

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: P774238

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774238
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-EU6DR3070959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11631.4 lumens
Efficiency: N/A
Efficacy: 117.3 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

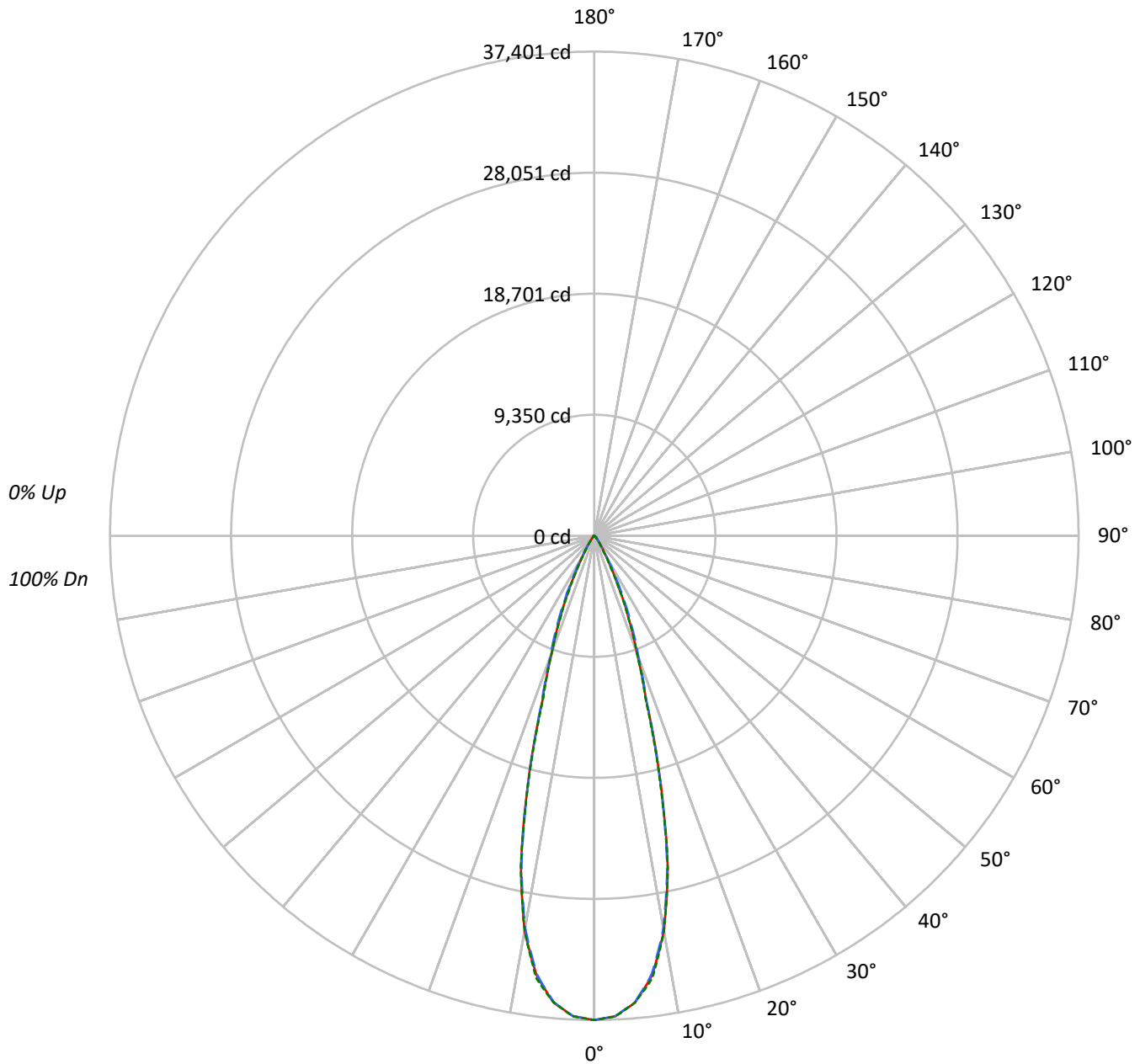


Downlight

TEST NUMBER: P774238

CATALOG NUMBER: LD6D95BD010-EU6DR3070959050-6LBDP1H

Luminous Intensity Polar Plot



TEST NUMBER: P774238

CATALOG NUMBER: LD6D95BD010-EU6DR3070959050-6LBDP1H

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85		
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82		
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79		
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2862769	2862769	2862769
5°	2780587	2777344	2780725
10°	2408409	2391426	2407841
15°	1571368	1562929	1555068
20°	781365	810681	780322
25°	393600	443843	385535
30°	157590	171705	137306
35°	73091	70007	58682
40°	31555	35042	29726
45°	22267	27625	22462
50°	7657	20113	8086
55°	4417	8327	4657
60°	3092	3659	3092
65°	1992	1992	1992
70°	1231	828	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: 27625 cd/sqm

TEST NUMBER: P774238

CATALOG NUMBER: LD6D95BD010-EU6DR3070959050-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3288.8	28.3
10°-20°	5296.7	45.5
20°-30°	2288.8	19.7
30°-40°	521.7	4.5
40°-50°	179.1	1.5
50°-60°	43.8	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°	10874.3	93.5
0°-40°	11396.0	98.0
0°-60°	11618.9	99.9
0°-90°	11631.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11631.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37401	37401	37401	37401	37401	
5°	36189	36154	36146	36222	36190	3292
15°	19830	19591	19723	19659	19624	5310
25°	4660	4837	5255	4714	4565	2231
35°	782	799	749	744	628	531
45°	206	255	255	255	208	146
55°	33	35	62	37	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	



TEST NUMBER: P774238

CATALOG NUMBER: LD6D95BD010-EU6DR3070959050-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	37400.6	37400.6	37400.6	37400.6	37400.6
2.5°	37152.7	37127.0	37141.7	37160.1	37167.4
5°	36188.7	36153.8	36146.5	36221.8	36190.5
7.5°	34244.1	34194.5	34119.3	34290.0	34449.8
10°	30986.6	30931.5	30768.1	30848.9	30979.3
12.5°	26177.5	25999.4	25995.7	26252.8	26217.9
15°	19829.6	19590.9	19723.1	19658.8	19623.9
17.5°	13334.8	13243.0	13419.3	13366.0	13136.5
20°	9592.5	9616.4	9952.4	9783.5	9579.7
22.5°	6999.8	7086.1	7484.5	7049.3	6889.6
25°	4660.4	4836.7	5255.3	4713.6	4564.9
27.5°	2866.4	2947.2	3371.3	2829.7	2748.9
30°	1783.0	1742.6	1942.7	1667.3	1553.5
32.5°	1169.7	1118.3	1182.5	1061.3	969.5
35°	782.2	798.8	749.2	743.7	628.0
37.5°	488.4	561.9	495.8	528.8	404.0
40°	315.8	407.6	350.7	387.4	297.5
42.5°	258.9	314.0	288.3	306.7	264.4
45°	205.7	255.2	255.2	255.2	207.5
47.5°	113.8	170.8	218.5	174.4	121.2
50°	64.3	86.3	168.9	90.0	67.9
52.5°	44.1	49.6	115.7	51.4	45.9
55°	33.1	34.9	62.4	36.7	34.9
57.5°	25.7	27.5	33.1	27.5	25.7
60°	20.2	20.2	23.9	22.0	20.2
62.5°	14.7	14.7	16.5	14.7	14.7
65°	11.0	11.0	11.0	11.0	11.0
67.5°	5.5	7.3	7.3	7.3	7.3
70°	5.5	3.7	3.7	3.7	5.5
72.5°	3.7	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)