

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: P773948

Luminaire Tested: LD6D90BD010-EU6DR6570959027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6570959027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9323.6 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

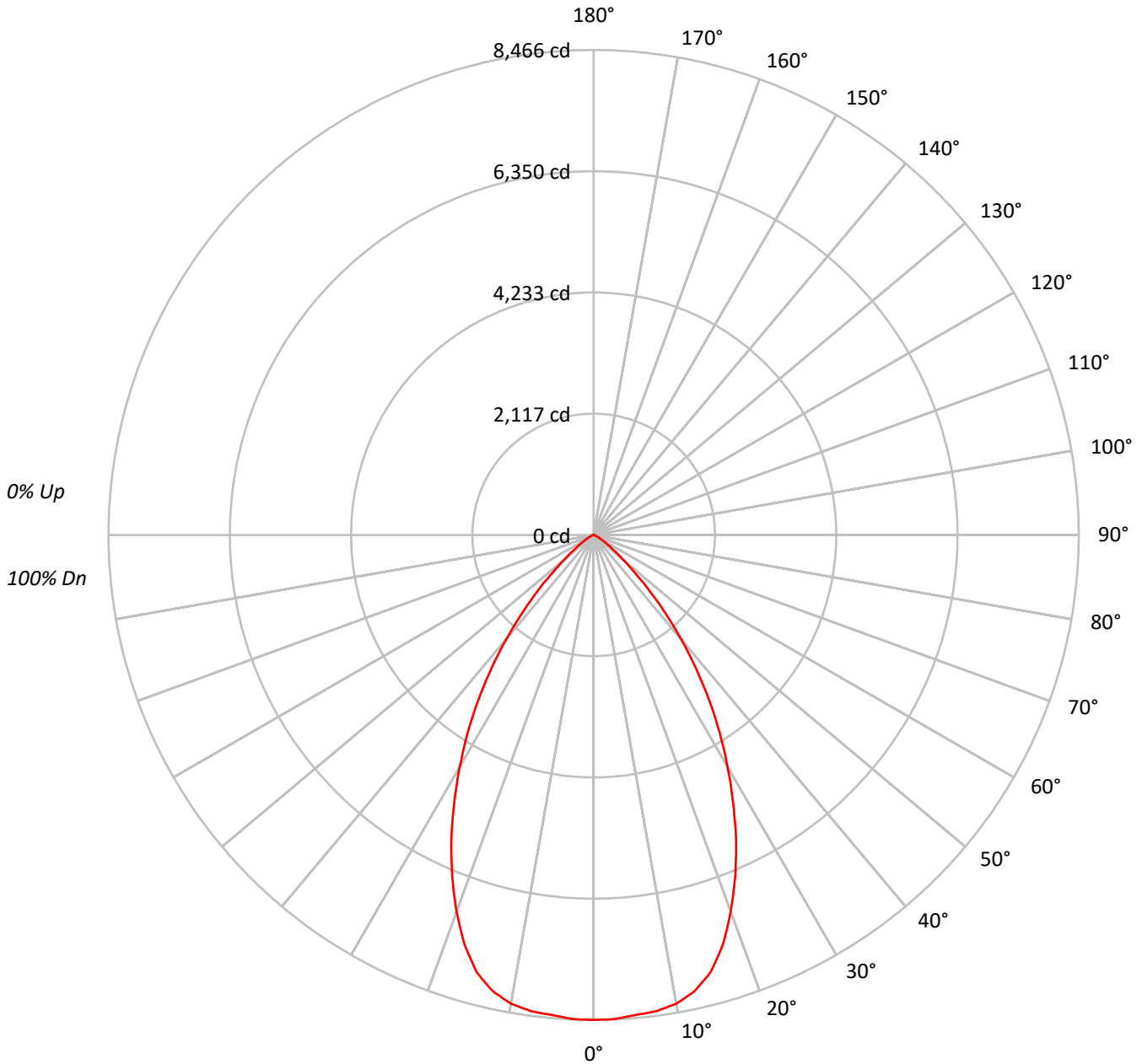
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	494424
5°	493176
10°	492758
15°	477564
20°	434766
25°	378871
30°	315115
35°	249678
40°	180210
45°	113850
50°	59341
55°	31545
60°	16563
65°	9107
70°	3825
75°	4220
80°	2926
85°	2479

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 113850 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.6	8.6
10°-20°	2192.3	23.5
20°-30°	2679.7	28.7
30°-40°	2174.2	23.3
40°-50°	1083.5	11.6
50°-60°	302.2	3.2
60°-70°	68.7	0.7
70°-80°	17.9	0.2
80°-90°	4.6	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°	5672.6	60.8
0°-40°	7846.9	84.2
0°-60°	9232.5	99.0
0°-90°	9323.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9323.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8466	
5°	8412	801
15°	7898	2192
25°	5879	2680
35°	3502	2174
45°	1378	1083
55°	310	302
65°	66	69
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8465.6
2.5°	8459.4
5°	8412.1
7.5°	8384.8
10°	8308.9
12.5°	8154.6
15°	7898.3
17.5°	7497.8
20°	6995.2
22.5°	6452.8
25°	5879.3
27.5°	5266.0
30°	4672.6
32.5°	4086.6
35°	3501.9
37.5°	2918.5
40°	2363.7
42.5°	1843.7
45°	1378.4
47.5°	960.4
50°	653.1
52.5°	450.3
55°	309.8
57.5°	209.0
60°	141.8
62.5°	98.3
65°	65.9
67.5°	33.6
70°	22.4
72.5°	21.1
75°	18.7
77.5°	12.4
80°	8.7
82.5°	6.2
85°	3.7
87.5°	2.5
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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