

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: P761190

Luminaire Tested: LD6D15D010-EU6DR300215IC9027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761190
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-EU6DR300215IC9027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1321.6 lumens
Efficiency: N/A
Efficacy: 83.6 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): 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



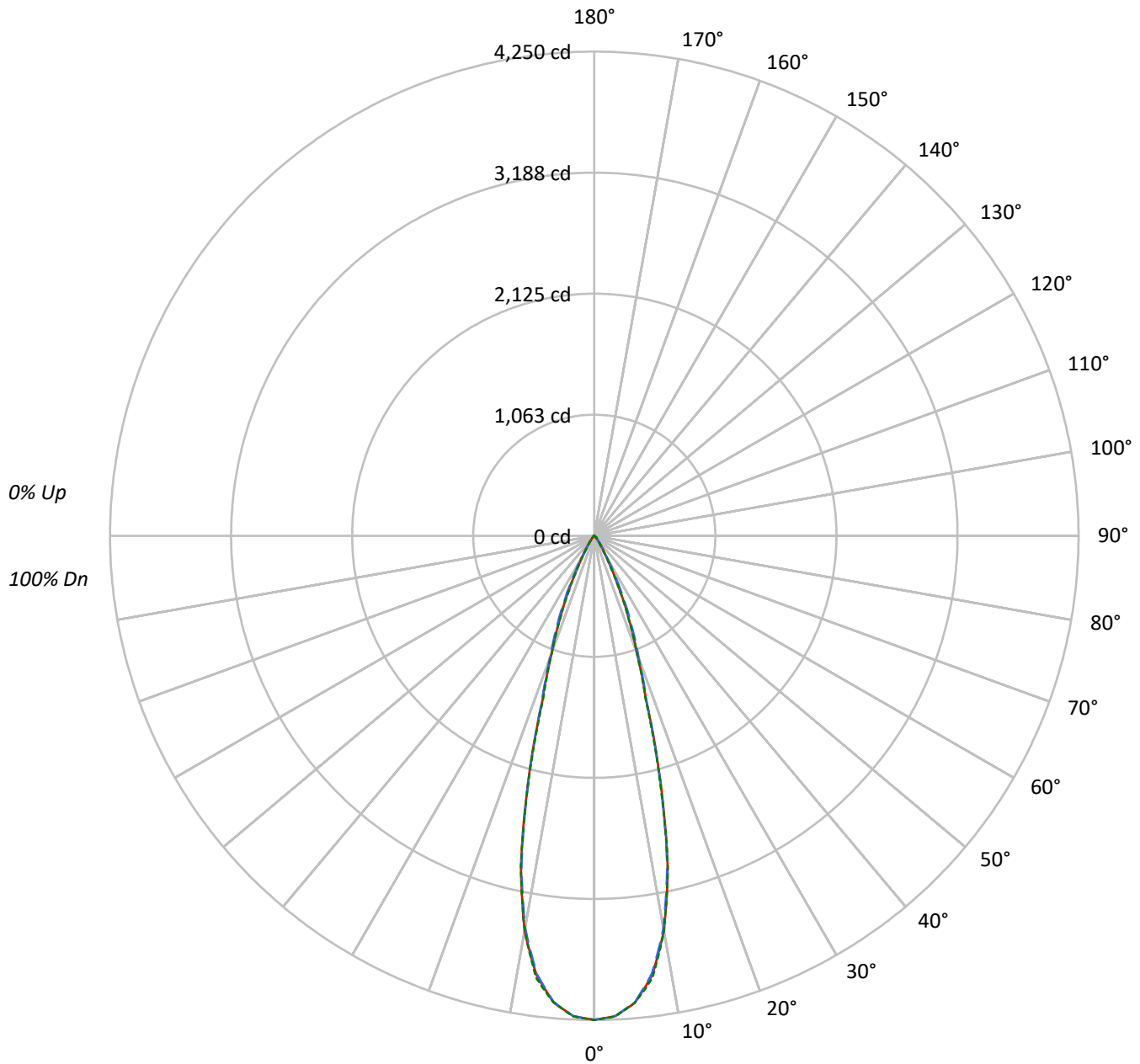
Downlight



TEST NUMBER: P761190

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9027-6LBS1MW

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°	325271	325271	325271
5°	315933	315565	315949
10°	273644	271716	273581
15°	178544	177577	176689
20°	88779	92110	88656
25°	44720	50429	43807
30°	17907	19515	15600
35°	8307	7952	6662
40°	3587	3987	3377
45°	2533	3139	2544
50°	869	2286	917
55°	507	947	534
60°	352	413	352
65°	235	235	235
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: 3139 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.7	28.3
10°-20°	601.8	45.5
20°-30°	260.1	19.7
30°-40°	59.3	4.5
40°-50°	20.3	1.5
50°-60°	5.0	0.4
60°-70°	1.3	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°	1235.5	93.5
0°-40°	1294.8	98.0
0°-60°	1320.1	99.9
0°-90°	1321.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1321.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4250	4250	4250	4250	4250	
5°	4112	4108	4107	4116	4112	374
15°	2253	2226	2241	2234	2230	603
25°	530	550	597	536	519	253
35°	89	91	85	84	71	60
45°	23	29	29	29	24	17
55°	4	4	7	4	4	4
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°	4249.5	4249.5	4249.5	4249.5	4249.5
2.5°	4221.3	4218.4	4220.1	4222.1	4223.0
5°	4111.8	4107.8	4107.0	4115.5	4112.0
7.5°	3890.9	3885.2	3876.6	3896.1	3914.2
10°	3520.7	3514.5	3495.9	3505.1	3519.9
12.5°	2974.3	2954.1	2953.6	2982.8	2978.9
15°	2253.1	2225.9	2240.9	2233.6	2229.7
17.5°	1515.1	1504.7	1524.7	1518.7	1492.6
20°	1089.9	1092.6	1130.8	1111.6	1088.4
22.5°	795.3	805.1	850.4	800.9	782.8
25°	529.5	549.5	597.1	535.5	518.7
27.5°	325.7	334.8	383.1	321.5	312.3
30°	202.6	198.0	220.8	189.4	176.5
32.5°	132.9	127.1	134.4	120.6	110.2
35°	88.9	90.8	85.1	84.5	71.3
37.5°	55.5	63.8	56.3	60.1	45.9
40°	35.9	46.3	39.9	44.0	33.8
42.5°	29.4	35.7	32.8	34.8	30.0
45°	23.4	29.0	29.0	29.0	23.5
47.5°	12.9	19.4	24.8	19.8	13.8
50°	7.3	9.8	19.2	10.2	7.7
52.5°	5.0	5.6	13.1	5.8	5.2
55°	3.8	4.0	7.1	4.2	4.0
57.5°	2.9	3.2	3.8	3.2	2.9
60°	2.3	2.3	2.7	2.5	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.9	0.9	0.9	0.9
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)