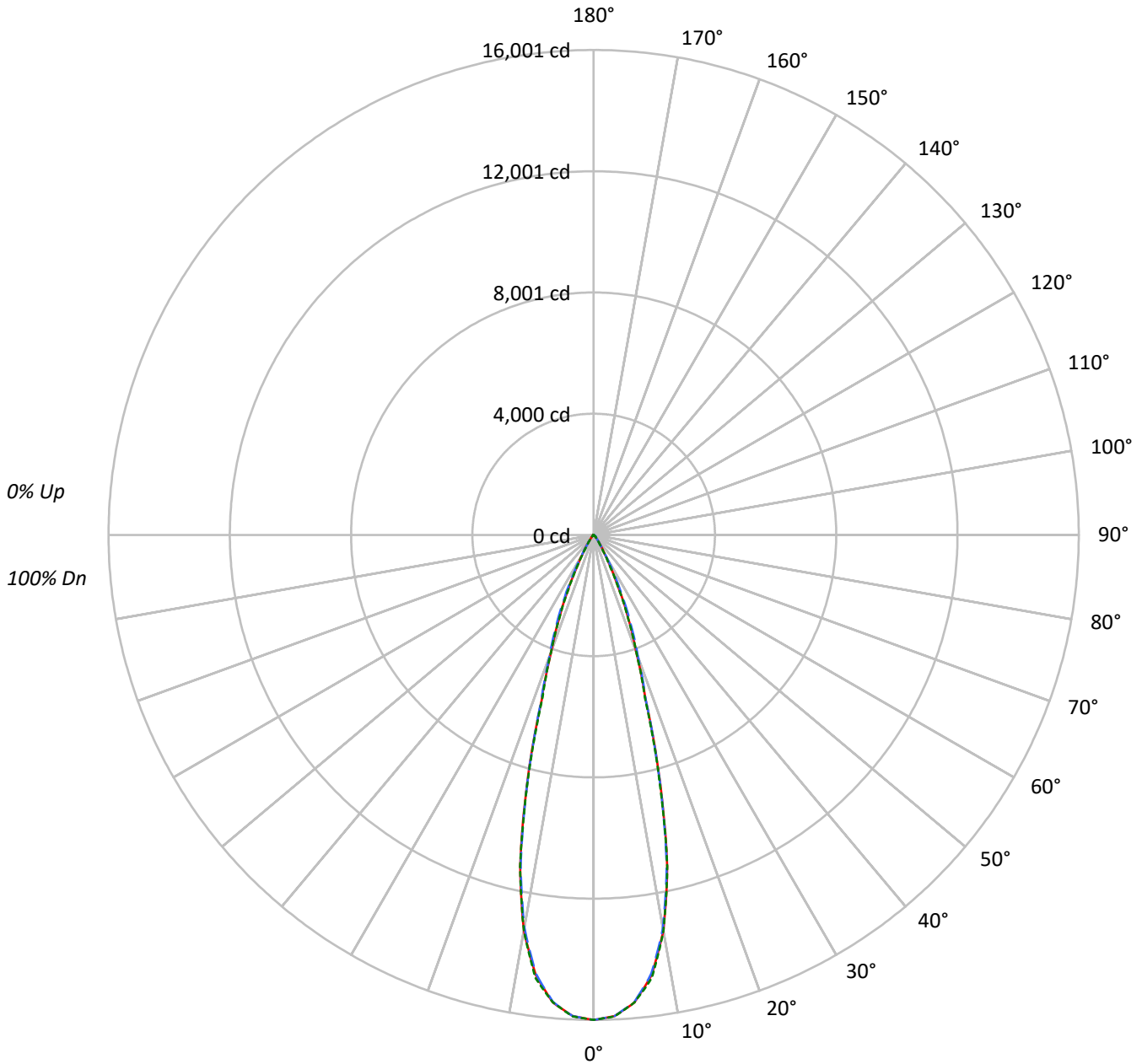
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1224748	1224748	1224748
5°	1189587	1188204	1189648
10°	1030366	1023099	1030118
15°	672263	668649	665289
20°	334286	346831	333838
25°	168389	189883	164943
30°	67420	73457	58740
35°	31275	29948	25108
40°	13499	14988	12720
45°	9526	11821	9612
50°	3275	8610	3465
55°	1882	3563	1988
60°	1317	1561	1317
65°	851	851	851
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11821 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1407.0	28.3
10°-20°	2266.0	45.5
20°-30°	979.2	19.7
30°-40°	223.2	4.5
40°-50°	76.6	1.5
50°-60°	18.7	0.4
60°-70°	4.8	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°	4652.2	93.5
0°-40°	4875.4	98.0
0°-60°	4970.8	99.9
0°-90°	4976.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4976.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16001	16001	16001	16001	16001	
5°	15482	15467	15464	15496	15483	1408
15°	8484	8381	8438	8410	8396	2272
25°	1994	2069	2248	2017	1953	954
35°	335	342	320	318	269	227
45°	88	109	109	109	89	62
55°	14	15	27	16	15	14
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°	16000.7	16000.7	16000.7	16000.7	16000.7
2.5°	15894.7	15883.7	15890.0	15897.8	15900.9
5°	15482.2	15467.3	15464.2	15496.4	15483.0
7.5°	14650.3	14629.1	14596.9	14669.9	14738.3
10°	13256.7	13233.1	13163.2	13197.8	13253.5
12.5°	11199.2	11123.0	11121.5	11231.5	11216.5
15°	8483.5	8381.4	8437.9	8410.4	8395.5
17.5°	5704.9	5665.6	5741.0	5718.2	5620.0
20°	4103.9	4114.1	4257.9	4185.6	4098.4
22.5°	2994.6	3031.6	3202.0	3015.8	2947.5
25°	1993.8	2069.2	2248.3	2016.6	1953.0
27.5°	1226.3	1260.9	1442.3	1210.6	1176.0
30°	762.8	745.5	831.1	713.3	664.6
32.5°	500.4	478.4	505.9	454.1	414.8
35°	334.7	341.7	320.5	318.2	268.7
37.5°	209.0	240.4	212.1	226.2	172.8
40°	135.1	174.4	150.0	165.8	127.3
42.5°	110.8	134.3	123.3	131.2	113.1
45°	88.0	109.2	109.2	109.2	88.8
47.5°	48.7	73.1	93.5	74.6	51.8
50°	27.5	36.9	72.3	38.5	29.1
52.5°	18.9	21.2	49.5	22.0	19.6
55°	14.1	14.9	26.7	15.7	14.9
57.5°	11.0	11.8	14.1	11.8	11.0
60°	8.6	8.6	10.2	9.4	8.6
62.5°	6.3	6.3	7.1	6.3	6.3
65°	4.7	4.7	4.7	4.7	4.7
67.5°	2.4	3.1	3.1	3.1	3.1
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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