

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: P761199

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761199
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: LD6D15D010-EU6DR300215IC9030-6LBDP1MW
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: 1216.6 lumens
Efficiency: N/A
Efficacy: 77.0 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): 15.8
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



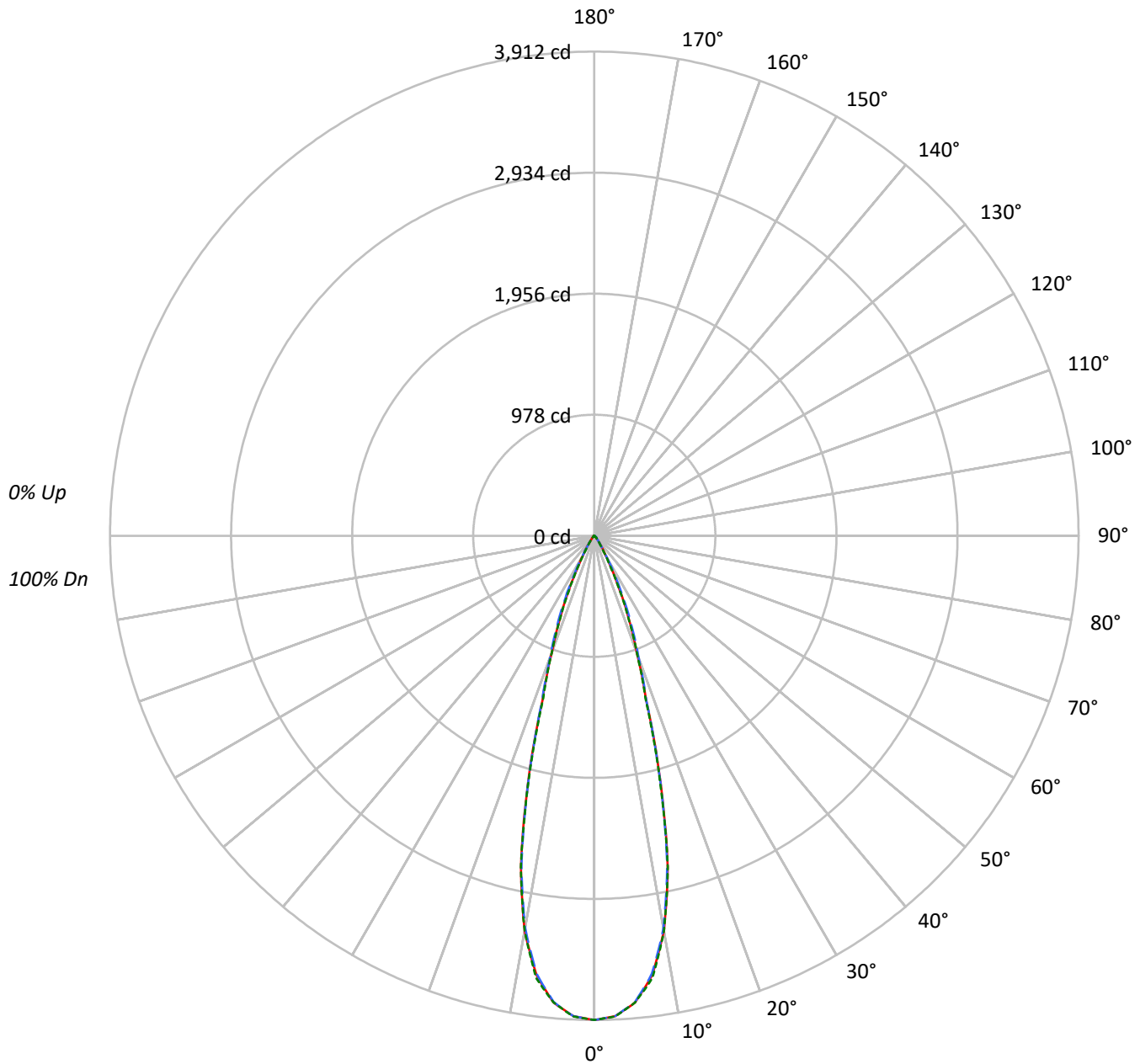
Downlight



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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	87	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°	299430	299430	299430
5°	290831	290493	290854
10°	251912	250132	251850
15°	164359	163472	162647
20°	81733	84795	81619
25°	41172	46426	40319
30°	16484	17960	14363
35°	7644	7326	6139
40°	3307	3667	3108
45°	2327	2890	2349
50°	798	2096	845
55°	454	867	494
60°	321	383	321
65°	199	199	199
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2890 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.0	28.3
10°-20°	554.0	45.5
20°-30°	239.4	19.7
30°-40°	54.6	4.5
40°-50°	18.7	1.5
50°-60°	4.6	0.4
60°-70°	1.2	0.1
70°-80°	0.1	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°	1137.4	93.5
0°-40°	1192.0	98.0
0°-60°	1215.3	99.9
0°-90°	1216.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1216.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3912	3912	3912	3912	3912	
5°	3785	3782	3781	3789	3785	344
15°	2074	2049	2063	2056	2052	555
25°	488	506	550	493	477	233
35°	82	84	78	78	66	55
45°	22	27	27	27	22	15
55°	3	4	6	4	4	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	3911.9	3911.9	3911.9	3911.9	3911.9
2.5°	3886.0	3883.3	3884.8	3886.8	3887.5
5°	3785.1	3781.5	3780.7	3788.6	3785.4
7.5°	3581.7	3576.6	3568.7	3586.6	3603.3
10°	3241.1	3235.3	3218.2	3226.6	3240.3
12.5°	2738.0	2719.4	2719.0	2745.9	2742.3
15°	2074.1	2049.1	2062.9	2056.2	2052.5
17.5°	1394.7	1385.2	1403.6	1398.0	1374.0
20°	1003.4	1005.8	1041.0	1023.3	1002.0
22.5°	732.1	741.2	782.8	737.3	720.6
25°	487.5	505.9	549.7	493.0	477.4
27.5°	299.8	308.2	352.7	296.0	287.5
30°	186.5	182.3	203.2	174.4	162.5
32.5°	122.3	116.9	123.7	111.0	101.4
35°	81.8	83.5	78.4	77.8	65.7
37.5°	51.1	58.8	51.9	55.3	42.2
40°	33.1	42.6	36.7	40.5	31.1
42.5°	27.1	32.8	30.1	32.1	27.7
45°	21.5	26.7	26.7	26.7	21.7
47.5°	11.9	17.9	22.9	18.2	12.7
50°	6.7	9.1	17.6	9.4	7.1
52.5°	4.6	5.2	12.1	5.4	4.8
55°	3.4	3.7	6.5	3.8	3.7
57.5°	2.7	2.9	3.4	2.9	2.7
60°	2.1	2.1	2.5	2.3	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.7	0.7	0.7	0.7
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)