

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: P774197

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774197
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-EU6DR3070959030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9971.8 lumens
Efficiency: N/A
Efficacy: 100.5 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

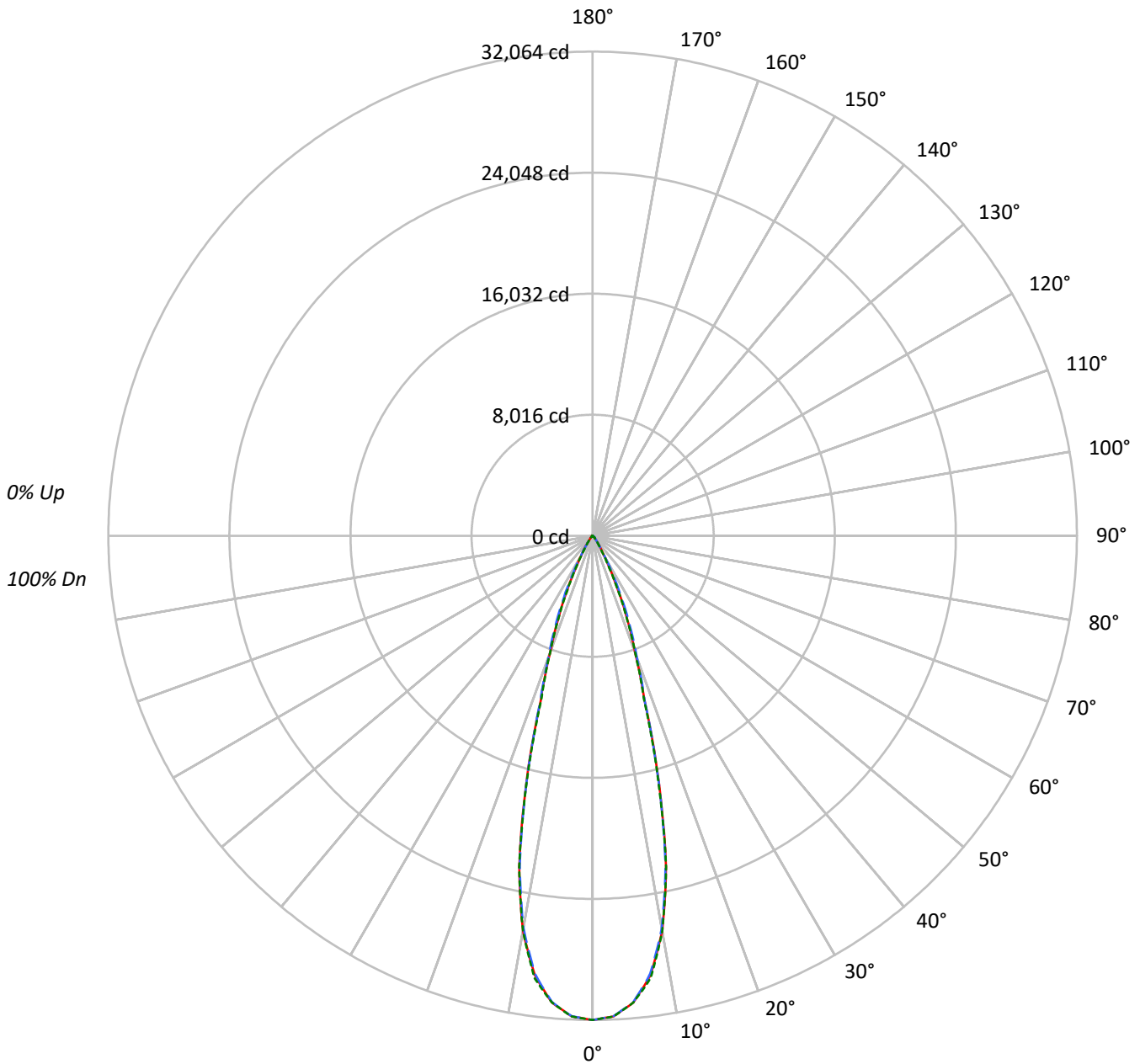
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2454303	2454303	2454303
5°	2383845	2381064	2383968
10°	2064774	2050217	2064285
15°	1347164	1339929	1333194
20°	669884	695013	668980
25°	337437	380518	330528
30°	135105	147214	117711
35°	62662	60018	50309
40°	27058	30046	25480
45°	19084	23685	19257
50°	6561	17243	6930
55°	3777	7140	3990
60°	2648	3138	2648
65°	1703	1703	1703
70°	1052	694	1052
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23685 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2819.6	28.3
10°-20°	4540.9	45.5
20°-30°	1962.3	19.7
30°-40°	447.2	4.5
40°-50°	153.6	1.5
50°-60°	37.5	0.4
60°-70°	9.7	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°	9322.8	93.5
0°-40°	9770.0	98.0
0°-60°	9961.1	99.9
0°-90°	9971.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9971.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32064	32064	32064	32064	32064	
5°	31025	30995	30989	31054	31027	2822
15°	17000	16796	16909	16854	16824	4552
25°	3995	4147	4506	4041	3914	1912
35°	671	685	642	638	538	455
45°	176	219	219	219	178	125
55°	28	30	54	32	30	28
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°	32064.2	32064.2	32064.2	32064.2	32064.2
2.5°	31851.7	31829.7	31842.3	31858.0	31864.3
5°	31025.2	30995.3	30989.0	31053.6	31026.8
7.5°	29358.1	29315.6	29251.1	29397.5	29534.4
10°	26565.4	26518.2	26378.1	26447.3	26559.1
12.5°	22442.4	22289.7	22286.6	22507.0	22477.1
15°	17000.3	16795.6	16909.0	16853.9	16824.0
17.5°	11432.2	11353.5	11504.6	11458.9	11262.2
20°	8223.9	8244.3	8532.4	8387.6	8212.8
22.5°	6001.0	6075.0	6416.6	6043.5	5906.6
25°	3995.4	4146.6	4505.5	4041.1	3913.6
27.5°	2457.4	2526.7	2890.3	2425.9	2356.6
30°	1528.6	1494.0	1665.6	1429.4	1331.8
32.5°	1002.8	958.7	1013.8	909.9	831.2
35°	670.6	684.8	642.3	637.6	538.4
37.5°	418.7	481.7	425.0	453.4	346.3
40°	270.8	349.5	300.7	332.2	255.0
42.5°	222.0	269.2	247.2	262.9	226.7
45°	176.3	218.8	218.8	218.8	177.9
47.5°	97.6	146.4	187.3	149.6	103.9
50°	55.1	74.0	144.8	77.1	58.2
52.5°	37.8	42.5	99.2	44.1	39.4
55°	28.3	29.9	53.5	31.5	29.9
57.5°	22.0	23.6	28.3	23.6	22.0
60°	17.3	17.3	20.5	18.9	17.3
62.5°	12.6	12.6	14.2	12.6	12.6
65°	9.4	9.4	9.4	9.4	9.4
67.5°	4.7	6.3	6.3	6.3	6.3
70°	4.7	3.1	3.1	3.1	4.7
72.5°	3.1	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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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