

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: P774231

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774231
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-EU6DR3070959040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11555.6 lumens
Efficiency: N/A
Efficacy: 116.5 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

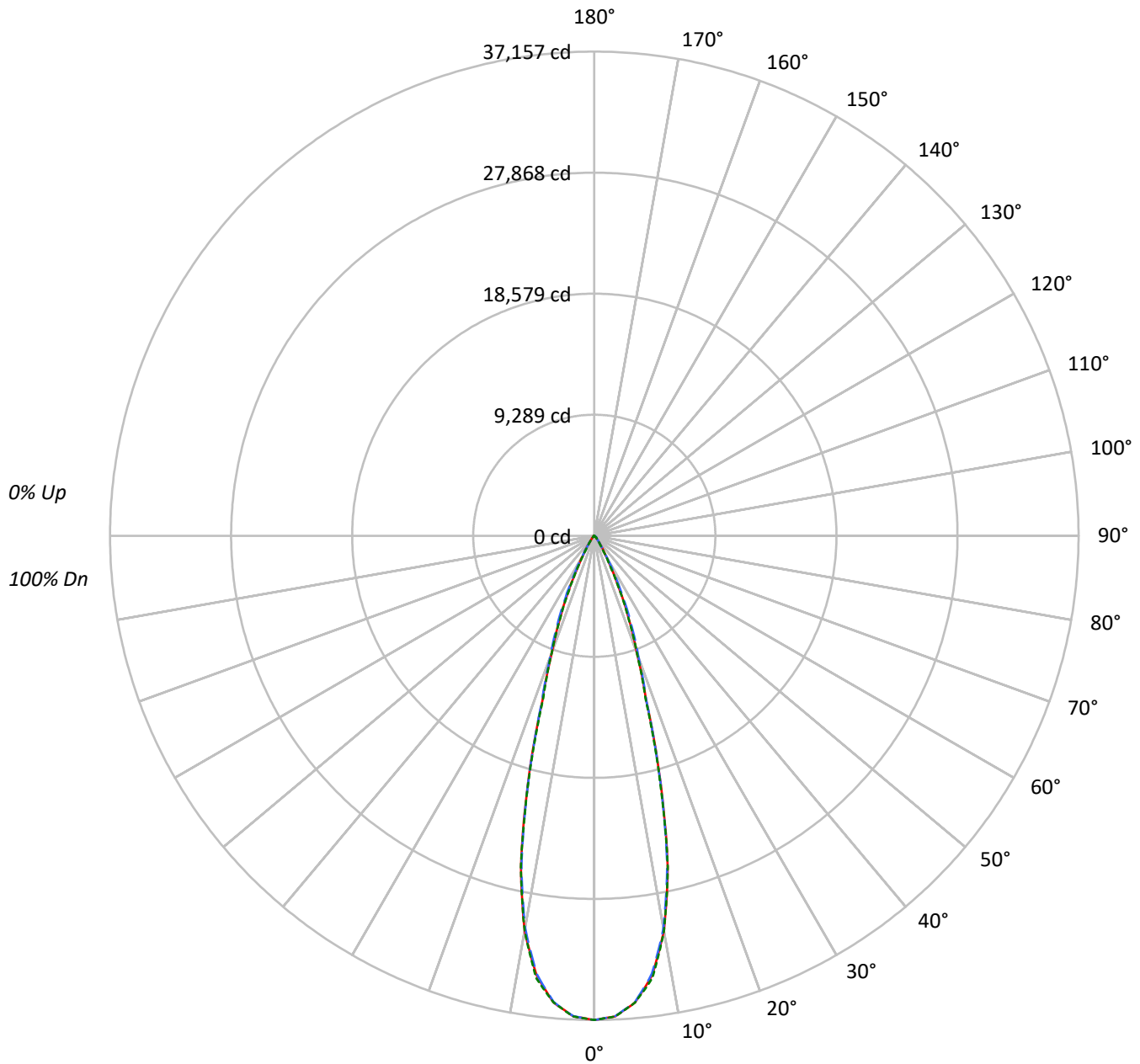


Downlight

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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°	2844115	2844115	2844115
5°	2762469	2759242	2762607
10°	2392716	2375842	2392149
15°	1561130	1552746	1544940
20°	776274	805402	775239
25°	391033	440955	383026
30°	156565	170591	136404
35°	72614	69549	58299
40°	31355	34812	29526
45°	22115	27452	22310
50°	7597	19982	8038
55°	4377	8274	4631
60°	3077	3628	3077
65°	1974	1974	1974
70°	1231	806	1231
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 27452 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3267.4	28.3
10°-20°	5262.2	45.5
20°-30°	2273.9	19.7
30°-40°	518.3	4.5
40°-50°	178.0	1.5
50°-60°	43.5	0.4
60°-70°	11.3	0.1
70°-80°	1.2	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°	10803.5	93.5
0°-40°	11321.7	98.0
0°-60°	11543.2	99.9
0°-90°	11555.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11555.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37157	37157	37157	37157	37157	
5°	35953	35918	35911	35986	35955	3270
15°	19700	19463	19595	19531	19496	5275
25°	4630	4805	5221	4683	4535	2216
35°	777	794	744	739	624	527
45°	204	254	254	254	206	145
55°	33	35	62	36	35	32
65°	11	11	11	11	11	11
75°	0	0	2	0	0	2
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°	37156.9	37156.9	37156.9	37156.9	37156.9
2.5°	36910.7	36885.1	36899.7	36917.9	36925.2
5°	35952.9	35918.2	35910.9	35985.7	35954.7
7.5°	34021.0	33971.7	33896.9	34066.6	34225.3
10°	30784.7	30730.0	30567.6	30647.9	30777.4
12.5°	26006.9	25830.0	25826.3	26081.7	26047.1
15°	19700.4	19463.2	19594.6	19530.7	19496.1
17.5°	13247.9	13156.7	13331.8	13278.9	13050.9
20°	9530.0	9553.8	9887.6	9719.8	9517.3
22.5°	6954.2	7039.9	7435.8	7003.4	6844.7
25°	4630.0	4805.2	5221.1	4682.9	4535.2
27.5°	2847.7	2928.0	3349.4	2811.2	2730.9
30°	1771.4	1731.2	1930.1	1656.4	1543.3
32.5°	1162.1	1111.0	1174.8	1054.4	963.2
35°	777.1	793.6	744.3	738.8	623.9
37.5°	485.3	558.2	492.6	525.4	401.3
40°	313.8	405.0	348.4	384.9	295.5
42.5°	257.2	312.0	286.4	304.7	262.7
45°	204.3	253.6	253.6	253.6	206.1
47.5°	113.1	169.7	217.1	173.3	120.4
50°	63.8	85.7	167.8	89.4	67.5
52.5°	43.8	49.3	114.9	51.1	45.6
55°	32.8	34.7	62.0	36.5	34.7
57.5°	25.5	27.4	32.8	27.4	25.5
60°	20.1	20.1	23.7	21.9	20.1
62.5°	14.6	14.6	16.4	14.6	14.6
65°	10.9	10.9	10.9	10.9	10.9
67.5°	5.5	7.3	7.3	7.3	7.3
70°	5.5	3.6	3.6	3.6	5.5
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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)