

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: P771891

Luminaire Tested: LD6D80BD010-EU6DR3070959040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771891
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: LD6D80BD010-EU6DR3070959040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9989.7 lumens
Efficiency: N/A
Efficacy: 126.6 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): 78.9
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

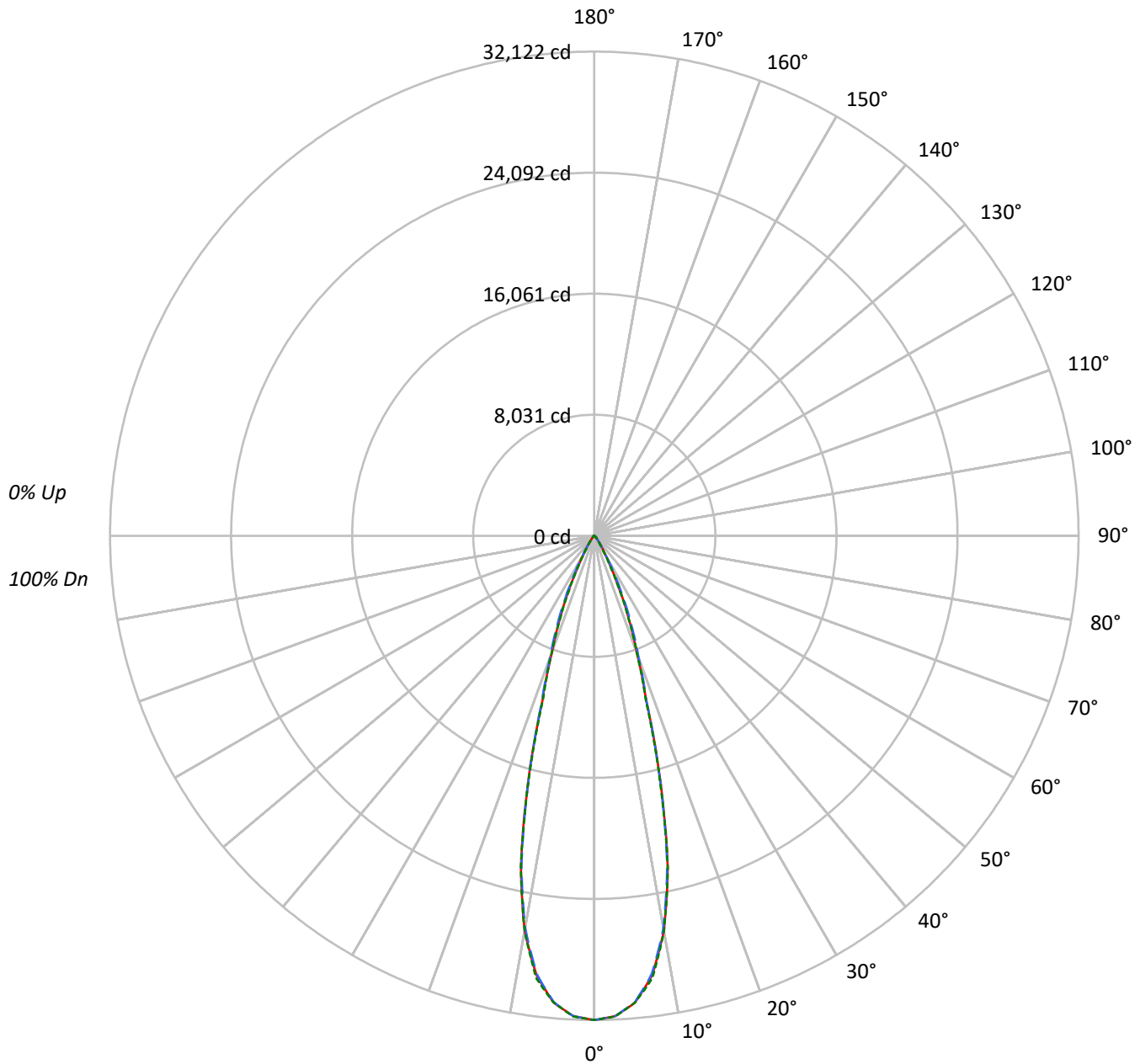


Downlight

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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	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°	2458689	2458689	2458689
5°	2388102	2385321	2388225
10°	2068459	2053878	2067969
15°	1349565	1342322	1335571
20°	671073	696260	670177
25°	338045	381193	331119
30°	135343	147470	117923
35°	62774	60121	50403
40°	27108	30096	25530
45°	19117	23728	19290
50°	6573	17279	6954
55°	3790	7153	4003
60°	2648	3138	2648
65°	1721	1721	1721
70°	1052	716	1052
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2824.6	28.3
10°-20°	4549.0	45.5
20°-30°	1965.8	19.7
30°-40°	448.0	4.5
40°-50°	153.8	1.5
50°-60°	37.6	0.4
60°-70°	9.7	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°	9339.4	93.5
0°-40°	9787.4	98.0
0°-60°	9978.9	99.9
0°-90°	9989.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9989.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32122	32122	32122	32122	32122	
5°	31081	31051	31044	31109	31082	2827
15°	17031	16826	16939	16884	16854	4560
25°	4003	4154	4514	4048	3921	1916
35°	672	686	643	639	539	456
45°	177	219	219	219	178	125
55°	28	30	54	32	30	28
65°	10	10	10	10	10	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°	32121.5	32121.5	32121.5	32121.5	32121.5
2.5°	31908.6	31886.5	31899.1	31914.9	31921.2
5°	31080.6	31050.7	31044.4	31109.0	31082.2
7.5°	29410.5	29368.0	29303.3	29450.0	29587.2
10°	26612.8	26565.5	26425.2	26494.6	26606.5
12.5°	22482.5	22329.6	22326.4	22547.2	22517.2
15°	17030.6	16825.6	16939.2	16884.0	16854.0
17.5°	11452.6	11373.7	11525.1	11479.4	11282.3
20°	8238.5	8259.0	8547.7	8402.6	8227.5
22.5°	6011.7	6085.9	6428.1	6054.3	5917.1
25°	4002.6	4154.0	4513.5	4048.3	3920.6
27.5°	2461.8	2531.2	2895.5	2430.2	2360.9
30°	1531.3	1496.6	1668.5	1432.0	1334.2
32.5°	1004.6	960.4	1015.6	911.5	832.7
35°	671.8	686.0	643.4	638.7	539.4
37.5°	419.5	482.6	425.8	454.2	347.0
40°	271.3	350.1	301.2	332.8	255.5
42.5°	222.4	269.7	247.6	263.4	227.1
45°	176.6	219.2	219.2	219.2	178.2
47.5°	97.8	146.7	187.7	149.8	104.1
50°	55.2	74.1	145.1	77.3	58.4
52.5°	37.8	42.6	99.4	44.2	39.4
55°	28.4	30.0	53.6	31.5	30.0
57.5°	22.1	23.7	28.4	23.7	22.1
60°	17.3	17.3	20.5	18.9	17.3
62.5°	12.6	12.6	14.2	12.6	12.6
65°	9.5	9.5	9.5	9.5	9.5
67.5°	4.7	6.3	6.3	6.3	6.3
70°	4.7	3.2	3.2	3.2	4.7
72.5°	3.2	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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)