

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: P756653

Luminaire Tested: LD4D95BD010-EU4DR6570959024-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756653
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-EU4DR6570959024-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6762.0 lumens
Efficiency: N/A
Efficacy: 68.2 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

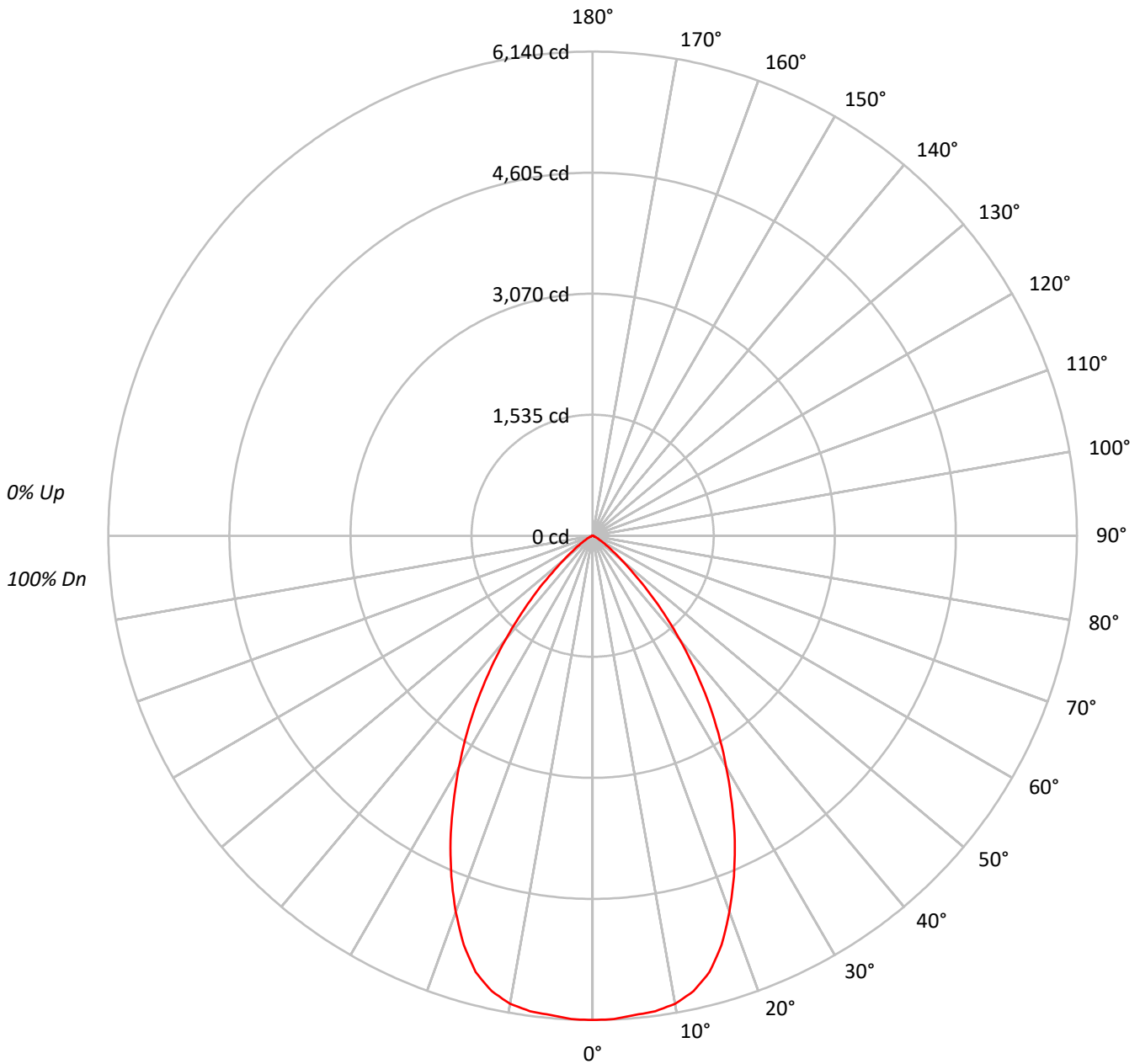
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	358582
5°	357677
10°	357377
15°	346357
20°	315316
25°	274779
30°	228537
35°	181083
40°	130700
45°	82571
50°	43041
55°	22880
60°	12020
65°	6606
70°	2766
75°	3046
80°	2119
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 82571 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.6	8.6
10°-20°	1590.0	23.5
20°-30°	1943.5	28.7
30°-40°	1576.9	23.3
40°-50°	785.8	11.6
50°-60°	219.2	3.2
60°-70°	49.8	0.7
70°-80°	12.9	0.2
80°-90°	3.3	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°	4114.1	60.8
0°-40°	5691.0	84.2
0°-60°	6696.0	99.0
0°-90°	6762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6762.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6140	
5°	6101	581
15°	5728	1590
25°	4264	1943
35°	2540	1577
45°	1000	786
55°	225	219
65°	48	50
75°	14	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6139.7
2.5°	6135.2
5°	6100.9
7.5°	6081.1
10°	6026.1
12.5°	5914.2
15°	5728.3
17.5°	5437.8
20°	5073.3
22.5°	4679.9
25°	4264.0
27.5°	3819.2
30°	3388.8
32.5°	2963.9
35°	2539.8
37.5°	2116.7
40°	1714.3
42.5°	1337.1
45°	999.7
47.5°	696.5
50°	473.7
52.5°	326.6
55°	224.7
57.5°	151.6
60°	102.9
62.5°	71.3
65°	47.8
67.5°	24.4
70°	16.2
72.5°	15.3
75°	13.5
77.5°	9.0
80°	6.3
82.5°	4.5
85°	2.7
87.5°	1.8
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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