

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: P772388

Luminaire Tested: LD6D80BD010-EU6DR6570959027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772388
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-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: 8255.6 lumens
Efficiency: N/A
Efficacy: 104.6 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

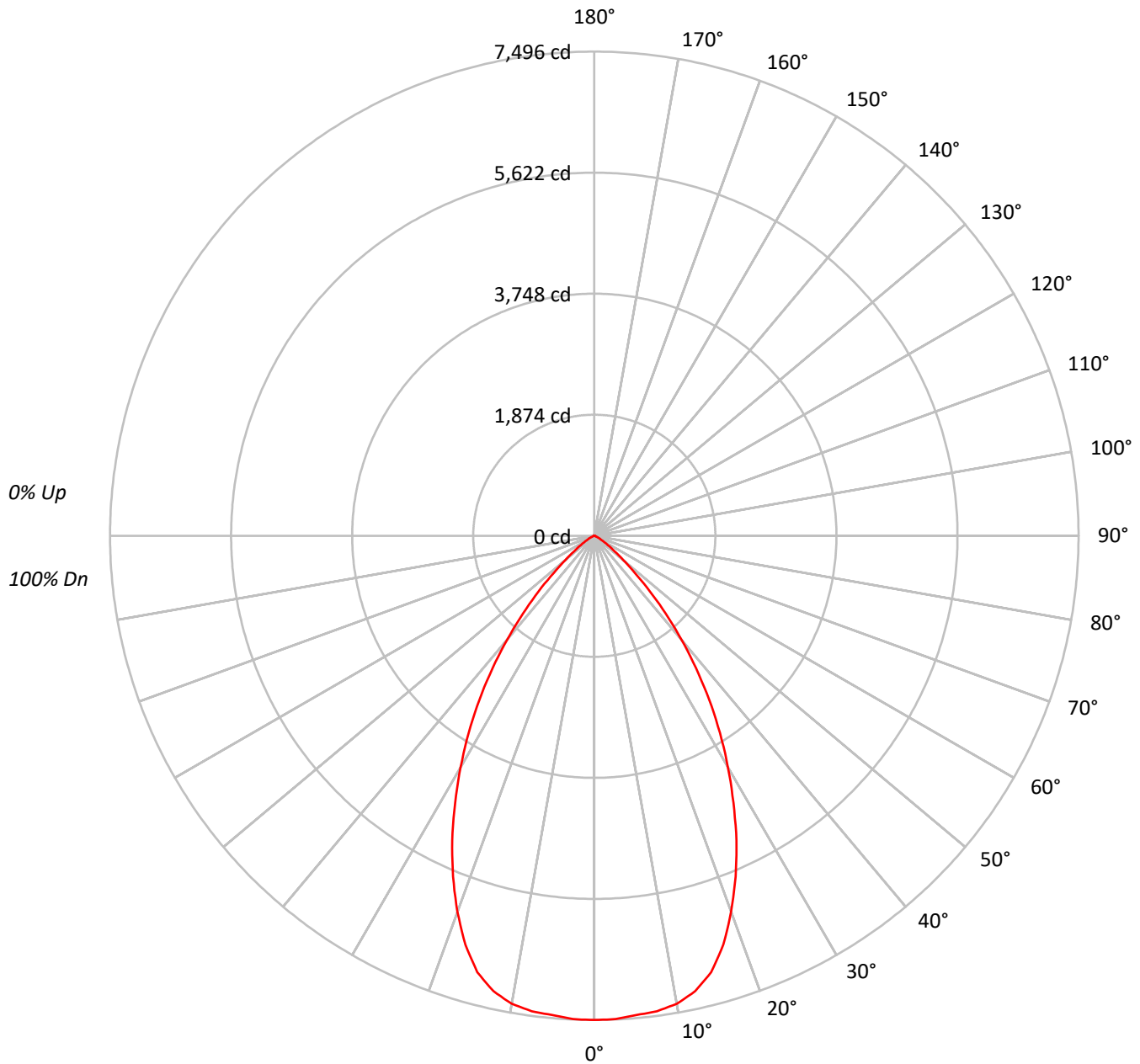
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	437790
5°	436683
10°	436312
15°	422862
20°	384964
25°	335470
30°	279015
35°	221081
40°	159564
45°	100808
50°	52545
55°	27930
60°	14671
65°	8071
70°	3381
75°	3723
80°	2590
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100808 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.9	8.6
10°-20°	1941.2	23.5
20°-30°	2372.8	28.7
30°-40°	1925.2	23.3
40°-50°	959.4	11.6
50°-60°	267.6	3.2
60°-70°	60.8	0.7
70°-80°	15.8	0.2
80°-90°	4.0	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°	5022.8	60.8
0°-40°	6948.0	84.2
0°-60°	8175.0	99.0
0°-90°	8255.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8255.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7496	
5°	7448	709
15°	6994	1941
25°	5206	2373
35°	3101	1925
45°	1220	959
55°	274	268
65°	58	61
75°	16	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7495.9
2.5°	7490.4
5°	7448.5
7.5°	7424.3
10°	7357.1
12.5°	7220.5
15°	6993.6
17.5°	6638.9
20°	6193.9
22.5°	5713.6
25°	5205.8
27.5°	4662.8
30°	4137.3
32.5°	3618.5
35°	3100.8
37.5°	2584.2
40°	2092.9
42.5°	1632.5
45°	1220.5
47.5°	850.4
50°	578.3
52.5°	398.8
55°	274.3
57.5°	185.1
60°	125.6
62.5°	87.0
65°	58.4
67.5°	29.7
70°	19.8
72.5°	18.7
75°	16.5
77.5°	11.0
80°	7.7
82.5°	5.5
85°	3.3
87.5°	2.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180°







(END OF REPORT)