

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: P756716

Luminaire Tested: LD4D95BD010-EU4DR6570959050-4LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756716
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: LD4D95BD010-EU4DR6570959050-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

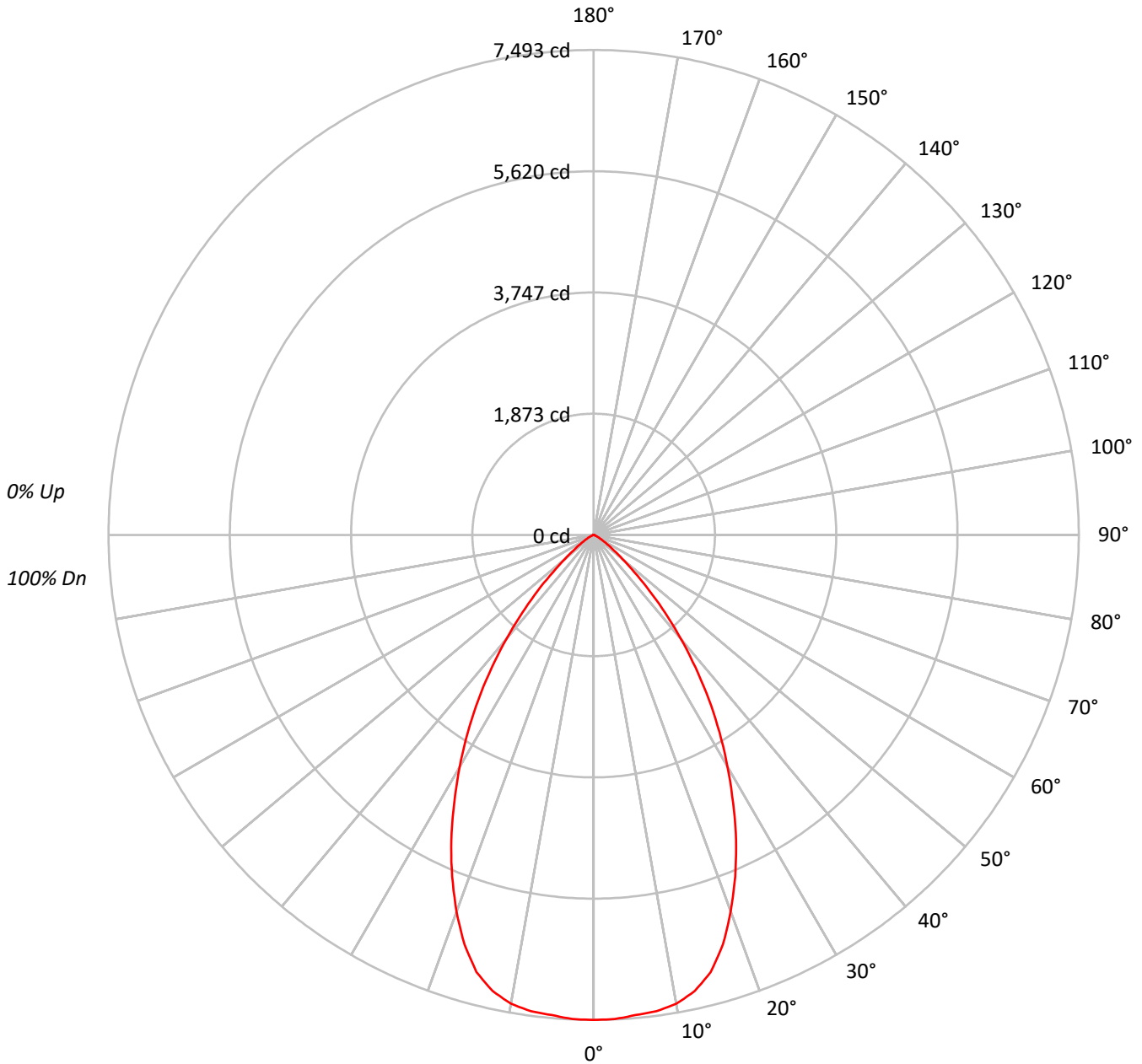
Lumens per Lamp: N/A
Luminaire Lumens: 8252.9 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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					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				
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°	437644
5°	436542
10°	436169
15°	422723
20°	384833
25°	335360
30°	278928
35°	221009
40°	159511
45°	100775
50°	52526
55°	27920
60°	14659
65°	8071
70°	3381
75°	3723
80°	2590
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 100775 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.6	8.6
10°-20°	1940.5	23.5
20°-30°	2372.0	28.7
30°-40°	1924.6	23.3
40°-50°	959.0	11.6
50°-60°	267.5	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°	5021.1	60.8
0°-40°	6945.7	84.2
0°-60°	8172.2	99.0
0°-90°	8252.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8252.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7493	
5°	7446	709
15°	6991	1941
25°	5204	2372
35°	3100	1925
45°	1220	959
55°	274	267
65°	58	61
75°	16	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7493.4
2.5°	7487.9
5°	7446.1
7.5°	7421.8
10°	7354.7
12.5°	7218.1
15°	6991.3
17.5°	6636.7
20°	6191.8
22.5°	5711.7
25°	5204.1
27.5°	4661.2
30°	4136.0
32.5°	3617.3
35°	3099.8
37.5°	2583.3
40°	2092.2
42.5°	1631.9
45°	1220.1
47.5°	850.1
50°	578.1
52.5°	398.6
55°	274.2
57.5°	185.0
60°	125.5
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

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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