

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: P774728

Luminaire Tested: LD6D95BD010-EU6DR6570959027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774728
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: LD6D95BD010-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: 9549.8 lumens
Efficiency: N/A
Efficacy: 96.3 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

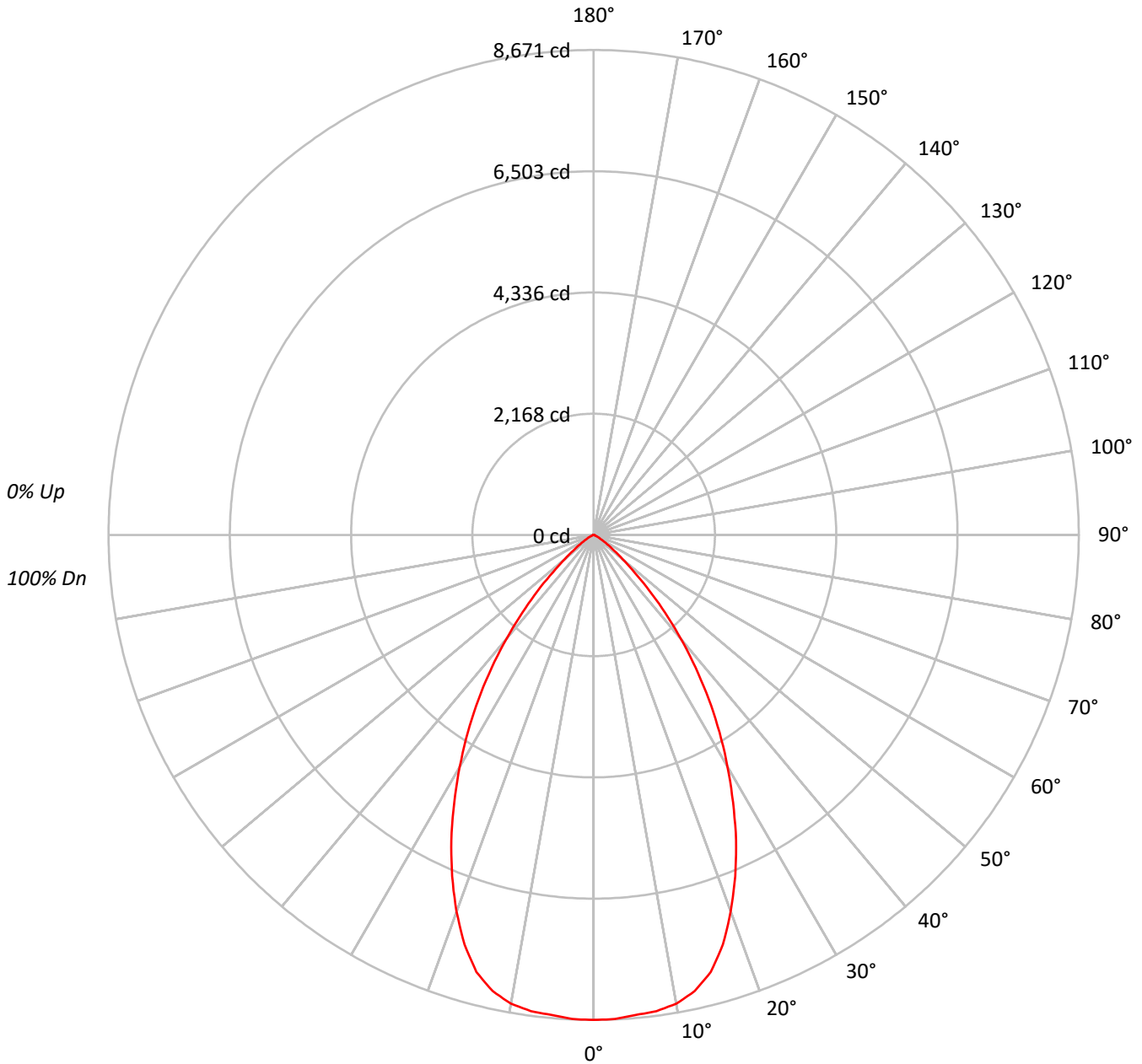
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	506420
5°	505142
10°	504708
15°	489149
20°	445314
25°	388061
30°	322756
35°	255739
40°	184579
45°	116608
50°	60786
55°	32309
60°	16972
65°	9328
70°	3910
75°	4310
80°	2993
85°	2546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 116608 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.0	8.6
10°-20°	2245.5	23.5
20°-30°	2744.7	28.7
30°-40°	2227.0	23.3
40°-50°	1109.8	11.6
50°-60°	309.6	3.2
60°-70°	70.3	0.7
70°-80°	18.3	0.2
80°-90°	4.7	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°	5810.2	60.8
0°-40°	8037.2	84.2
0°-60°	9456.5	99.0
0°-90°	9549.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9549.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8671	
5°	8616	820
15°	8090	2245
25°	6022	2745
35°	3587	2227
45°	1412	1110
55°	317	310
65°	68	70
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8671.0
2.5°	8664.6
5°	8616.2
7.5°	8588.2
10°	8510.4
12.5°	8352.4
15°	8089.9
17.5°	7679.7
20°	7164.9
22.5°	6609.3
25°	6021.9
27.5°	5393.7
30°	4785.9
32.5°	4185.8
35°	3586.9
37.5°	2989.3
40°	2421.0
42.5°	1888.4
45°	1411.8
47.5°	983.7
50°	669.0
52.5°	461.3
55°	317.3
57.5°	214.1
60°	145.3
62.5°	100.7
65°	67.5
67.5°	34.4
70°	22.9
72.5°	21.7
75°	19.1
77.5°	12.7
80°	8.9
82.5°	6.4
85°	3.8
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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(END OF REPORT)