

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: P774182

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774182
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: LD6D95BD010-EU6DR3070959027-6LBCSSQMB
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: 9677.8 lumens
Efficiency: N/A
Efficacy: 97.6 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

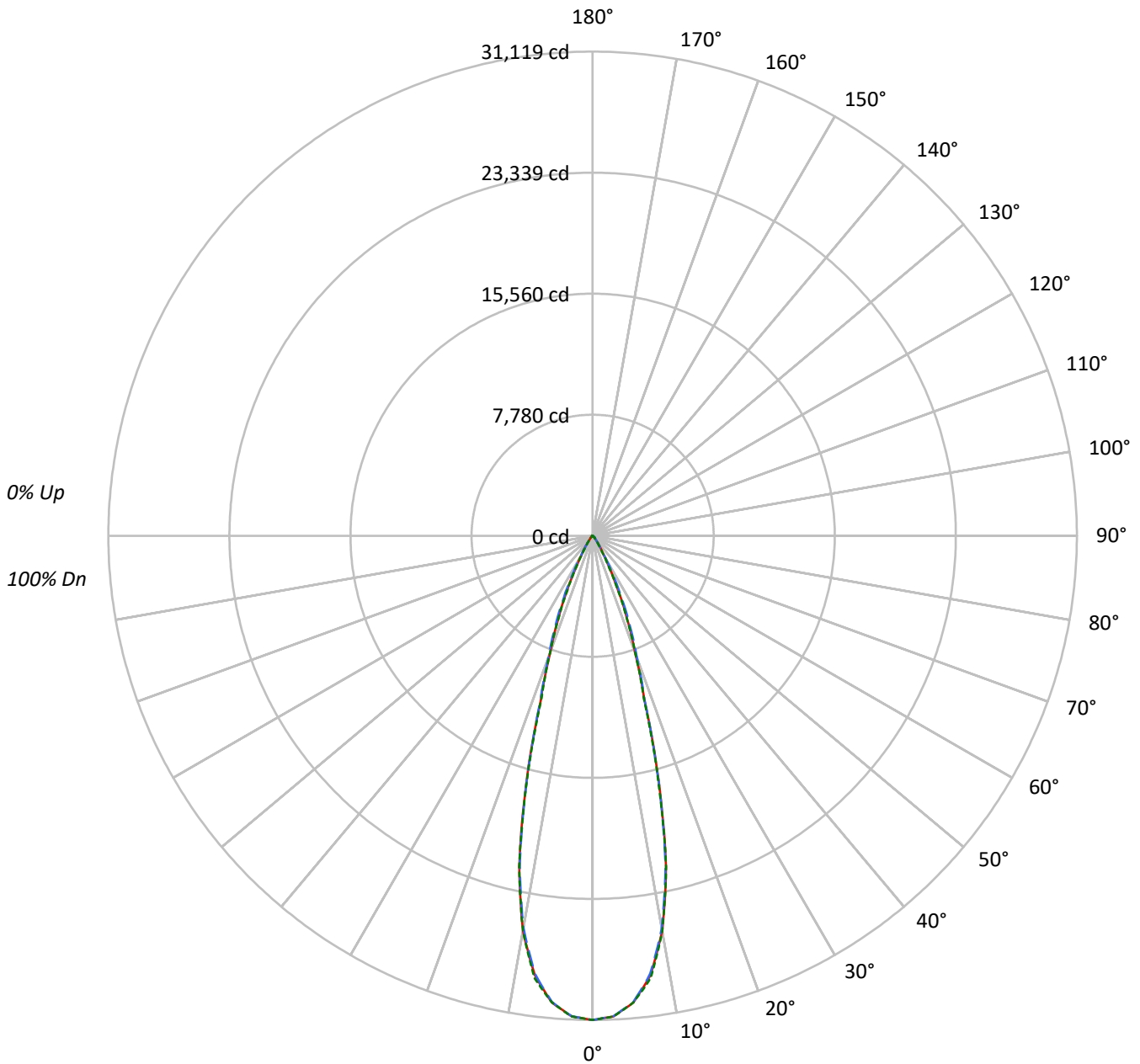
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2381939	2381939	2381939
5°	2313556	2310859	2313679
10°	2003893	1989763	2003419
15°	1307439	1300418	1293881
20°	650131	674519	649260
25°	327488	369294	320782
30°	131119	142865	114237
35°	60822	58252	48824
40°	26259	29157	24730
45°	18521	22992	18684
50°	6371	16743	6728
55°	3670	6926	3870
60°	2572	3046	2572
65°	1666	1666	1666
70°	1029	694	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22992 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2736.4	28.3
10°-20°	4407.0	45.5
20°-30°	1904.4	19.7
30°-40°	434.0	4.5
40°-50°	149.0	1.5
50°-60°	36.4	0.4
60°-70°	9.4	0.1
70°-80°	1.0	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°	9047.9	93.5
0°-40°	9481.9	98.0
0°-60°	9667.4	99.9
0°-90°	9677.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9677.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31119	31119	31119	31119	31119	
5°	30110	30081	30075	30138	30112	2739
15°	16499	16300	16410	16357	16328	4418
25°	3878	4024	4373	3922	3798	1856
35°	651	665	623	619	522	441
45°	171	212	212	212	173	121
55°	28	29	52	31	29	27
65°	9	9	9	9	9	9
75°	0	0	2	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°	31118.8	31118.8	31118.8	31118.8	31118.8
2.5°	30912.5	30891.1	30903.4	30918.6	30924.8
5°	30110.4	30081.4	30075.3	30137.9	30112.0
7.5°	28492.5	28451.2	28388.6	28530.7	28663.6
10°	25782.1	25736.3	25600.3	25667.5	25776.0
12.5°	21780.7	21632.5	21629.5	21843.4	21814.3
15°	16499.0	16300.4	16410.4	16356.9	16327.9
17.5°	11095.1	11018.7	11165.4	11121.1	10930.1
20°	7981.4	8001.2	8280.8	8140.3	7970.7
22.5°	5824.1	5895.9	6227.4	5865.3	5732.4
25°	3877.6	4024.3	4372.6	3921.9	3798.2
27.5°	2384.9	2452.2	2805.1	2354.4	2287.2
30°	1483.5	1449.9	1616.4	1387.3	1292.5
32.5°	973.2	930.4	983.9	883.1	806.7
35°	650.9	664.6	623.4	618.8	522.5
37.5°	406.4	467.5	412.5	440.0	336.1
40°	262.8	339.2	291.8	322.4	247.5
42.5°	215.4	261.3	239.9	255.1	220.0
45°	171.1	212.4	212.4	212.4	172.6
47.5°	94.7	142.1	181.8	145.1	100.8
50°	53.5	71.8	140.6	74.9	56.5
52.5°	36.7	41.3	96.3	42.8	38.2
55°	27.5	29.0	51.9	30.6	29.0
57.5°	21.4	22.9	27.5	22.9	21.4
60°	16.8	16.8	19.9	18.3	16.8
62.5°	12.2	12.2	13.8	12.2	12.2
65°	9.2	9.2	9.2	9.2	9.2
67.5°	4.6	6.1	6.1	6.1	6.1
70°	4.6	3.1	3.1	3.1	4.6
72.5°	3.1	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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