

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: P756718

Luminaire Tested: LD4D95BD010-EU4DR6570959050-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756718
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-EU4DR6570959050-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8407.0 lumens
Efficiency: N/A
Efficacy: 84.7 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

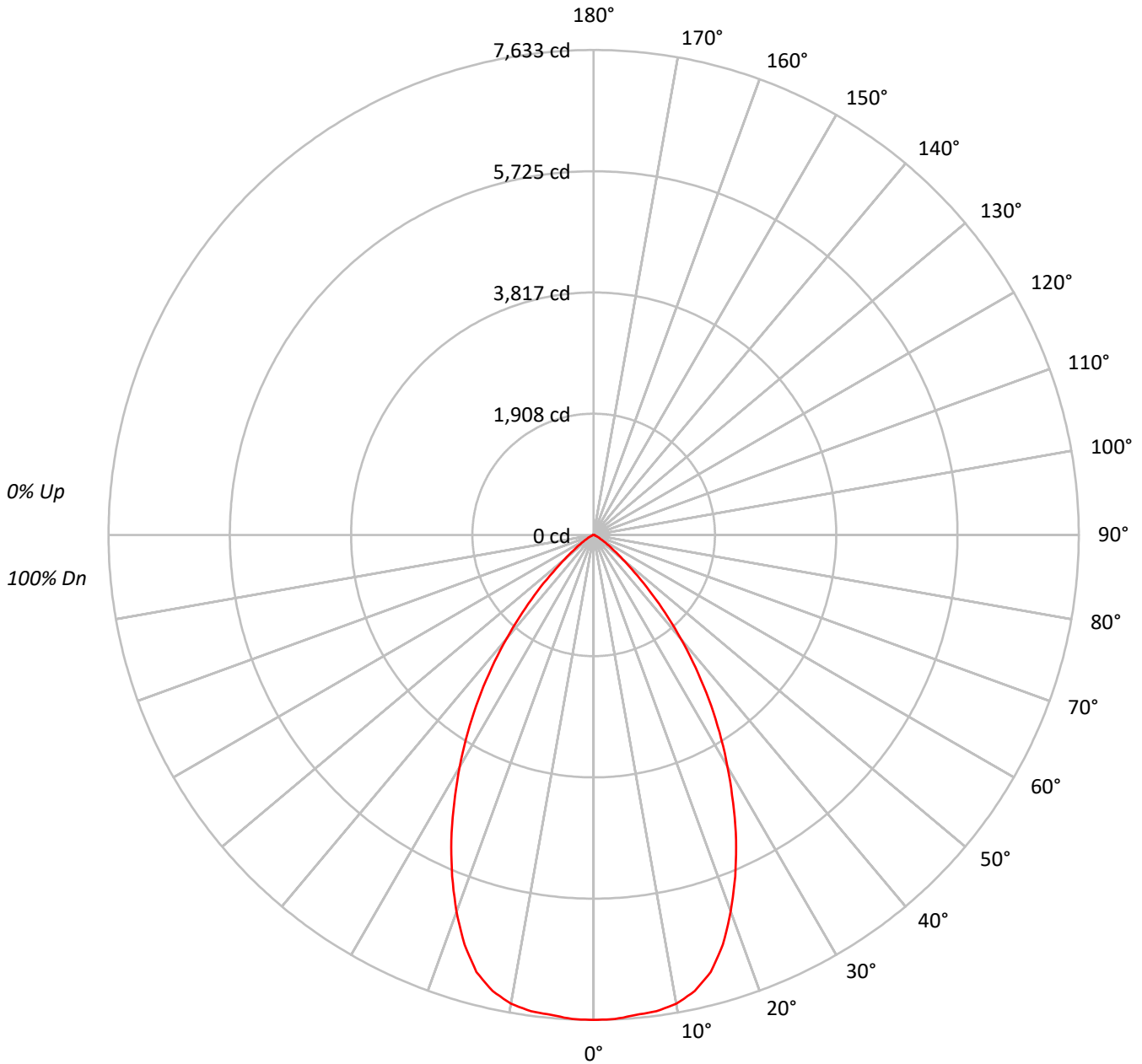
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P756718

CATALOG NUMBER: LD4D95BD010-EU4DR6570959050-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P756718

CATALOG NUMBER: LD4D95BD010-EU4DR6570959050-4LBCSSQMW

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
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°	445814
5°	444686
10°	444306
15°	430613
20°	392018
25°	341617
30°	284134
35°	225130
40°	162492
45°	102658
50°	53508
55°	28439
60°	14940
65°	8223
70°	3449
75°	3791
80°	2657
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 102658 cd/sqm



TEST NUMBER: P756718

CATALOG NUMBER: LD4D95BD010-EU4DR6570959050-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.9	8.6
10°-20°	1976.7	23.5
20°-30°	2416.2	28.7
30°-40°	1960.5	23.3
40°-50°	977.0	11.6
50°-60°	272.5	3.2
60°-70°	61.9	0.7
70°-80°	16.1	0.2
80°-90°	4.1	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°	5114.9	60.8
0°-40°	7075.3	84.2
0°-60°	8324.8	99.0
0°-90°	8407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8407.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7633	
5°	7585	722
15°	7122	1977
25°	5301	2416
35°	3158	1960
45°	1243	977
55°	279	272
65°	60	62
75°	17	16
85°	3	4
90°	0	



TEST NUMBER: P756718

CATALOG NUMBER: LD4D95BD010-EU4DR6570959050-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7633.3
2.5°	7627.7
5°	7585.0
7.5°	7560.4
10°	7491.9
12.5°	7352.8
15°	7121.8
17.5°	6760.6
20°	6307.4
22.5°	5818.3
25°	5301.2
27.5°	4748.2
30°	4213.2
32.5°	3684.8
35°	3157.6
37.5°	2631.5
40°	2131.3
42.5°	1662.4
45°	1242.9
47.5°	866.0
50°	588.9
52.5°	406.1
55°	279.3
57.5°	188.4
60°	127.9
62.5°	88.6
65°	59.5
67.5°	30.3
70°	20.2
72.5°	19.1
75°	16.8
77.5°	11.2
80°	7.9
82.5°	5.6
85°	3.4
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)