

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: P756676

Luminaire Tested: LD4D95BD010-EU4DR6570959027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6736.3 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

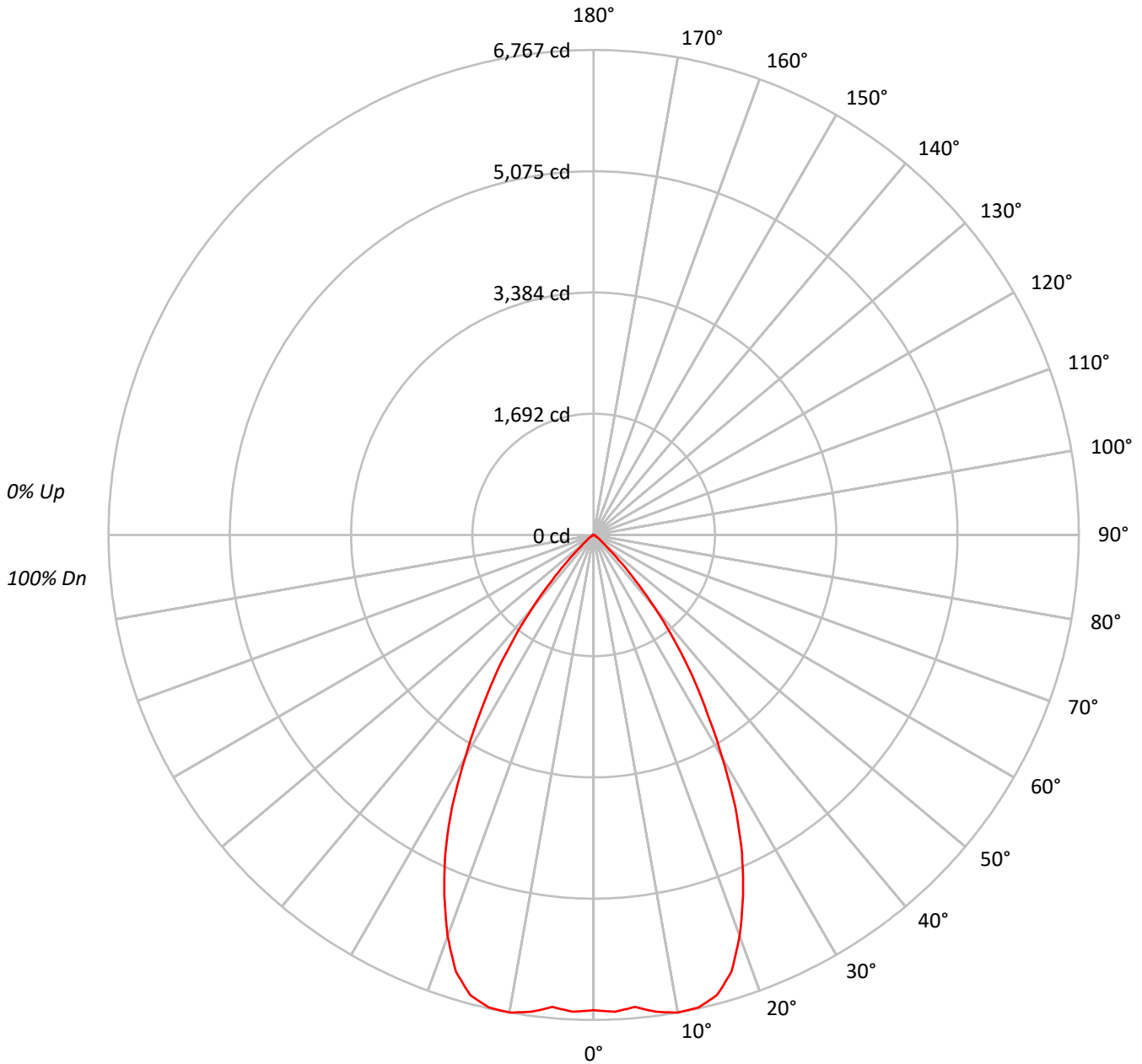
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	724650
5°	725257
10°	750785
15°	752034
20°	692370
25°	589928
30°	451615
35°	319065
40°	188328
45°	76456
50°	27724
55°	15449
60°	8850
65°	4860
70°	5111
75°	3968
80°	4153
85°	3510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 76456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.6	9.5
10°-20°	1842.2	27.3
20°-30°	2210.3	32.8
30°-40°	1485.4	22.1
40°-50°	444.6	6.6
50°-60°	78.5	1.2
60°-70°	22.3	0.3
70°-80°	10.9	0.2
80°-90°	3.5	0.1
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°	4691.1	69.6
0°-40°	6176.5	91.7
0°-60°	6699.6	99.5
0°-90°	6736.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6736.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6632	
5°	6613	639
15°	6648	1842
25°	4893	2210
35°	2392	1485
45°	495	445
55°	81	78
65°	19	22
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6632.3
2.5°	6660.6
5°	6612.6
7.5°	6712.5
10°	6767.1
12.5°	6753.9
15°	6648.4
17.5°	6390.1
20°	5954.7
22.5°	5442.0
25°	4893.4
27.5°	4274.2
30°	3579.6
32.5°	2950.0
35°	2392.1
37.5°	1840.7
40°	1320.4
42.5°	862.4
45°	494.8
47.5°	262.0
50°	163.1
52.5°	113.1
55°	81.1
57.5°	58.4
60°	40.5
62.5°	26.4
65°	18.8
67.5°	17.0
70°	16.0
72.5°	12.3
75°	9.4
77.5°	8.5
80°	6.6
82.5°	4.7
85°	2.8
87.5°	1.9
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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