

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: P756793

Luminaire Tested: LD4D95BD010-EU4DR7070959040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7733.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

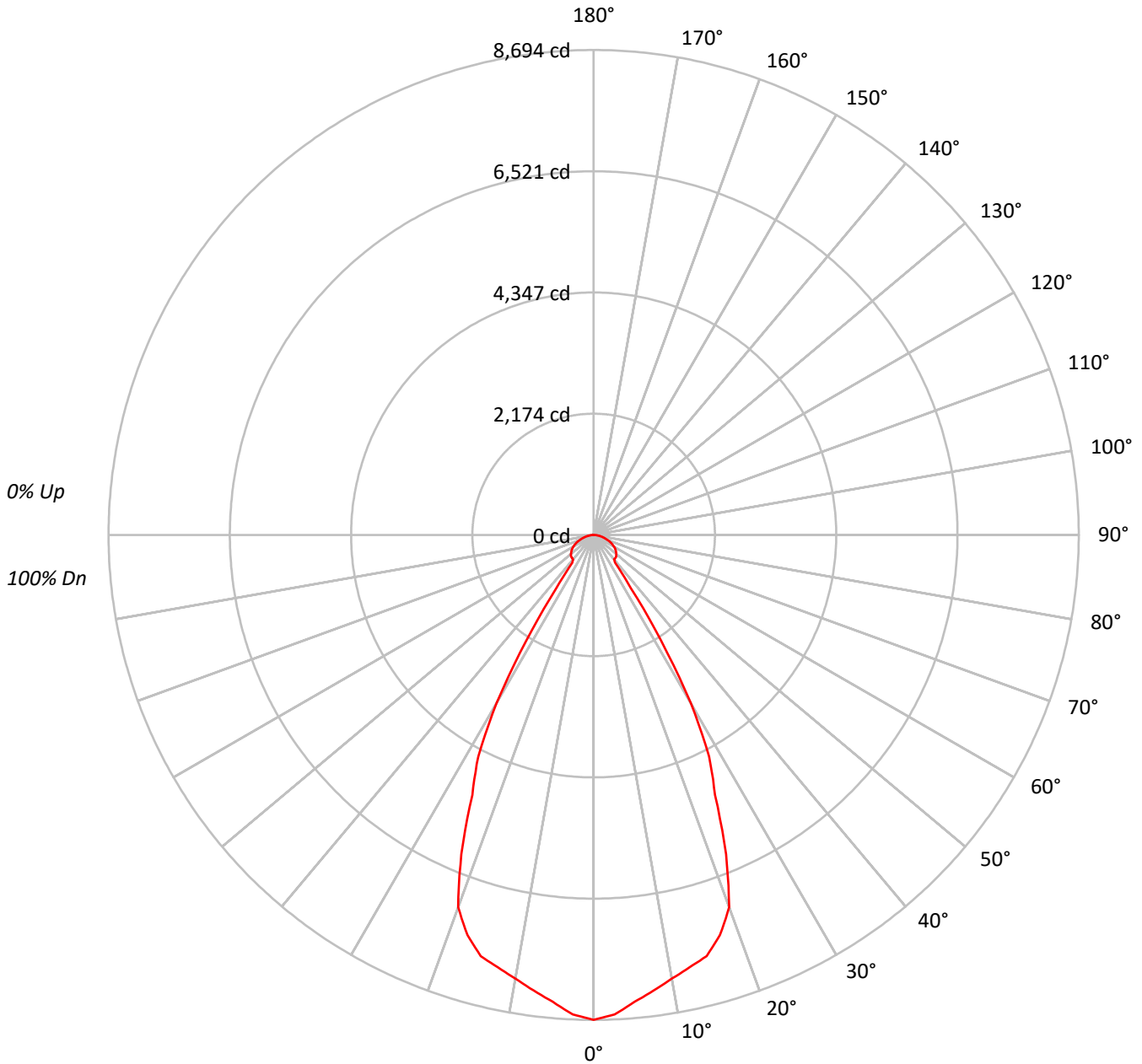
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	949924
5°	921691
10°	896002
15°	884243
20°	825712
25°	620308
30°	438506
35°	155324
40°	81670
45°	86994
50°	90089
55°	91778
60°	92347
65°	90383
70°	85295
75°	79027
80°	70157
85°	56915

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 92383 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	792.6	10.3
10°-20°	2174.2	28.1
20°-30°	2394.6	31.0
30°-40°	914.9	11.8
40°-50°	432.0	5.6
50°-60°	429.5	5.6
60°-70°	343.8	4.4
70°-80°	197.6	2.6
80°-90°	53.7	0.7
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°	5361.4	69.3
0°-40°	6276.3	81.2
0°-60°	7137.8	92.3
0°-90°	7733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7733.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8694	
5°	8404	793
15°	7817	2174
25°	5145	2395
35°	1164	915
45°	563	432
55°	482	430
65°	350	344
75°	187	198
85°	45	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8694.1
2.5°	8603.2
5°	8403.6
7.5°	8237.1
10°	8076.0
12.5°	7939.8
15°	7817.2
17.5°	7521.3
20°	7101.5
22.5°	6195.7
25°	5145.4
27.5°	4479.2
30°	3475.7
32.5°	2245.1
35°	1164.5
37.5°	629.1
40°	572.6
42.5°	568.5
45°	563.0
47.5°	550.6
50°	530.0
52.5°	506.6
55°	481.8
57.5°	454.3
60°	422.6
62.5°	386.8
65°	349.6
67.5°	308.3
70°	267.0
72.5°	225.7
75°	187.2
77.5°	147.3
80°	111.5
82.5°	78.5
85°	45.4
87.5°	17.9
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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