

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: P760983

Luminaire Tested: LD6D15D010-EU6DR1515309035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760983
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-EU6DR1515309035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1442.2 lumens
Efficiency: N/A
Efficacy: 91.3 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



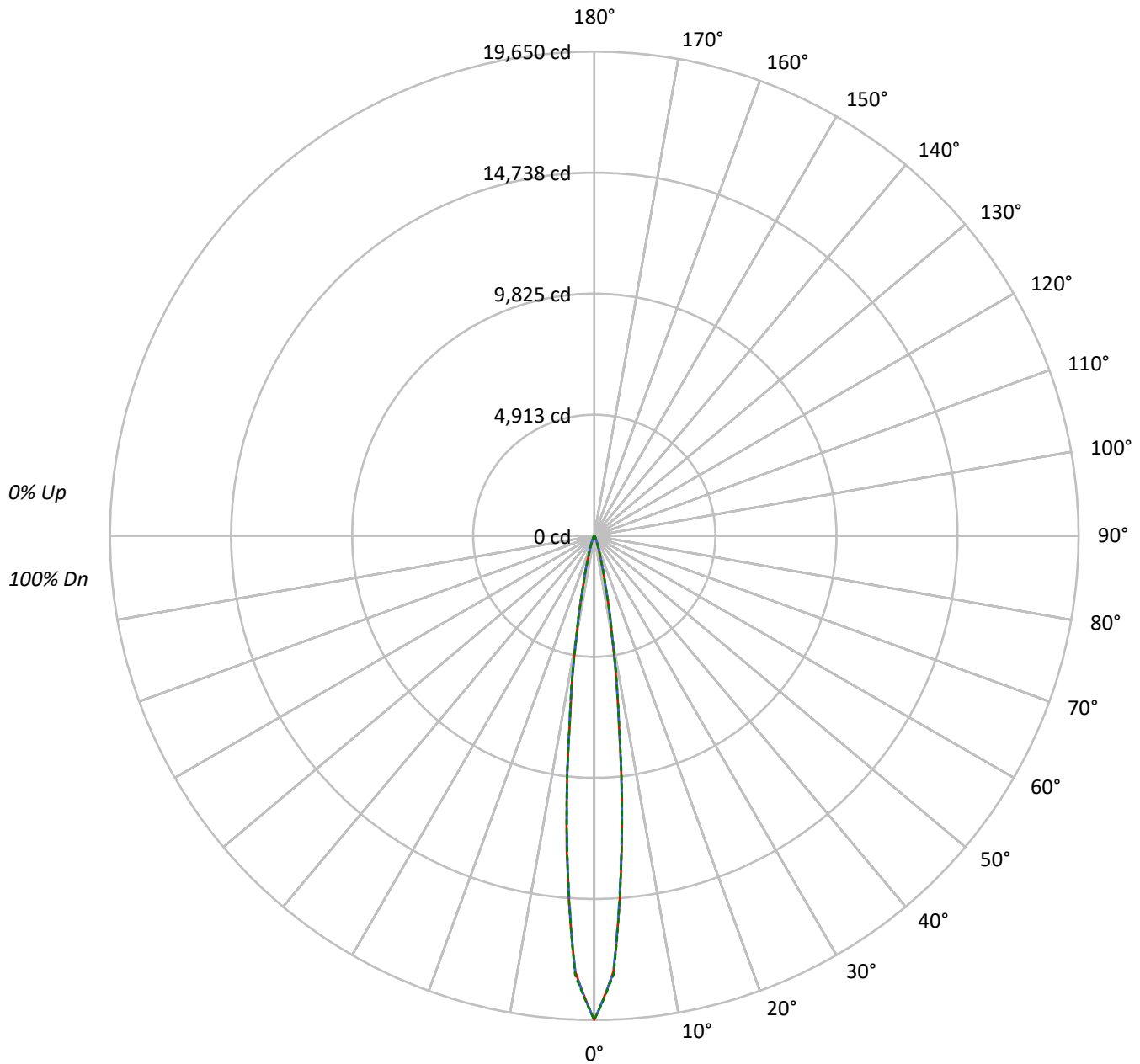
Downlight



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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					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	87
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°	2210972	2210972	2210972
5°	1299275	1282445	1292598
10°	387777	390492	396464
15°	96455	98331	95299
20°	28859	33416	29473
25°	10174	12963	10306
30°	3737	4920	3796
35°	1874	2113	1815
40°	1179	1300	1179
45°	875	931	875
50°	695	695	695
55°	578	578	578
60°	470	470	470
65°	357	357	357
70°	307	307	307
75°	189	189	249
80°	134	134	134
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	935.4	64.9
10°-20°	384.7	26.7
20°-30°	76.4	5.3
30°-40°	19.1	1.3
40°-50°	10.0	0.7
50°-60°	7.5	0.5
60°-70°	5.3	0.4
70°-80°	3.0	0.2
80°-90°	0.9	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°	1396.5	96.8
0°-40°	1415.6	98.2
0°-60°	1433.1	99.4
0°-90°	1442.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1442.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19650	19650	19650	19650	19650	
5°	12784	12653	12619	12706	12719	934
15°	1110	1131	1132	1112	1097	381
25°	131	148	166	147	132	69
35°	26	28	29	28	25	18
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	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°	19649.6	19649.6	19649.6	19649.6	19649.6
2.5°	17724.8	17739.7	17745.6	17763.0	17827.9
5°	12784.5	12653.1	12618.9	12706.3	12718.8
7.5°	7573.0	7599.7	7697.0	7718.6	7640.4
10°	4155.9	4190.0	4185.0	4214.9	4249.0
12.5°	2125.3	2098.7	2090.4	2124.5	2077.1
15°	1110.5	1131.3	1132.1	1112.2	1097.2
17.5°	597.3	621.4	661.3	628.9	579.0
20°	352.7	374.3	408.4	381.8	360.2
22.5°	217.9	235.4	259.5	238.7	221.3
25°	130.6	148.1	166.4	147.2	132.3
27.5°	77.4	92.3	104.0	91.5	76.5
30°	49.9	58.2	65.7	57.4	50.7
32.5°	34.9	38.3	41.6	38.3	34.9
35°	25.8	27.5	29.1	27.5	25.0
37.5°	20.0	21.6	22.5	20.8	19.1
40°	16.6	17.5	18.3	17.5	16.6
42.5°	14.1	15.0	15.0	15.0	14.1
45°	12.5	12.5	13.3	12.5	12.5
47.5°	10.8	10.8	11.6	10.8	10.8
50°	10.0	10.0	10.0	10.0	10.0
52.5°	9.2	9.2	9.2	9.2	9.2
55°	8.3	8.3	8.3	8.3	8.3
57.5°	7.5	7.5	7.5	7.5	7.5
60°	6.7	6.7	6.7	6.7	6.7
62.5°	5.8	5.8	5.8	5.8	5.8
65°	5.0	5.0	5.0	5.0	5.0
67.5°	5.0	5.0	5.0	5.0	5.0
70°	4.2	4.2	4.2	4.2	4.2
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.5	2.5	2.5	2.5	3.3
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.8	0.8	0.8	0.8	0.8
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)