

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: P761240

Luminaire Tested: LD6D15D010-EU6DR300215IC9050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761240
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-EU6DR300215IC9050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1462.9 lumens
Efficiency: N/A
Efficacy: 92.6 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



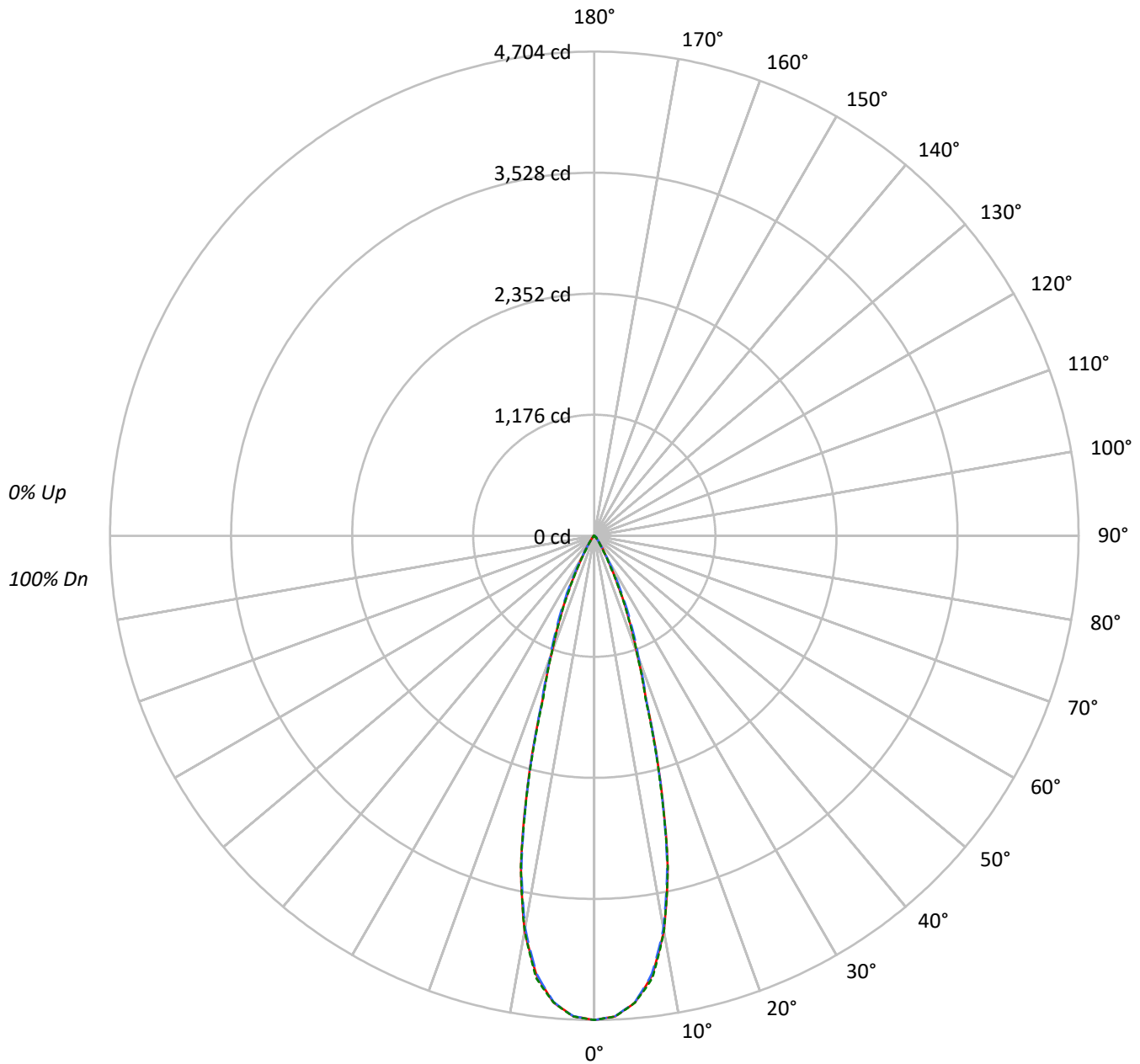
Downlight



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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°	360060	360060	360060
5°	349726	349319	349749
10°	302915	300785	302845
15°	197641	196572	195589
20°	98276	101966	98146
25°	49508	55826	48495
30°	19825	21601	17270
35°	9195	8812	7382
40°	3967	4406	3737
45°	2793	3475	2825
50°	965	2536	1012
55°	560	1041	587
60°	383	459	383
65°	254	254	254
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3475 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.6	28.3
10°-20°	666.2	45.5
20°-30°	287.9	19.7
30°-40°	65.6	4.5
40°-50°	22.5	1.5
50°-60°	5.5	0.4
60°-70°	1.4	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°	1367.7	93.5
0°-40°	1433.3	98.0
0°-60°	1461.4	99.9
0°-90°	1462.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1462.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4704	4704	4704	4704	4704	
5°	4552	4547	4546	4556	4552	414
15°	2494	2464	2481	2473	2468	668
25°	586	608	661	593	574	281
35°	98	100	94	94	79	67
45°	26	32	32	32	26	18
55°	4	4	8	5	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°	4704.0	4704.0	4704.0	4704.0	4704.0
2.5°	4672.9	4669.7	4671.5	4673.8	4674.8
5°	4551.6	4547.2	4546.3	4555.8	4551.9
7.5°	4307.0	4300.8	4291.3	4312.8	4332.9
10°	3897.3	3890.4	3869.9	3880.0	3896.4
12.5°	3292.5	3270.1	3269.6	3302.0	3297.6
15°	2494.1	2464.0	2480.6	2472.6	2468.2
17.5°	1677.2	1665.6	1687.8	1681.1	1652.2
20°	1206.5	1209.5	1251.8	1230.5	1204.9
22.5°	880.4	891.2	941.4	886.6	866.5
25°	586.2	608.4	661.0	592.8	574.2
27.5°	360.5	370.7	424.0	355.9	345.7
30°	224.3	219.2	244.4	209.7	195.4
32.5°	147.1	140.7	148.7	133.5	121.9
35°	98.4	100.4	94.3	93.6	79.0
37.5°	61.4	70.6	62.3	66.5	50.8
40°	39.7	51.3	44.1	48.8	37.4
42.5°	32.5	39.5	36.3	38.6	33.2
45°	25.8	32.1	32.1	32.1	26.1
47.5°	14.3	21.5	27.5	21.9	15.2
50°	8.1	10.8	21.3	11.3	8.5
52.5°	5.6	6.2	14.6	6.5	5.8
55°	4.2	4.4	7.8	4.6	4.4
57.5°	3.2	3.4	4.2	3.4	3.2
60°	2.5	2.5	3.0	2.8	2.5
62.5°	1.8	1.8	2.1	1.8	1.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	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)