

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: P773404

Luminaire Tested: LD6D90BD010-EU6DR3070959027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773404
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: LD6D90BD010-EU6DR3070959027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST 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: 9450.1 lumens
Efficiency: N/A
Efficacy: 95.6 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

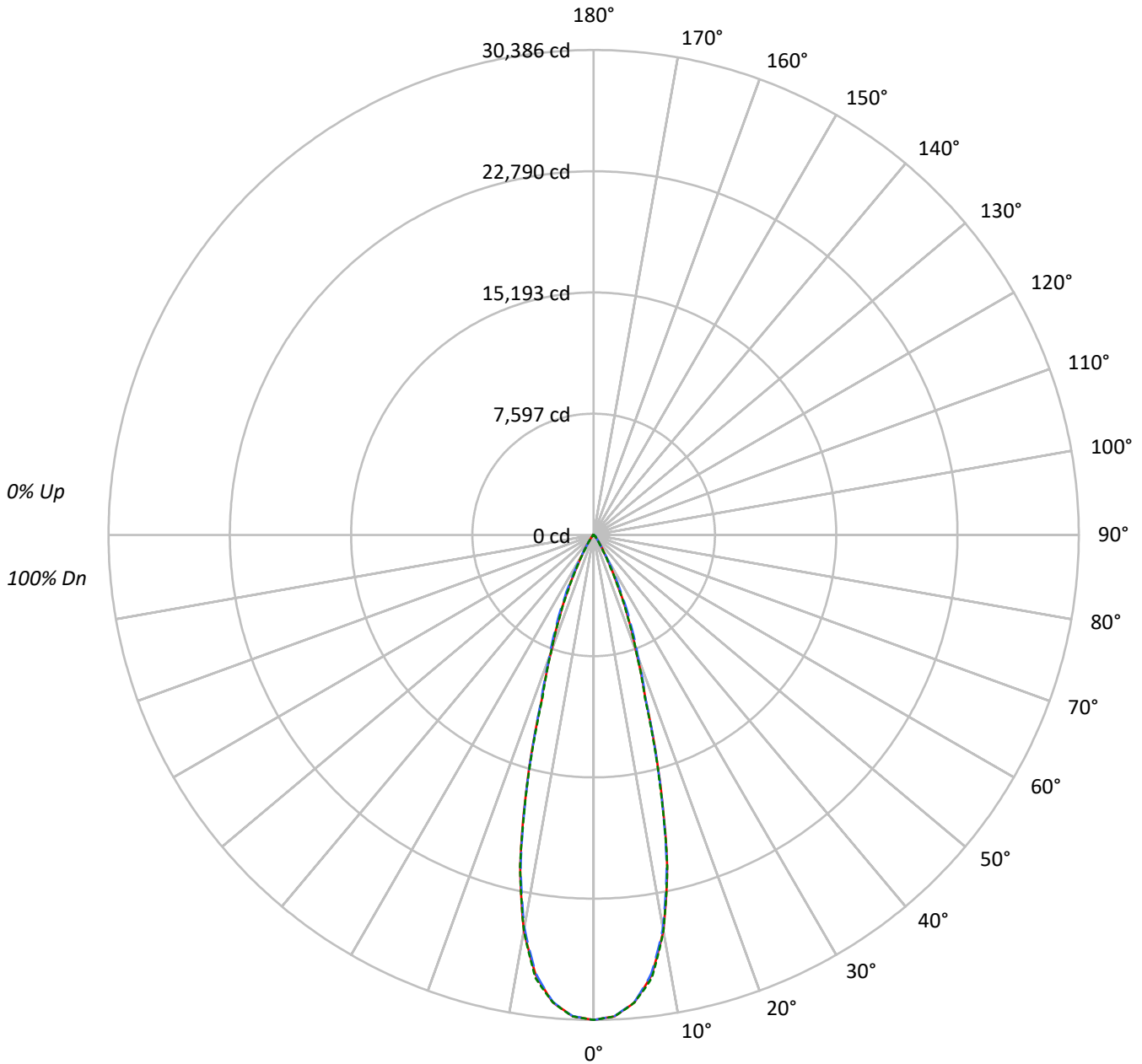
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2325886	2325886	2325886
5°	2259118	2256482	2259233
10°	1956738	1942942	1956272
15°	1276677	1269815	1263435
20°	634834	658651	633978
25°	319785	360611	313231
30°	128034	139506	111550
35°	59383	56878	47674
40°	25640	28467	24151
45°	18088	22451	18251
50°	6216	16350	6573
55°	3590	6766	3777
60°	2511	2970	2511
65°	1630	1630	1630
70°	1007	671	1007
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22451 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2672.0	28.3
10°-20°	4303.3	45.5
20°-30°	1859.6	19.7
30°-40°	423.8	4.5
40°-50°	145.5	1.5
50°-60°	35.6	0.4
60°-70°	9.2	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°	8835.0	93.5
0°-40°	9258.8	98.0
0°-60°	9439.9	99.9
0°-90°	9450.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9450.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30386	30386	30386	30386	30386	
5°	29402	29374	29368	29429	29403	2674
15°	16111	15917	16024	15972	15944	4314
25°	3786	3930	4270	3830	3709	1812
35°	636	649	609	604	510	431
45°	167	207	207	207	169	119
55°	27	28	51	30	28	26
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	30386.5	30386.5	30386.5	30386.5	30386.5
2.5°	30185.1	30164.3	30176.2	30191.1	30197.1
5°	29401.9	29373.6	29367.6	29428.8	29403.4
7.5°	27822.0	27781.7	27720.6	27859.3	27989.1
10°	25175.4	25130.7	24997.9	25063.5	25169.4
12.5°	21268.2	21123.5	21120.5	21329.4	21301.0
15°	16110.8	15916.8	16024.2	15972.0	15943.7
17.5°	10834.0	10759.4	10902.6	10859.4	10672.9
20°	7793.6	7813.0	8086.0	7948.7	7783.1
22.5°	5687.0	5757.2	6080.9	5727.3	5597.5
25°	3786.4	3929.6	4269.8	3829.6	3708.8
27.5°	2328.8	2394.5	2739.1	2299.0	2233.3
30°	1448.6	1415.8	1578.4	1354.6	1262.1
32.5°	950.3	908.6	960.8	862.3	787.7
35°	635.5	649.0	608.7	604.2	510.2
37.5°	396.8	456.5	402.8	429.7	328.2
40°	256.6	331.2	284.9	314.8	241.7
42.5°	210.4	255.1	234.2	249.1	214.8
45°	167.1	207.4	207.4	207.4	168.6
47.5°	92.5	138.7	177.5	141.7	98.5
50°	52.2	70.1	137.3	73.1	55.2
52.5°	35.8	40.3	94.0	41.8	37.3
55°	26.9	28.3	50.7	29.8	28.3
57.5°	20.9	22.4	26.9	22.4	20.9
60°	16.4	16.4	19.4	17.9	16.4
62.5°	11.9	11.9	13.4	11.9	11.9
65°	9.0	9.0	9.0	9.0	9.0
67.5°	4.5	6.0	6.0	6.0	6.0
70°	4.5	3.0	3.0	3.0	4.5
72.5°	3.0	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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