

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: P774224

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774224
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-EU6DR3070959040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9297.9 lumens
Efficiency: N/A
Efficacy: 93.7 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 (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

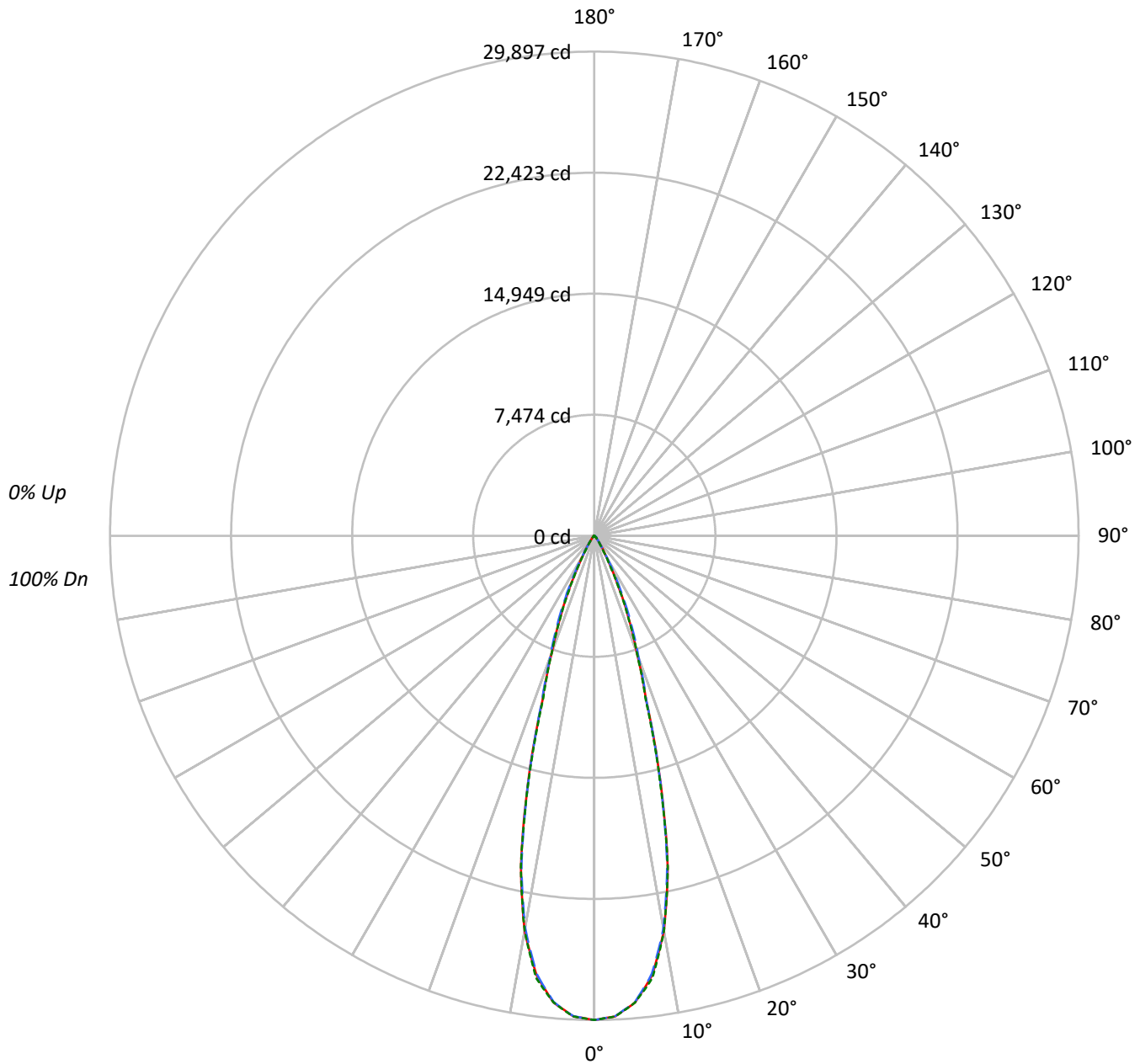


Downlight

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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°	2288449	2288449	2288449
5°	2222752	2220162	2222867
10°	1925244	1911666	1924785
15°	1256121	1249378	1243094
20°	624611	648046	623772
25°	314633	354801	308189
30°	125975	137261	109756
35°	58429	55963	46908
40°	25230	28018	23761
45°	17796	22083	17958
50°	6121	16076	6466
55°	3523	6659	3723
60°	2465	2924	2465
65°	1594	1594	1594
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22083 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2629.0	28.3
10°-20°	4234.1	45.5
20°-30°	1829.7	19.7
30°-40°	417.0	4.5
40°-50°	143.2	1.5
50°-60°	35.0	0.4
60°-70°	9.1	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°	8692.7	93.5
0°-40°	9109.8	98.0
0°-60°	9287.9	99.9
0°-90°	9297.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9297.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29897	29897	29897	29897	29897	
5°	28929	28901	28895	28955	28930	2631
15°	15851	15661	15766	15715	15687	4244
25°	3725	3866	4201	3768	3649	1783
35°	625	638	599	594	502	424
45°	164	204	204	204	166	117
55°	26	28	50	29	28	26
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29897.4	29897.4	29897.4	29897.4	29897.4
2.5°	29699.3	29678.7	29690.5	29705.1	29711.0
5°	28928.6	28900.7	28894.9	28955.1	28930.1
7.5°	27374.2	27334.5	27274.4	27410.9	27538.6
10°	24770.2	24726.1	24595.5	24660.1	24764.3
12.5°	20925.8	20783.5	20780.5	20986.0	20958.1
15°	15851.4	15660.6	15766.3	15714.9	15687.0
17.5°	10659.6	10586.2	10727.1	10684.6	10501.1
20°	7668.1	7687.2	7955.8	7820.8	7657.8
22.5°	5595.5	5664.5	5983.0	5635.1	5507.4
25°	3725.4	3866.3	4201.0	3768.0	3649.1
27.5°	2291.3	2355.9	2695.0	2262.0	2197.4
30°	1425.3	1393.0	1553.0	1332.8	1241.8
32.5°	935.0	893.9	945.3	848.4	775.0
35°	625.3	638.5	598.9	594.5	502.0
37.5°	390.5	449.2	396.3	422.7	322.9
40°	252.5	325.9	280.4	309.7	237.8
42.5°	207.0	251.0	230.5	245.1	211.4
45°	164.4	204.0	204.0	204.0	165.9
47.5°	91.0	136.5	174.7	139.4	96.9
50°	51.4	69.0	135.0	71.9	54.3
52.5°	35.2	39.6	92.5	41.1	36.7
55°	26.4	27.9	49.9	29.4	27.9
57.5°	20.6	22.0	26.4	22.0	20.6
60°	16.1	16.1	19.1	17.6	16.1
62.5°	11.7	11.7	13.2	11.7	11.7
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	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)