

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: P774212

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774212
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-EU6DR3070959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11033.1 lumens
Efficiency: N/A
Efficacy: 111.2 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

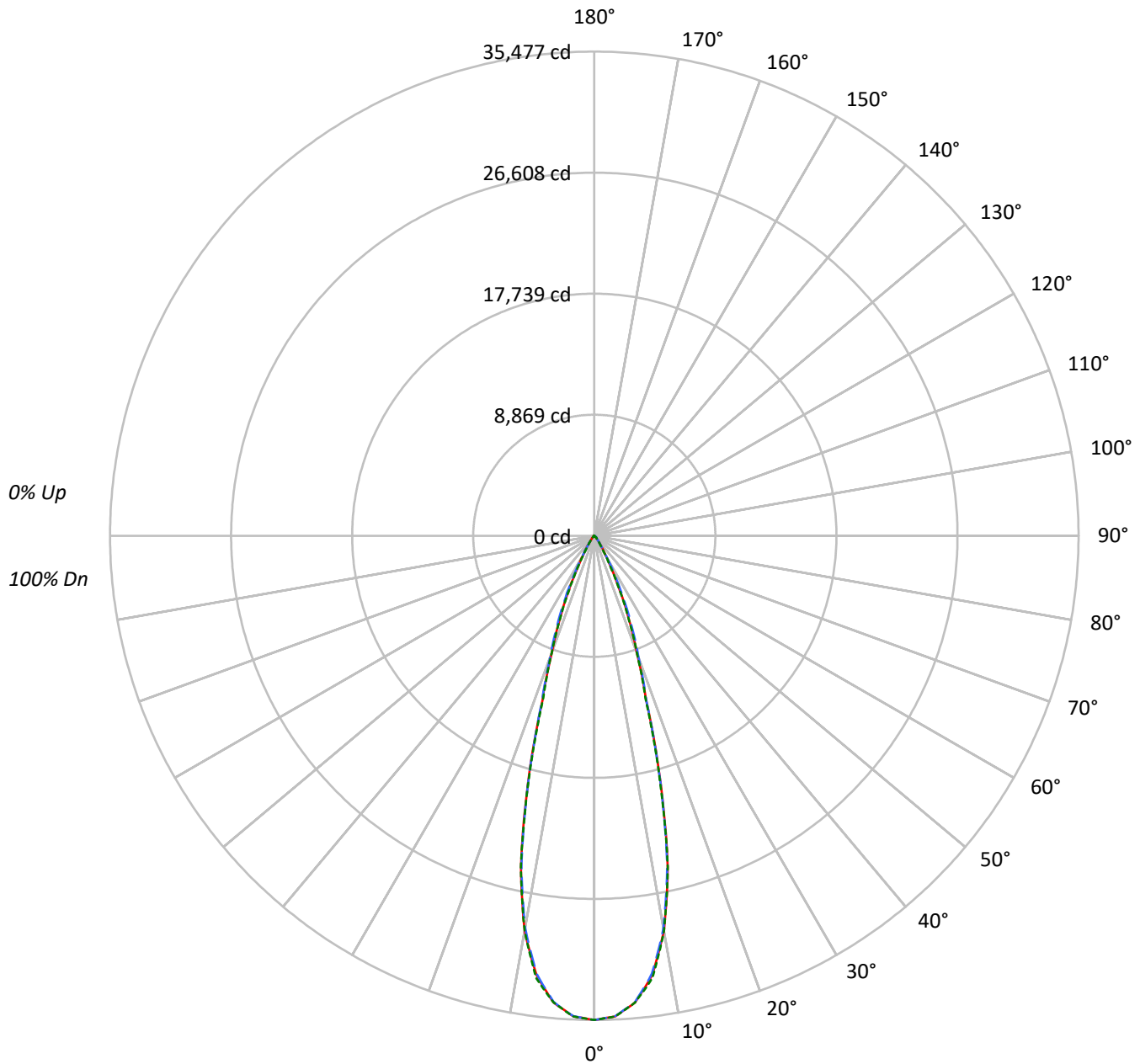


Downlight

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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°	2715515	2715515	2715515
5°	2637557	2634476	2637688
10°	2284524	2268412	2283980
15°	1490540	1482536	1475079
20°	741174	768983	740181
25°	373356	421015	365704
30°	149485	162875	130244
35°	69334	66400	55664
40°	29936	33243	28198
45°	21119	26207	21303
50°	7264	19077	7669
55°	4190	7900	4417
60°	2939	3460	2939
65°	1902	1902	1902
70°	1164	783	1164
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 26207 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3119.6	28.3
10°-20°	5024.2	45.5
20°-30°	2171.1	19.7
30°-40°	494.8	4.5
40°-50°	169.9	1.5
50°-60°	41.5	0.4
60°-70°	10.8	0.1
70°-80°	1.1	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°	10315.0	93.5
0°-40°	10809.8	98.0
0°-60°	11021.2	99.9
0°-90°	11033.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11033.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35477	35477	35477	35477	35477	
5°	34327	34294	34287	34358	34329	3122
15°	18810	18583	18709	18648	18614	5037
25°	4421	4588	4985	4471	4330	2116
35°	742	758	711	705	596	503
45°	195	242	242	242	197	138
55°	31	33	59	35	33	31
65°	10	10	10	10	10	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°	35476.8	35476.8	35476.8	35476.8	35476.8
2.5°	35241.6	35217.2	35231.2	35248.6	35255.6
5°	34327.2	34294.1	34287.1	34358.5	34328.9
7.5°	32482.6	32435.6	32364.2	32526.2	32677.7
10°	29392.7	29340.4	29185.4	29262.1	29385.7
12.5°	24830.9	24662.0	24658.5	24902.4	24869.3
15°	18809.6	18583.1	18708.6	18647.6	18614.5
17.5°	12648.9	12561.8	12729.0	12678.5	12460.8
20°	9099.1	9121.7	9440.5	9280.3	9086.9
22.5°	6639.7	6721.6	7099.5	6686.7	6535.2
25°	4420.7	4587.9	4985.0	4471.2	4330.1
27.5°	2718.9	2795.6	3197.9	2684.1	2607.5
30°	1691.3	1653.0	1842.8	1581.5	1473.6
32.5°	1109.5	1060.7	1121.7	1006.8	919.7
35°	742.0	757.7	710.6	705.4	595.7
37.5°	463.3	533.0	470.3	501.6	383.2
40°	299.6	386.7	332.7	367.5	282.2
42.5°	245.6	297.8	273.5	290.9	250.8
45°	195.1	242.1	242.1	242.1	196.8
47.5°	108.0	162.0	207.3	165.5	115.0
50°	61.0	81.9	160.2	85.3	64.4
52.5°	41.8	47.0	109.7	48.8	43.5
55°	31.4	33.1	59.2	34.8	33.1
57.5°	24.4	26.1	31.4	26.1	24.4
60°	19.2	19.2	22.6	20.9	19.2
62.5°	13.9	13.9	15.7	13.9	13.9
65°	10.5	10.5	10.5	10.5	10.5
67.5°	5.2	7.0	7.0	7.0	7.0
70°	5.2	3.5	3.5	3.5	5.2
72.5°	3.5	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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)