

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: P774169

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3070959024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8543.4 lumens
Efficiency: N/A
Efficacy: 86.1 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

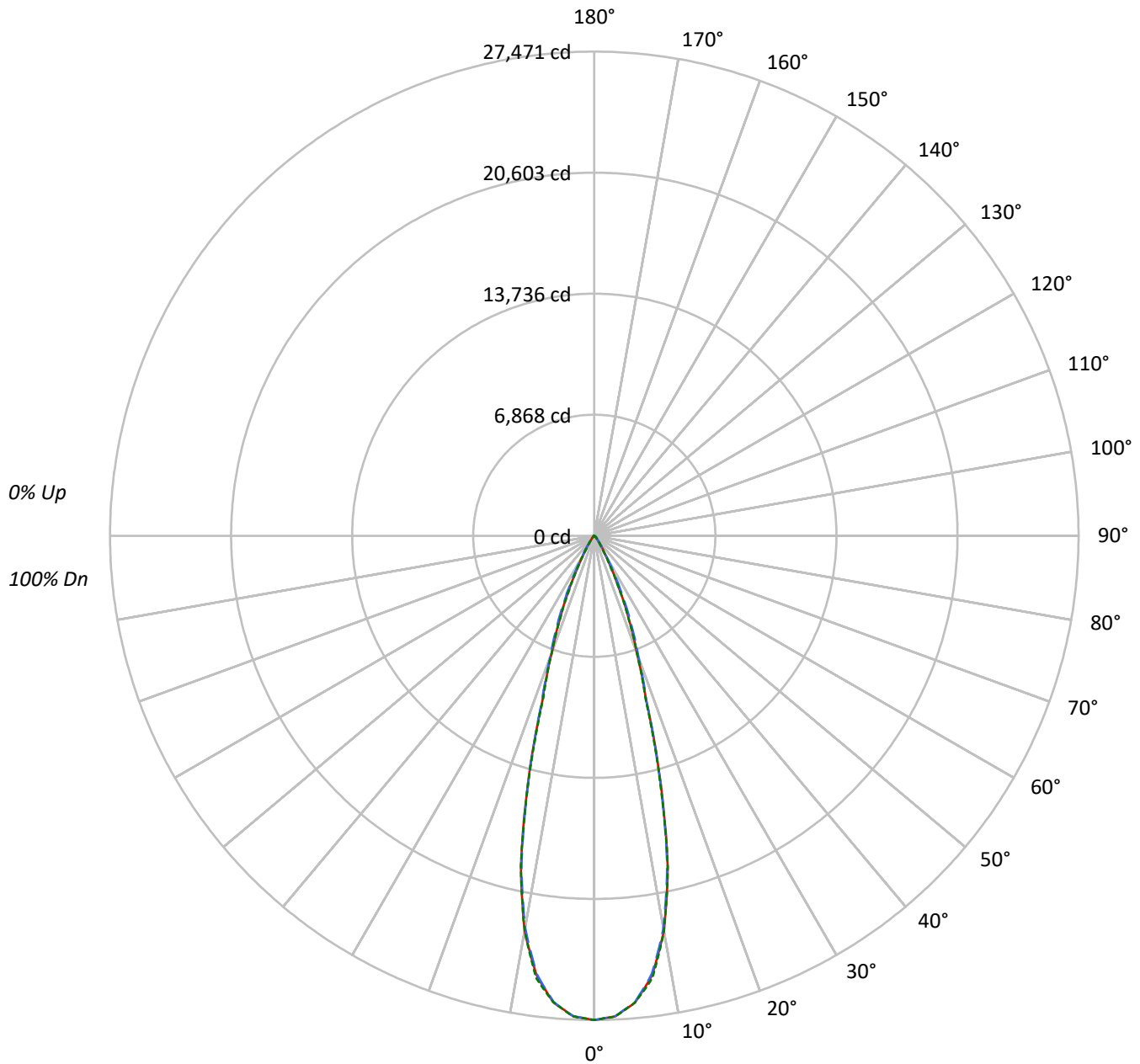
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2102739	2102739	2102739
5°	2042372	2039990	2042472
10°	1769003	1756528	1768583
15°	1154190	1147986	1142217
20°	573921	595458	573155
25°	289102	326010	283182
30°	115749	126125	100847
35°	53692	51421	43105
40°	23182	25739	21833
45°	16356	20297	16497
50°	5621	14778	5942
55°	3243	6125	3416
60°	2266	2679	2266
65°	1467	1467	1467
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20297 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2415.7	28.3
10°-20°	3890.5	45.5
20°-30°	1681.2	19.7
30°-40°	383.2	4.5
40°-50°	131.6	1.5
50°-60°	32.1	0.4
60°-70°	8.3	0.1
70°-80°	0.9	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°	7987.3	93.5
0°-40°	8370.5	98.0
0°-60°	8534.2	99.9
0°-90°	8543.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8543.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27471	27471	27471	27471	27471	
5°	26581	26555	26550	26605	26582	2418
15°	14565	14390	14487	14440	14414	3900
25°	3423	3553	3860	3462	3353	1639
35°	575	587	550	546	461	390
45°	151	188	188	188	152	107
55°	24	26	46	27	26	24
65°	8	8	8	8	8	8
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°	27471.2	27471.2	27471.2	27471.2	27471.2
2.5°	27289.1	27270.2	27281.0	27294.5	27299.9
5°	26581.0	26555.4	26550.0	26605.3	26582.3
7.5°	25152.7	25116.3	25061.0	25186.4	25303.7
10°	22760.0	22719.6	22599.5	22658.9	22754.6
12.5°	19227.7	19096.8	19094.1	19283.0	19257.3
15°	14565.1	14389.7	14486.8	14439.6	14414.0
17.5°	9794.6	9727.1	9856.6	9817.5	9648.9
20°	7045.8	7063.4	7310.2	7186.1	7036.4
22.5°	5141.4	5204.8	5497.5	5177.8	5060.5
25°	3423.1	3552.6	3860.1	3462.2	3353.0
27.5°	2105.4	2164.7	2476.3	2078.4	2019.1
30°	1309.6	1280.0	1427.0	1224.7	1141.0
32.5°	859.1	821.4	868.6	779.6	712.1
35°	574.6	586.7	550.3	546.2	461.3
37.5°	358.8	412.7	364.2	388.4	296.7
40°	232.0	299.4	257.6	284.6	218.5
42.5°	190.2	230.6	211.8	225.2	194.2
45°	151.1	187.5	187.5	187.5	152.4
47.5°	83.6	125.4	160.5	128.1	89.0
50°	47.2	63.4	124.1	66.1	49.9
52.5°	32.4	36.4	85.0	37.8	33.7
55°	24.3	25.6	45.9	27.0	25.6
57.5°	18.9	20.2	24.3	20.2	18.9
60°	14.8	14.8	17.5	16.2	14.8
62.5°	10.8	10.8	12.1	10.8	10.8
65°	8.1	8.1	8.1	8.1	8.1
67.5°	4.0	5.4	5.4	5.4	5.4
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)