

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: P772634

Luminaire Tested: LD6D85BD010-EU6DR3070959027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772634
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: LD6D85BD010-EU6DR3070959027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8199.9 lumens
Efficiency: N/A
Efficacy: 93.5 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

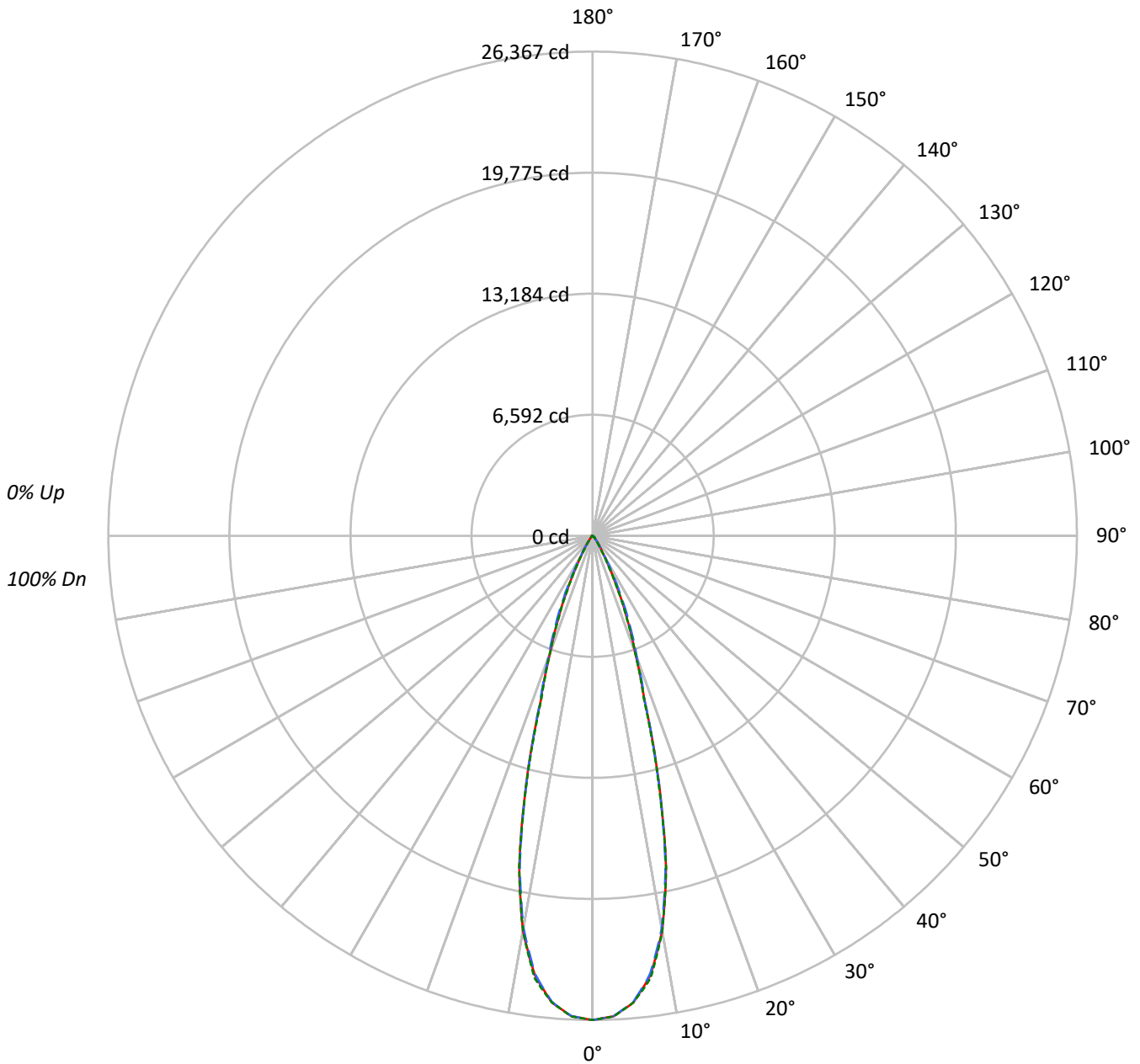
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2018204	2018204	2018204
5°	1960265	1957975	1960365
10°	1697885	1685916	1697481
15°	1107785	1101834	1096295
20°	550853	571518	550112
25°	277481	312902	271797
30°	111100	121052	96799
35°	51533	49356	41367
40°	22252	24710	20953
45°	15696	19474	15837
50°	5394	14182	5704
55°	3109	5872	3283
60°	2174	2572	2174
65°	1413	1413	1413
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19474 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2318.6	28.3
10°-20°	3734.1	45.5
20°-30°	1613.6	19.7
30°-40°	367.8	4.5
40°-50°	126.3	1.5
50°-60°	30.8	0.4
60°-70°	8.0	0.1
70°-80°	0.8	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°	7666.2	93.5
0°-40°	8034.0	98.0
0°-60°	8191.1	99.9
0°-90°	8199.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8199.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26367	26367	26367	26367	26367	
5°	25512	25488	25483	25536	25514	2320
15°	13980	13811	13904	13859	13834	3743
25°	3286	3410	3705	3323	3218	1573
35°	552	563	528	524	443	374
45°	145	180	180	180	146	103
55°	23	25	44	26	25	23
65°	8	8	8	8	8	8
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°	26366.8	26366.8	26366.8	26366.8	26366.8
2.5°	26192.0	26173.9	26184.2	26197.2	26202.4
5°	25512.4	25487.8	25482.6	25535.7	25513.7
7.5°	24141.5	24106.5	24053.5	24173.8	24286.5
10°	21845.0	21806.2	21691.0	21747.9	21839.8
12.5°	18454.7	18329.1	18326.5	18507.7	18483.1
15°	13979.5	13811.2	13904.4	13859.1	13834.5
17.5°	9400.8	9336.1	9460.3	9422.8	9261.0
20°	6762.6	6779.4	7016.3	6897.2	6753.5
22.5°	4934.7	4995.5	5276.5	4969.7	4857.0
25°	3285.5	3409.8	3704.9	3323.0	3218.2
27.5°	2020.7	2077.7	2376.7	1994.9	1937.9
30°	1257.0	1228.5	1369.6	1175.4	1095.2
32.5°	824.6	788.4	833.7	748.2	683.5
35°	551.5	563.1	528.2	524.3	442.7
37.5°	344.3	396.1	349.5	372.8	284.8
40°	222.7	287.4	247.3	273.1	209.7
42.5°	182.5	221.4	203.2	216.2	186.4
45°	145.0	179.9	179.9	179.9	146.3
47.5°	80.3	120.4	154.0	123.0	85.4
50°	45.3	60.8	119.1	63.4	47.9
52.5°	31.1	35.0	81.6	36.2	32.4
55°	23.3	24.6	44.0	25.9	24.6
57.5°	18.1	19.4	23.3	19.4	18.1
60°	14.2	14.2	16.8	15.5	14.2
62.5°	10.4	10.4	11.7	10.4	10.4
65°	7.8	7.8	7.8	7.8	7.8
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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