

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: P774241

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774241
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-EU6DR3070959050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11479.3 lumens
Efficiency: N/A
Efficacy: 115.7 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

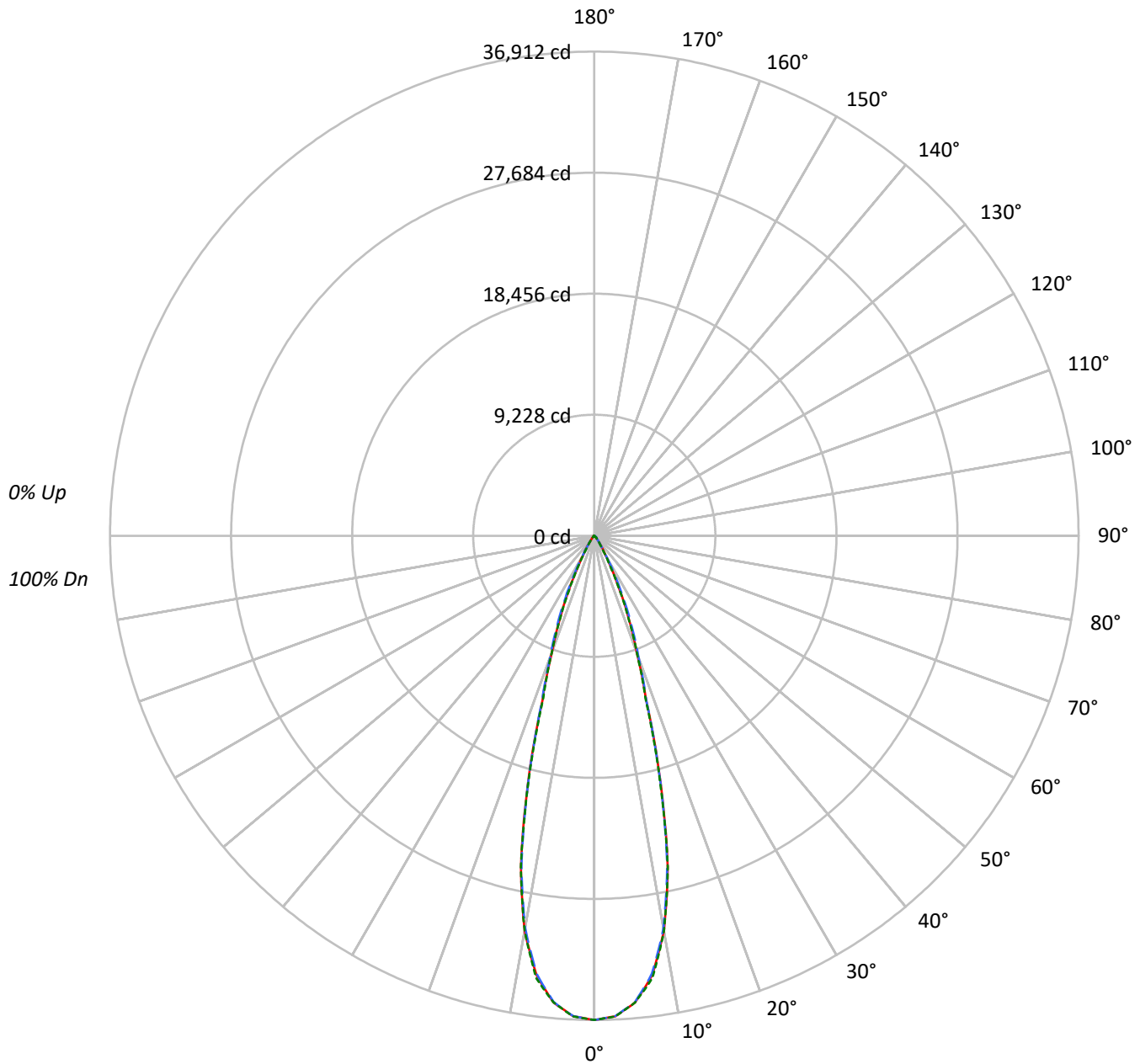


Downlight

TEST NUMBER: P774241

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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	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°	2825339	2825339	2825339
5°	2744228	2741032	2744374
10°	2376923	2360158	2376355
15°	1550820	1542492	1534742
20°	771150	800083	770116
25°	388457	438041	380492
30°	155531	169460	135511
35°	72137	69091	57915
40°	31145	34582	29337
45°	21974	27268	22169
50°	7550	19851	7990
55°	4350	8220	4591
60°	3046	3613	3046
65°	1974	1974	1974
70°	1209	806	1209
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 27268 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3245.8	28.3
10°-20°	5227.4	45.5
20°-30°	2258.9	19.7
30°-40°	514.9	4.5
40°-50°	176.8	1.5
50°-60°	43.2	0.4
60°-70°	11.2	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°	10732.1	93.5
0°-40°	11247.0	98.0
0°-60°	11466.9	99.9
0°-90°	11479.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11479.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36912	36912	36912	36912	36912	
5°	35716	35681	35674	35748	35717	3248
15°	19570	19335	19465	19402	19367	5240
25°	4600	4773	5187	4652	4505	2202
35°	772	788	739	734	620	524
45°	203	252	252	252	205	144
55°	33	34	62	36	34	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°	36911.6	36911.6	36911.6	36911.6	36911.6
2.5°	36667.0	36641.6	36656.1	36674.2	36681.5
5°	35715.5	35681.1	35673.9	35748.2	35717.4
7.5°	33796.4	33747.5	33673.2	33841.7	33999.4
10°	30581.5	30527.1	30365.8	30445.6	30574.2
12.5°	25835.2	25659.4	25655.8	25909.5	25875.1
15°	19570.3	19334.7	19465.2	19401.8	19367.4
17.5°	13160.5	13069.8	13243.8	13191.3	12964.7
20°	9467.1	9490.7	9822.3	9655.6	9454.4
22.5°	6908.2	6993.4	7386.7	6957.2	6799.5
25°	4599.5	4773.4	5186.6	4652.0	4505.2
27.5°	2828.9	2908.6	3327.3	2792.7	2712.9
30°	1759.7	1719.8	1917.3	1645.5	1533.2
32.5°	1154.4	1103.7	1167.1	1047.5	956.9
35°	772.0	788.3	739.4	734.0	619.8
37.5°	482.1	554.5	489.3	521.9	398.7
40°	311.7	402.3	346.1	382.4	293.6
42.5°	255.5	309.9	284.5	302.6	261.0
45°	203.0	251.9	251.9	251.9	204.8
47.5°	112.4	168.5	215.7	172.2	119.6
50°	63.4	85.2	166.7	88.8	67.1
52.5°	43.5	48.9	114.2	50.7	45.3
55°	32.6	34.4	61.6	36.2	34.4
57.5°	25.4	27.2	32.6	27.2	25.4
60°	19.9	19.9	23.6	21.7	19.9
62.5°	14.5	14.5	16.3	14.5	14.5
65°	10.9	10.9	10.9	10.9	10.9
67.5°	5.4	7.2	7.2	7.2	7.2
70°	5.4	3.6	3.6	3.6	5.4
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)