

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: P756155

Luminaire Tested: LD4D95BD010-EU4DR3070959035-4LBSQW1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR3070959035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6597.1 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

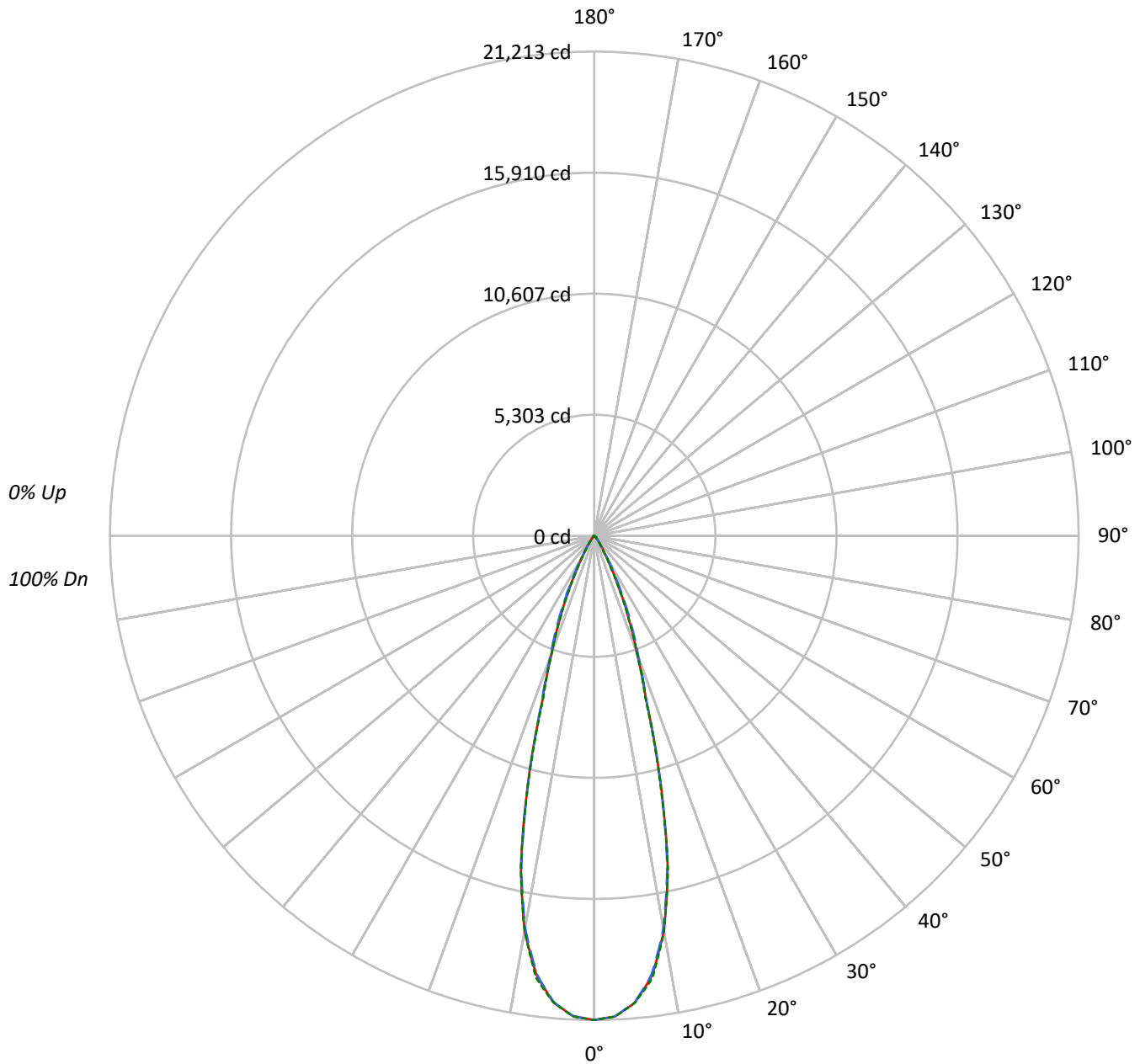
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1623715	1623715	1623715
5°	1577100	1575256	1577177
10°	1366011	1356373	1365684
15°	891252	886466	882005
20°	443176	459802	442582
25°	223243	251739	218666
30°	89383	97391	77876
35°	41460	39704	33284
40°	17896	19874	16857
45°	12622	15674	12741
50°	4346	11408	4585
55°	2496	4724	2642
60°	1760	2067	1760
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15674 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1865.4	28.3
10°-20°	3004.2	45.5
20°-30°	1298.2	19.7
30°-40°	295.9	4.5
40°-50°	101.6	1.5
50°-60°	24.8	0.4
60°-70°	6.4	0.1
70°-80°	0.7	0.0
80°-90°	0.0	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°	6167.7	93.5
0°-40°	6463.6	98.0
0°-60°	6590.0	99.9
0°-90°	6597.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6597.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21213	21213	21213	21213	21213	
5°	20526	20506	20502	20544	20527	1867
15°	11247	11112	11187	11150	11130	3012
25°	2643	2743	2981	2674	2589	1265
35°	444	453	425	422	356	301
45°	117	145	145	145	118	83
55°	19	20	35	21	20	18
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21213.0	21213.0	21213.0	21213.0	21213.0
2.5°	21072.4	21057.8	21066.1	21076.5	21080.7
5°	20525.6	20505.8	20501.6	20544.3	20526.6
7.5°	19422.6	19394.5	19351.8	19448.7	19539.3
10°	17575.1	17543.8	17451.1	17496.9	17570.9
12.5°	14847.4	14746.4	14744.3	14890.1	14870.3
15°	11247.0	11111.6	11186.6	11150.1	11130.3
17.5°	7563.3	7511.2	7611.2	7581.0	7450.8
20°	5440.7	5454.3	5644.8	5549.0	5433.4
22.5°	3970.1	4019.1	4245.1	3998.3	3907.7
25°	2643.3	2743.3	2980.7	2673.5	2589.1
27.5°	1625.8	1671.6	1912.2	1604.9	1559.1
30°	1011.3	988.4	1101.9	945.7	881.1
32.5°	663.4	634.3	670.7	602.0	549.9
35°	443.7	453.0	424.9	421.8	356.2
37.5°	277.0	318.7	281.2	299.9	229.1
40°	179.1	231.2	198.9	219.8	168.7
42.5°	146.8	178.1	163.5	173.9	150.0
45°	116.6	144.8	144.8	144.8	117.7
47.5°	64.6	96.9	123.9	98.9	68.7
50°	36.5	48.9	95.8	51.0	38.5
52.5°	25.0	28.1	65.6	29.2	26.0
55°	18.7	19.8	35.4	20.8	19.8
57.5°	14.6	15.6	18.7	15.6	14.6
60°	11.5	11.5	13.5	12.5	11.5
62.5°	8.3	8.3	9.4	8.3	8.3
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.2	4.2	4.2	4.2
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)