

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: P772403

Luminaire Tested: LD6D80BD010-EU6DR6570959030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772403
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: LD6D80BD010-EU6DR6570959030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8663.9 lumens
Efficiency: N/A
Efficacy: 109.8 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

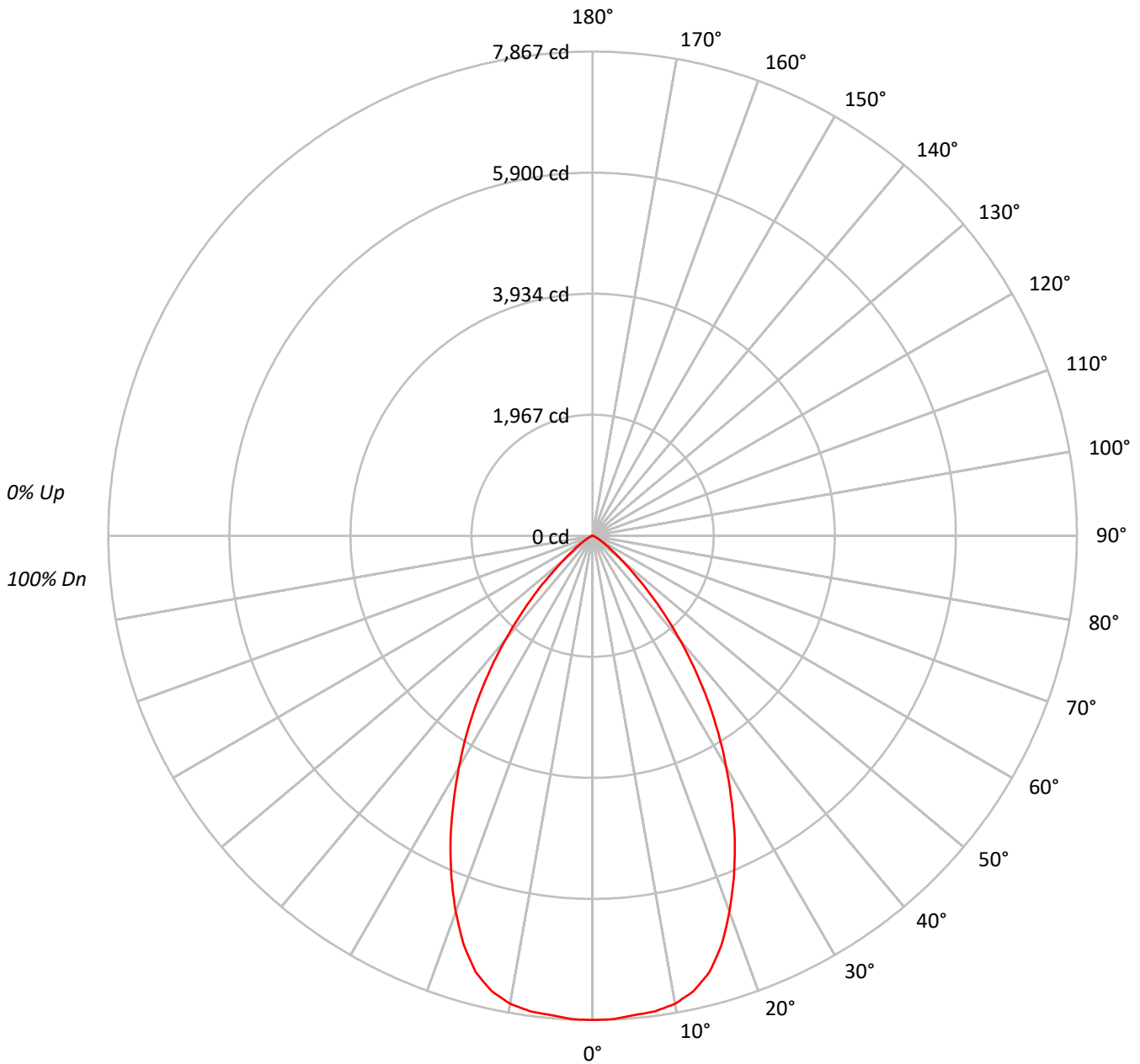
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	459440
5°	458281
10°	457887
15°	443770
20°	404001
25°	352057
30°	292813
35°	232011
40°	167455
45°	105788
50°	55143
55°	29305
60°	15395
65°	8471
70°	3552
75°	3904
80°	2724
85°	2345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 105788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.9	8.6
10°-20°	2037.2	23.5
20°-30°	2490.1	28.7
30°-40°	2020.4	23.3
40°-50°	1006.8	11.6
50°-60°	280.8	3.2
60°-70°	63.8	0.7
70°-80°	16.6	0.2
80°-90°	4.3	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°	5271.2	60.8
0°-40°	7291.6	84.2
0°-60°	8579.2	99.0
0°-90°	8663.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8663.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7867	
5°	7817	744
15°	7339	2037
25°	5463	2490
35°	3254	2020
45°	1281	1007
55°	288	281
65°	61	64
75°	17	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7866.6
2.5°	7860.8
5°	7816.9
7.5°	7791.4
10°	7720.9
12.5°	7577.6
15°	7339.4
17.5°	6967.2
20°	6500.2
22.5°	5996.2
25°	5463.2
27.5°	4893.3
30°	4341.9
32.5°	3797.5
35°	3254.1
37.5°	2712.0
40°	2196.4
42.5°	1713.2
45°	1280.8
47.5°	892.4
50°	606.9
52.5°	418.5
55°	287.8
57.5°	194.2
60°	131.8
62.5°	91.3
65°	61.3
67.5°	31.2
70°	20.8
72.5°	19.7
75°	17.3
77.5°	11.6
80°	8.1
82.5°	5.8
85°	3.5
87.5°	2.3
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)