

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: P774201

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774201
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-EU6DR3070959030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9739.6 lumens
Efficiency: N/A
Efficacy: 98.2 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

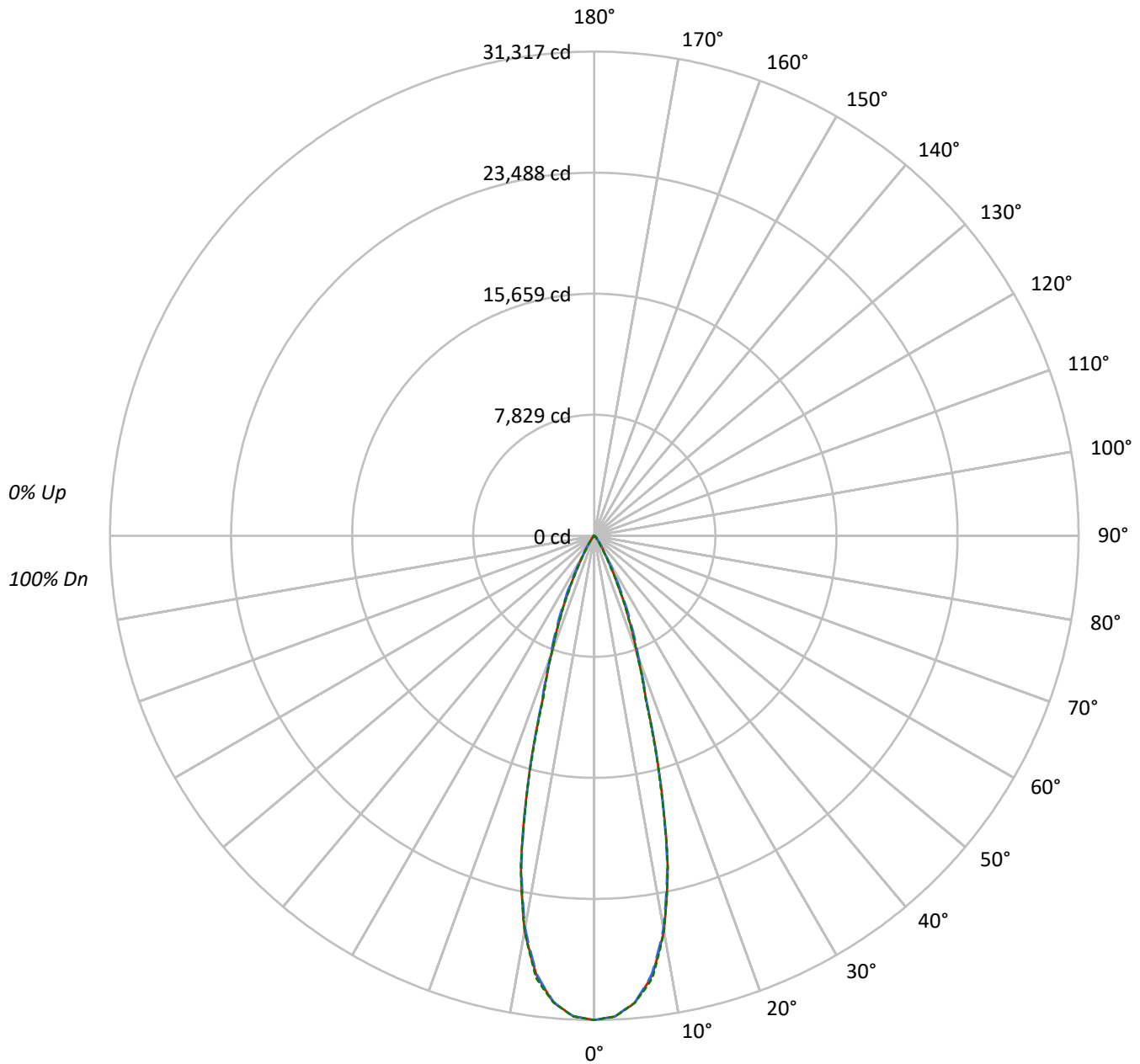


Downlight

TEST NUMBER: P774201

CATALOG NUMBER: LD6D95BD010-EU6DR3070959030-6LBDP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P774201

CATALOG NUMBER: LD6D95BD010-EU6DR3070959030-6LBDP1MW

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°	2397140	2397140	2397140
5°	2328324	2325604	2328439
10°	2016679	2002463	2016205
15°	1315784	1308715	1302138
20°	654277	678828	653398
25°	329582	371650	322826
30°	131958	143784	114971
35°	61205	58616	49141
40°	26429	29347	24890
45°	18640	23133	18803
50°	6407	16850	6776
55°	3697	6979	3897
60°	2587	3062	2587
65°	1666	1666	1666
70°	1029	694	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23133 cd/sqm

TEST NUMBER: P774201

CATALOG NUMBER: LD6D95BD010-EU6DR3070959030-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2753.9	28.3
10°-20°	4435.2	45.5
20°-30°	1916.6	19.7
30°-40°	436.8	4.5
40°-50°	150.0	1.5
50°-60°	36.6	0.4
60°-70°	9.5	0.1
70°-80°	1.0	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°	9105.6	93.5
0°-40°	9542.4	98.0
0°-60°	9729.1	99.9
0°-90°	9739.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9739.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31317	31317	31317	31317	31317	
5°	30303	30273	30267	30330	30304	2756
15°	16604	16404	16515	16461	16432	4446
25°	3902	4050	4400	3947	3822	1868
35°	655	669	627	623	526	444
45°	172	214	214	214	174	122
55°	28	29	52	31	29	27
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P774201

CATALOG NUMBER: LD6D95BD010-EU6DR3070959030-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	31317.4	31317.4	31317.4	31317.4	31317.4
2.5°	31109.8	31088.3	31100.6	31116.0	31122.1
5°	30302.6	30273.4	30267.2	30330.3	30304.1
7.5°	28674.3	28632.8	28569.7	28712.7	28846.5
10°	25946.6	25900.5	25763.7	25831.3	25940.5
12.5°	21919.7	21770.6	21767.5	21982.8	21953.5
15°	16604.3	16404.4	16515.1	16461.3	16432.1
17.5°	11165.9	11089.0	11236.6	11192.0	10999.8
20°	8032.3	8052.3	8333.7	8192.2	8021.5
22.5°	5861.2	5933.5	6267.2	5902.8	5769.0
25°	3902.4	4050.0	4400.5	3947.0	3822.4
27.5°	2400.2	2467.8	2823.0	2369.4	2301.8
30°	1493.0	1459.2	1626.8	1396.1	1300.8
32.5°	979.4	936.4	990.2	888.7	811.8
35°	655.0	668.8	627.3	622.7	525.9
37.5°	409.0	470.5	415.1	442.8	338.3
40°	264.5	341.3	293.7	324.4	249.1
42.5°	216.8	262.9	241.4	256.8	221.4
45°	172.2	213.7	213.7	213.7	173.7
47.5°	95.3	143.0	183.0	146.1	101.5
50°	53.8	72.3	141.5	75.3	56.9
52.5°	36.9	41.5	96.9	43.1	38.4
55°	27.7	29.2	52.3	30.8	29.2
57.5°	21.5	23.1	27.7	23.1	21.5
60°	16.9	16.9	20.0	18.5	16.9
62.5°	12.3	12.3	13.8	12.3	12.3
65°	9.2	9.2	9.2	9.2	9.2
67.5°	4.6	6.2	6.2	6.2	6.2
70°	4.6	3.1	3.1	3.1	4.6
72.5°	3.1	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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)