

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: P774190

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774190
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-EU6DR3070959027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11155.6 lumens
Efficiency: N/A
Efficacy: 112.5 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 (A_{in}): 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

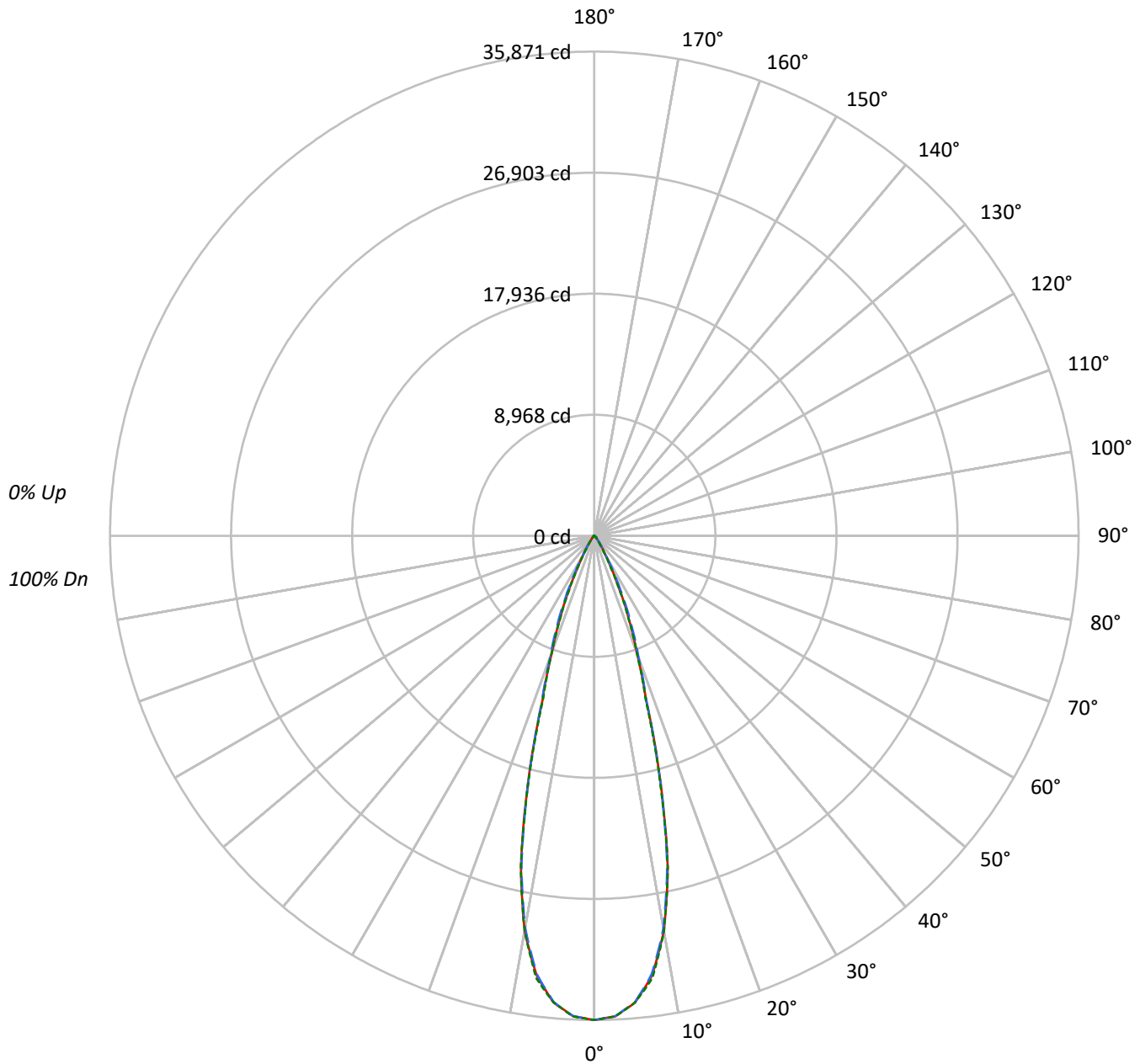


Downlight

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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					0
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°	2745665	2745665	2745665
5°	2666847	2663727	2666978
10°	2309893	2293602	2309341
15°	1507086	1498995	1491459
20°	749401	777520	748399
25°	377494	425693	369767
30°	151147	164687	131684
35°	70100	67138	56280
40°	30266	33613	28507
45°	21347	26499	21541
50°	7335	19291	7764
55°	4230	7994	4471
60°	2970	3506	2970
65°	1920	1920	1920
70°	1186	783	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 26499 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3154.3	28.3
10°-20°	5080.0	45.5
20°-30°	2195.2	19.7
30°-40°	500.3	4.5
40°-50°	171.8	1.5
50°-60°	42.0	0.4
60°-70°	10.9	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°	10429.5	93.5
0°-40°	10929.8	98.0
0°-60°	11143.6	99.9
0°-90°	11155.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11155.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35871	35871	35871	35871	35871	
5°	34708	34675	34668	34740	34710	3157
15°	19018	18790	18916	18855	18821	5092
25°	4470	4639	5040	4521	4378	2140
35°	750	766	718	713	602	509
45°	197	245	245	245	199	140
55°	32	34	60	35	34	31
65°	11	11	11	11	11	10
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°	35870.7	35870.7	35870.7	35870.7	35870.7
2.5°	35632.9	35608.3	35622.4	35640.0	35647.0
5°	34708.4	34674.9	34667.8	34740.1	34710.1
7.5°	32843.3	32795.8	32723.6	32887.3	33040.6
10°	29719.1	29666.2	29509.5	29587.0	29712.0
12.5°	25106.7	24935.8	24932.3	25178.9	25145.4
15°	19018.4	18789.5	18916.3	18854.7	18821.2
17.5°	12789.3	12701.3	12870.3	12819.3	12599.1
20°	9200.1	9223.0	9545.3	9383.3	9187.8
22.5°	6713.4	6796.2	7178.4	6761.0	6607.8
25°	4469.7	4638.8	5040.4	4520.8	4378.2
27.5°	2749.1	2826.6	3233.4	2713.9	2636.4
30°	1710.1	1671.3	1863.3	1599.1	1489.9
32.5°	1121.8	1072.5	1134.2	1017.9	929.9
35°	750.2	766.1	718.5	713.3	602.3
37.5°	468.5	538.9	475.5	507.2	387.4
40°	302.9	391.0	336.4	371.6	285.3
42.5°	248.3	301.2	276.5	294.1	253.6
45°	197.2	244.8	244.8	244.8	199.0
47.5°	109.2	163.8	209.6	167.3	116.2
50°	61.6	82.8	162.0	86.3	65.2
52.5°	42.3	47.6	111.0	49.3	44.0
55°	31.7	33.5	59.9	35.2	33.5
57.5°	24.7	26.4	31.7	26.4	24.7
60°	19.4	19.4	22.9	21.1	19.4
62.5°	14.1	14.1	15.9	14.1	14.1
65°	10.6	10.6	10.6	10.6	10.6
67.5°	5.3	7.0	7.0	7.0	7.0
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	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)