

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: P773989

Luminaire Tested: LD6D90BD010-EU6DR6570959040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773989
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-EU6DR6570959040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10350.0 lumens
Efficiency: N/A
Efficacy: 104.7 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

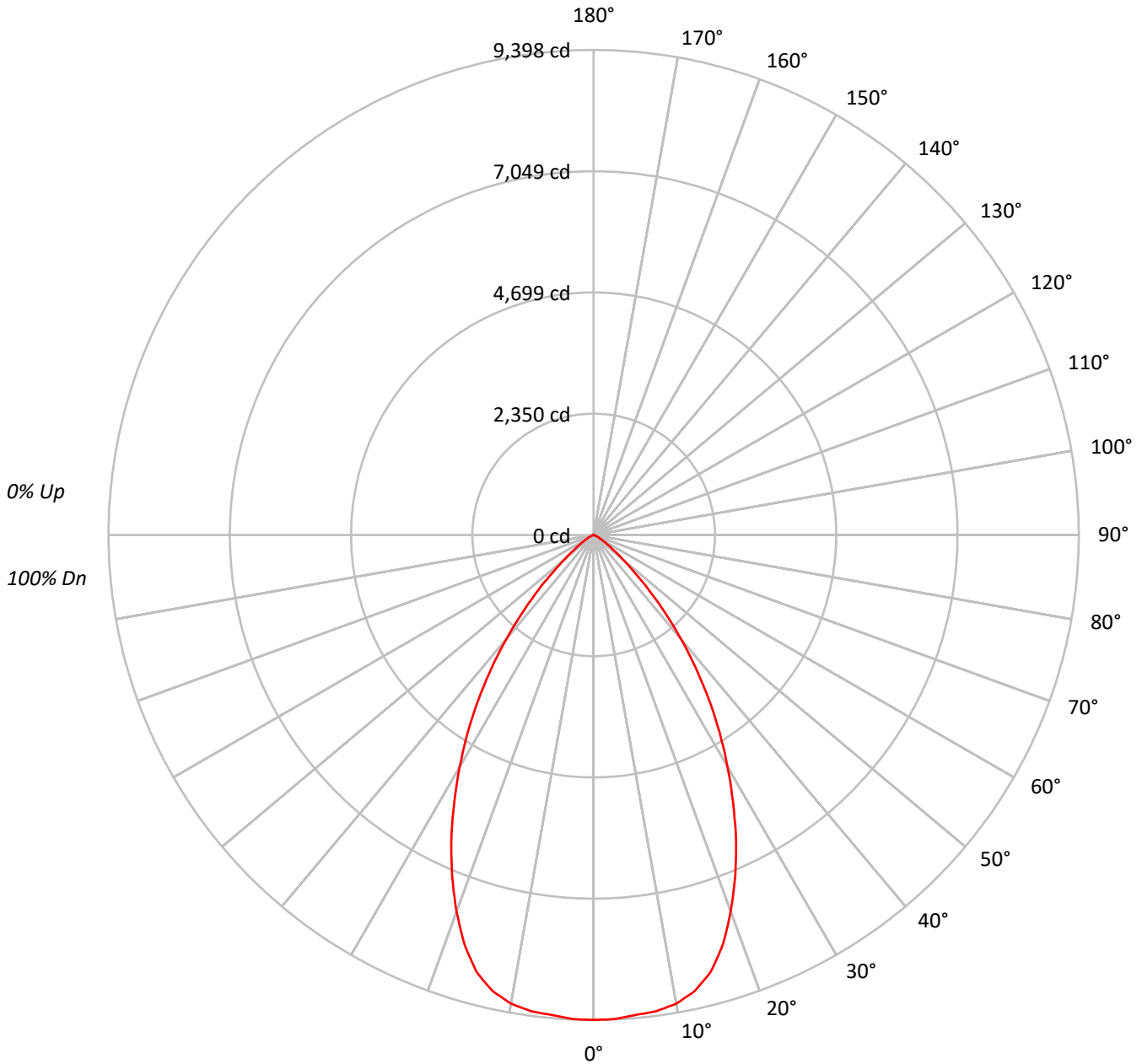
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	548850
5°	547464
10°	546998
15°	530137
20°	482623
25°	420578
30°	349799
35°	277164
40°	200048
45°	126379
50°	65874
55°	35017
60°	18386
65°	10116
70°	4252
75°	4671
80°	3262
85°	2747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 126379 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.7	8.6
10°-20°	2433.6	23.5
20°-30°	2974.7	28.7
30°-40°	2413.6	23.3
40°-50°	1202.7	11.6
50°-60°	335.5	3.2
60°-70°	76.2	0.7
70°-80°	19.9	0.2
80°-90°	5.1	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°	6297.0	60.8
0°-40°	8710.6	84.2
0°-60°	10248.9	99.0
0°-90°	10350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10350.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9398	
5°	9338	889
15°	8768	2434
25°	6526	2975
35°	3887	2414
45°	1530	1203
55°	344	335
65°	73	76
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9397.5
2.5°	9390.6
5°	9338.1
7.5°	9307.8
10°	9223.5
12.5°	9052.3
15°	8767.8
17.5°	8323.1
20°	7765.2
22.5°	7163.1
25°	6526.5
27.5°	5845.7
30°	5186.9
32.5°	4536.5
35°	3887.4
37.5°	3239.8
40°	2623.9
42.5°	2046.6
45°	1530.1
47.5°	1066.1
50°	725.0
52.5°	499.9
55°	343.9
57.5°	232.0
60°	157.4
62.5°	109.1
65°	73.2
67.5°	37.3
70°	24.9
72.5°	23.5
75°	20.7
77.5°	13.8
80°	9.7
82.5°	6.9
85°	4.1
87.5°	2.8
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)