

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: P770301

Luminaire Tested: LD6D70BD010-EU6DR3070959030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770301
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: LD6D70BD010-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: 7031.4 lumens
Efficiency: N/A
Efficacy: 105.6 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): 66.6
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

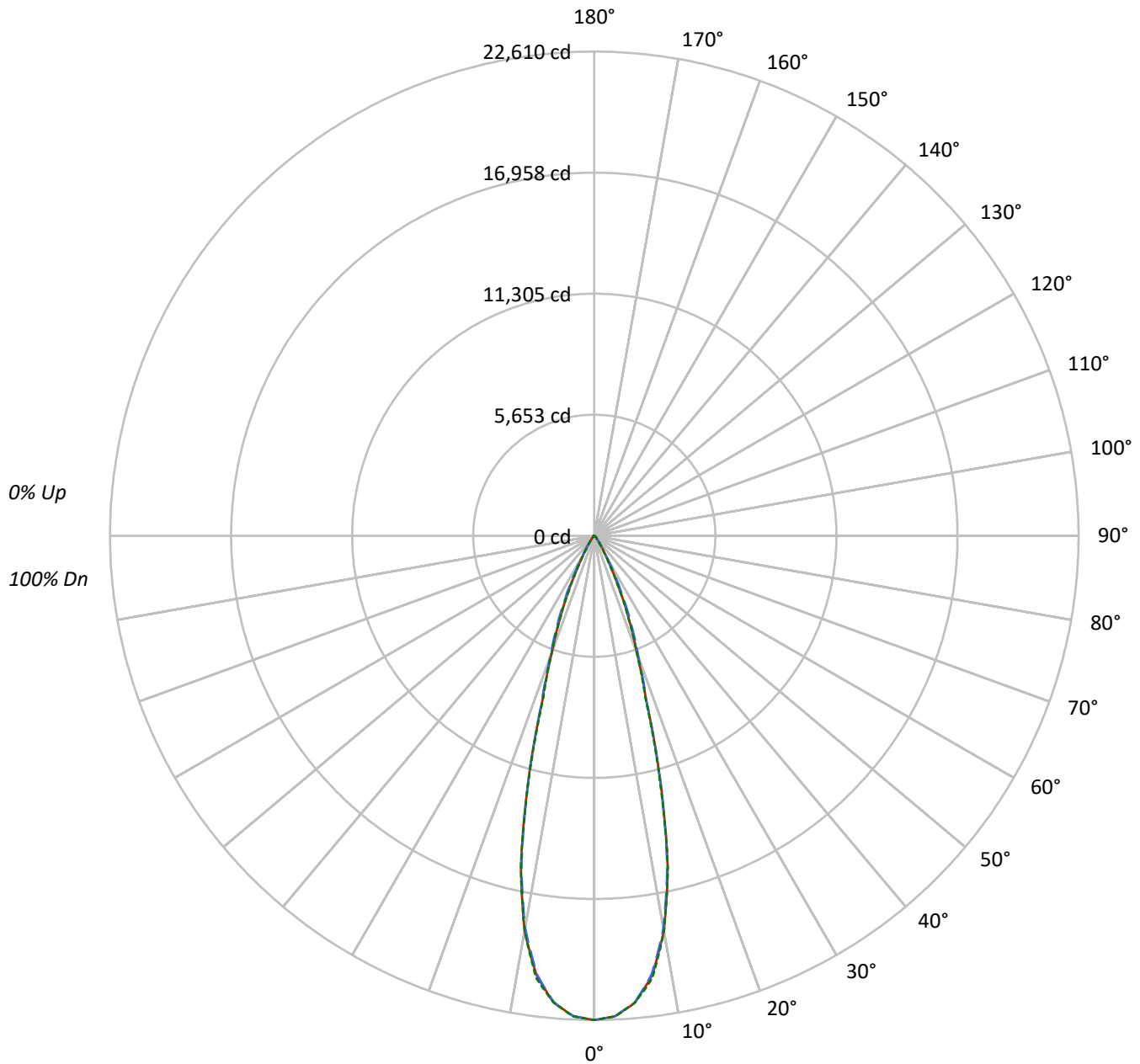


Downlight

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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°	1730608	1730608	1730608
5°	1680921	1678962	1681013
10°	1455938	1445670	1455588
15°	949924	944821	940074
20°	472354	490079	471719
25°	237939	268318	233066
30°	95270	103799	83002
35°	44189	42320	35471
40°	19075	21183	17966
45°	13455	16703	13574
50°	4632	12158	4894
55°	2669	5031	2816
60°	1868	2204	1868
65°	1213	1213	1213
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16703 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1988.2	28.3
10°-20°	3202.0	45.5
20°-30°	1383.6	19.7
30°-40°	315.4	4.5
40°-50°	108.3	1.5
50°-60°	26.5	0.4
60°-70°	6.9	0.1
70°-80°	0.7	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°	6573.8	93.5
0°-40°	6889.1	98.0
0°-60°	7023.9	99.9
0°-90°	7031.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7031.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22610	22610	22610	22610	22610	
5°	21877	21856	21851	21897	21878	1990
15°	11987	11843	11923	11884	11863	3210
25°	2817	2924	3177	2850	2760	1349
35°	473	483	453	450	380	321
45°	124	154	154	154	125	88
55°	20	21	38	22	21	19
65°	7	7	7	7	7	7
75°	0	0	1	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°	22609.5	22609.5	22609.5	22609.5	22609.5
2.5°	22459.6	22444.1	22453.0	22464.1	22468.5
5°	21876.8	21855.8	21851.3	21896.8	21878.0
7.5°	20701.3	20671.3	20625.8	20729.1	20825.6
10°	18732.1	18698.8	18600.0	18648.8	18727.6
12.5°	15824.9	15717.2	15715.0	15870.4	15849.3
15°	11987.4	11843.1	11923.0	11884.2	11863.1
17.5°	8061.2	8005.7	8112.2	8080.0	7941.3
20°	5798.9	5813.3	6016.5	5914.3	5791.1
22.5°	4231.5	4283.7	4524.6	4261.5	4164.9
25°	2817.3	2923.9	3177.0	2849.5	2759.6
27.5°	1732.8	1781.6	2038.0	1710.6	1661.7
30°	1077.9	1053.4	1174.4	1007.9	939.1
32.5°	707.1	676.0	714.9	641.6	586.1
35°	472.9	482.9	452.9	449.6	379.6
37.5°	295.3	339.7	299.7	319.7	244.2
40°	190.9	246.4	212.0	234.2	179.8
42.5°	156.5	189.8	174.3	185.4	159.8
45°	124.3	154.3	154.3	154.3	125.4
47.5°	68.8	103.2	132.1	105.5	73.3
50°	38.9	52.2	102.1	54.4	41.1
52.5°	26.6	30.0	69.9	31.1	27.8
55°	20.0	21.1	37.7	22.2	21.1
57.5°	15.5	16.7	20.0	16.7	15.5
60°	12.2	12.2	14.4	13.3	12.2
62.5°	8.9	8.9	10.0	8.9	8.9
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)