

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: P761011

Luminaire Tested: LD6D15D010-EU6DR1515309050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR1515309050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1671.3 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 15.8
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



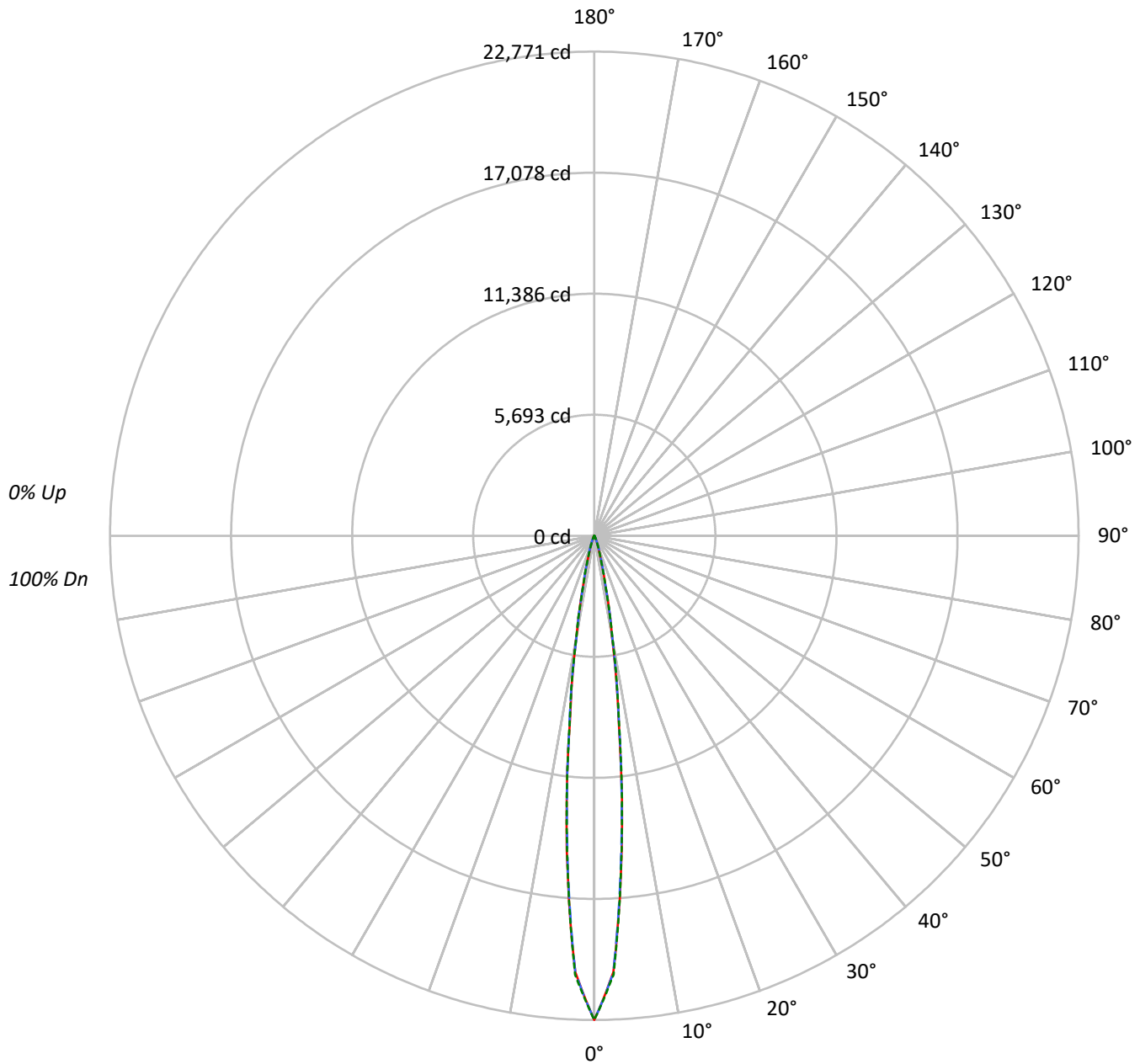
Downlight



TEST NUMBER: P761011

CATALOG NUMBER: LD6D15D010-EU6DR1515309050-6LBS1LI

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					0
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	116	114	112	111	113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105	111	108	106	104		105	103	102		102	101	100		100	98	98
3	110	106	103	101	108	105	102	100		103	100	99		100	99	97		98	97	96
4	108	103	100	98	106	102	99	97		100	98	96		99	97	95		97	95	94
5	106	101	98	95	104	100	97	95		98	96	94		97	95	93		96	94	92
6	104	99	95	93	102	98	95	93		97	94	92		96	93	92		95	93	91
7	102	97	94	91	101	96	93	91		95	93	91		94	92	90		93	91	90
8	100	95	92	90	99	95	92	90		94	91	89		93	91	89		92	90	89
9	99	93	90	88	98	93	90	88		92	90	88		92	89	88		91	89	88
10	97	92	89	87	96	92	89	87		91	89	87		91	88	87		90	88	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2562203	2562203	2562203
5°	1505673	1486180	1497929
10°	449369	452523	459447
15°	111776	113956	110438
20°	33441	38727	34153
25°	11786	15019	11942
30°	4328	5706	4403
35°	2171	2447	2099
40°	1371	1506	1371
45°	1015	1078	1015
50°	807	807	807
55°	668	668	668
60°	541	541	541
65°	414	414	414
70°	351	351	351
75°	219	219	295
80°	150	150	150
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1078 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1084.0	64.9
10°-20°	445.9	26.7
20°-30°	88.6	5.3
30°-40°	22.1	1.3
40°-50°	11.6	0.7
50°-60°	8.6	0.5
60°-70°	6.1	0.4
70°-80°	3.5	0.2
80°-90°	1.0	0.1
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°	1618.4	96.8
0°-40°	1640.5	98.2
0°-60°	1660.7	99.4
0°-90°	1671.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22771	22771	22771	22771	22771	
5°	14815	14663	14624	14725	14739	1082
15°	1287	1311	1312	1289	1272	441
25°	151	172	193	171	153	79
35°	30	32	34	32	29	20
45°	14	14	15	14	14	11
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22771.1	22771.1	22771.1	22771.1	22771.1
2.5°	20540.5	20557.8	20564.6	20584.8	20660.0
5°	14815.4	14663.1	14623.6	14724.8	14739.2
7.5°	8776.1	8806.9	8919.7	8944.8	8854.2
10°	4816.0	4855.6	4849.8	4884.5	4924.0
12.5°	2463.0	2432.1	2422.5	2462.0	2407.1
15°	1286.9	1311.0	1312.0	1288.8	1271.5
17.5°	692.1	720.1	766.4	728.8	670.9
20°	408.7	433.8	473.3	442.5	417.4
22.5°	252.6	272.8	300.8	276.7	256.4
25°	151.3	171.6	192.8	170.6	153.3
27.5°	89.7	107.0	120.5	106.0	88.7
30°	57.8	67.5	76.2	66.5	58.8
32.5°	40.5	44.3	48.2	44.3	40.5
35°	29.9	31.8	33.7	31.8	28.9
37.5°	23.1	25.1	26.0	24.1	22.2
40°	19.3	20.2	21.2	20.2	19.3
42.5°	16.4	17.4	17.4	17.4	16.4
45°	14.5	14.5	15.4	14.5	14.5
47.5°	12.5	12.5	13.5	12.5	12.5
50°	11.6	11.6	11.6	11.6	11.6
52.5°	10.6	10.6	10.6	10.6	10.6
55°	9.6	9.6	9.6	9.6	9.6
57.5°	8.7	8.7	8.7	8.7	8.7
60°	7.7	7.7	7.7	7.7	7.7
62.5°	6.7	6.7	6.7	6.7	6.7
65°	5.8	5.8	5.8	5.8	5.8
67.5°	5.8	5.8	5.8	5.8	5.8
70°	4.8	4.8	4.8	4.8	4.8
72.5°	3.9	3.9	3.9	3.9	3.9
75°	2.9	2.9	2.9	2.9	3.9
77.5°	2.9	2.9	2.9	2.9	2.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0
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)