

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: P774236

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774236
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-EU6DR3070959050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10623.3 lumens
Efficiency: N/A
Efficacy: 107.1 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

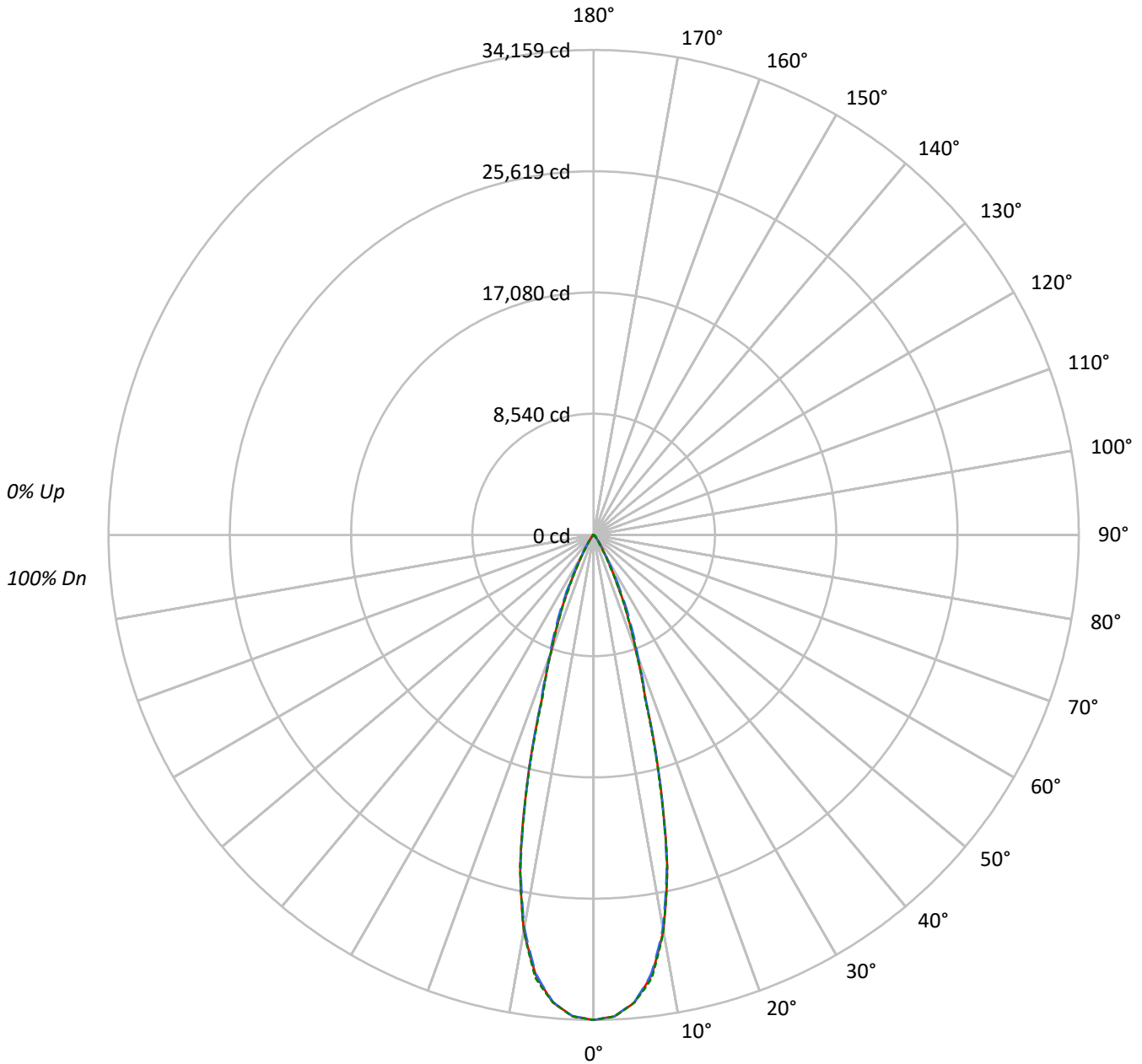
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2614654	2614654	2614654
5°	2539592	2536626	2539722
10°	2199673	2184159	2199152
15°	1435180	1427470	1420290
20°	713650	740425	712689
25°	359488	405382	352124
30°	143934	156830	125400
35°	66755	63943	53598
40°	28827	32004	27148
45°	20329	25233	20513
50°	6990	18374	7395
55°	4030	7607	4257
60°	2817	3337	2817
65°	1829	1829	1829
70°	1119	761	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25233 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3003.8	28.3
10°-20°	4837.6	45.5
20°-30°	2090.5	19.7
30°-40°	476.5	4.5
40°-50°	163.6	1.5
50°-60°	40.0	0.4
60°-70°	10.4	0.1
70°-80°	1.1	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°	9931.8	93.5
0°-40°	10408.3	98.0
0°-60°	10611.9	99.9
0°-90°	10623.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10623.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34159	34159	34159	34159	34159	
5°	33052	33020	33014	33082	33054	3006
15°	18111	17893	18014	17955	17923	4849
25°	4256	4418	4800	4305	4169	2037
35°	714	730	684	679	574	485
45°	188	233	233	233	190	133
55°	30	32	57	34	32	29
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
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°	34159.1	34159.1	34159.1	34159.1	34159.1
2.5°	33932.7	33909.2	33922.6	33939.4	33946.1
5°	33052.2	33020.4	33013.6	33082.4	33053.9
7.5°	31276.2	31230.9	31162.1	31318.1	31464.0
10°	28301.0	28250.7	28101.4	28175.2	28294.3
12.5°	23908.7	23746.0	23742.7	23977.5	23945.6
15°	18111.0	17892.9	18013.7	17955.0	17923.1
17.5°	12179.1	12095.2	12256.2	12207.6	11997.9
20°	8761.2	8783.0	9089.9	8935.6	8749.4
22.5°	6393.1	6471.9	6835.8	6438.4	6292.5
25°	4256.5	4417.5	4799.9	4305.1	4169.3
27.5°	2617.9	2691.7	3079.1	2584.4	2510.6
30°	1628.5	1591.6	1774.4	1522.8	1418.8
32.5°	1068.3	1021.4	1080.1	969.4	885.5
35°	714.4	729.5	684.3	679.2	573.6
37.5°	446.1	513.2	452.8	483.0	369.0
40°	288.5	372.3	320.3	353.9	271.7
42.5°	236.5	286.8	263.3	280.1	241.5
45°	187.8	233.1	233.1	233.1	189.5
47.5°	104.0	156.0	199.6	159.3	110.7
50°	58.7	78.8	154.3	82.2	62.1
52.5°	40.3	45.3	105.7	47.0	41.9
55°	30.2	31.9	57.0	33.5	31.9
57.5°	23.5	25.2	30.2	25.2	23.5
60°	18.4	18.4	21.8	20.1	18.4
62.5°	13.4	13.4	15.1	13.4	13.4
65°	10.1	10.1	10.1	10.1	10.1
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.4	3.4	3.4	5.0
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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