

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: P756677

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756677
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-EU4DR6570959030-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7746.8 lumens
Efficiency: N/A
Efficacy: 78.1 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

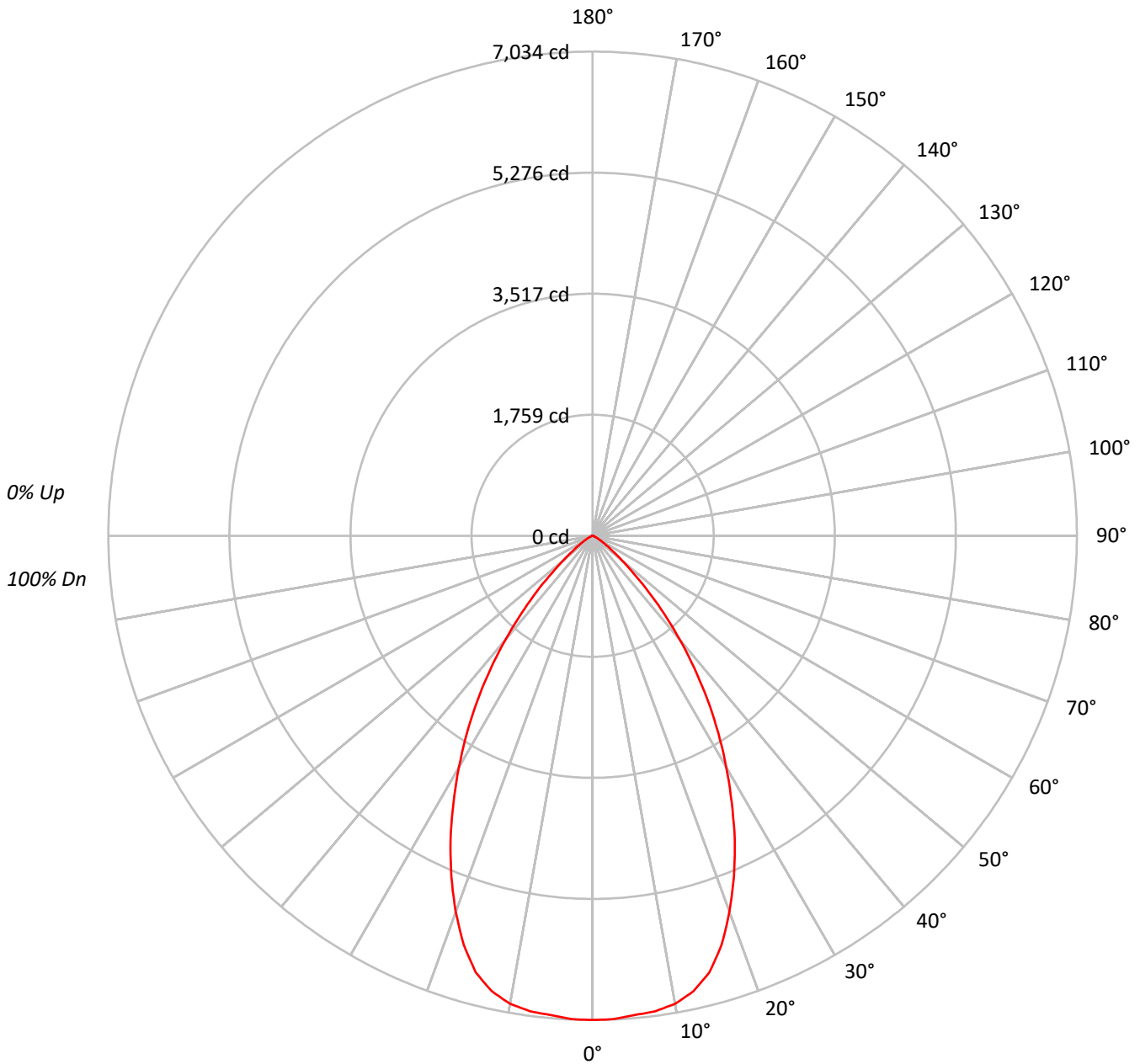
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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			100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	410807
5°	409767
10°	409417
15°	396796
20°	361234
25°	314790
30°	261818
35°	207456
40°	149729
45°	94597
50°	49310
55°	26210
60°	13760
65°	7573
70°	3176
75°	3498
80°	2422
85°	2077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 94597 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.2	8.6
10°-20°	1821.5	23.5
20°-30°	2226.5	28.7
30°-40°	1806.5	23.3
40°-50°	900.2	11.6
50°-60°	251.1	3.2
60°-70°	57.1	0.7
70°-80°	14.8	0.2
80°-90°	3.8	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°	4713.2	60.8
0°-40°	6519.8	84.2
0°-60°	7671.1	99.0
0°-90°	7746.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7746.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7034	
5°	6989	665
15°	6562	1822
25°	4885	2227
35°	2910	1807
45°	1145	900
55°	257	251
65°	55	57
75°	16	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7033.9
2.5°	7028.7
5°	6989.4
7.5°	6966.7
10°	6903.6
12.5°	6775.5
15°	6562.5
17.5°	6229.7
20°	5812.1
22.5°	5361.5
25°	4884.9
27.5°	4375.4
30°	3882.3
32.5°	3395.5
35°	2909.7
37.5°	2424.9
40°	1963.9
42.5°	1531.8
45°	1145.3
47.5°	798.0
50°	542.7
52.5°	374.2
55°	257.4
57.5°	173.7
60°	117.8
62.5°	81.7
65°	54.8
67.5°	27.9
70°	18.6
72.5°	17.6
75°	15.5
77.5°	10.3
80°	7.2
82.5°	5.2
85°	3.1
87.5°	2.1
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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