

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: P761227

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761227
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-EU6DR300215IC9040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1480.4 lumens
Efficiency: N/A
Efficacy: 93.7 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



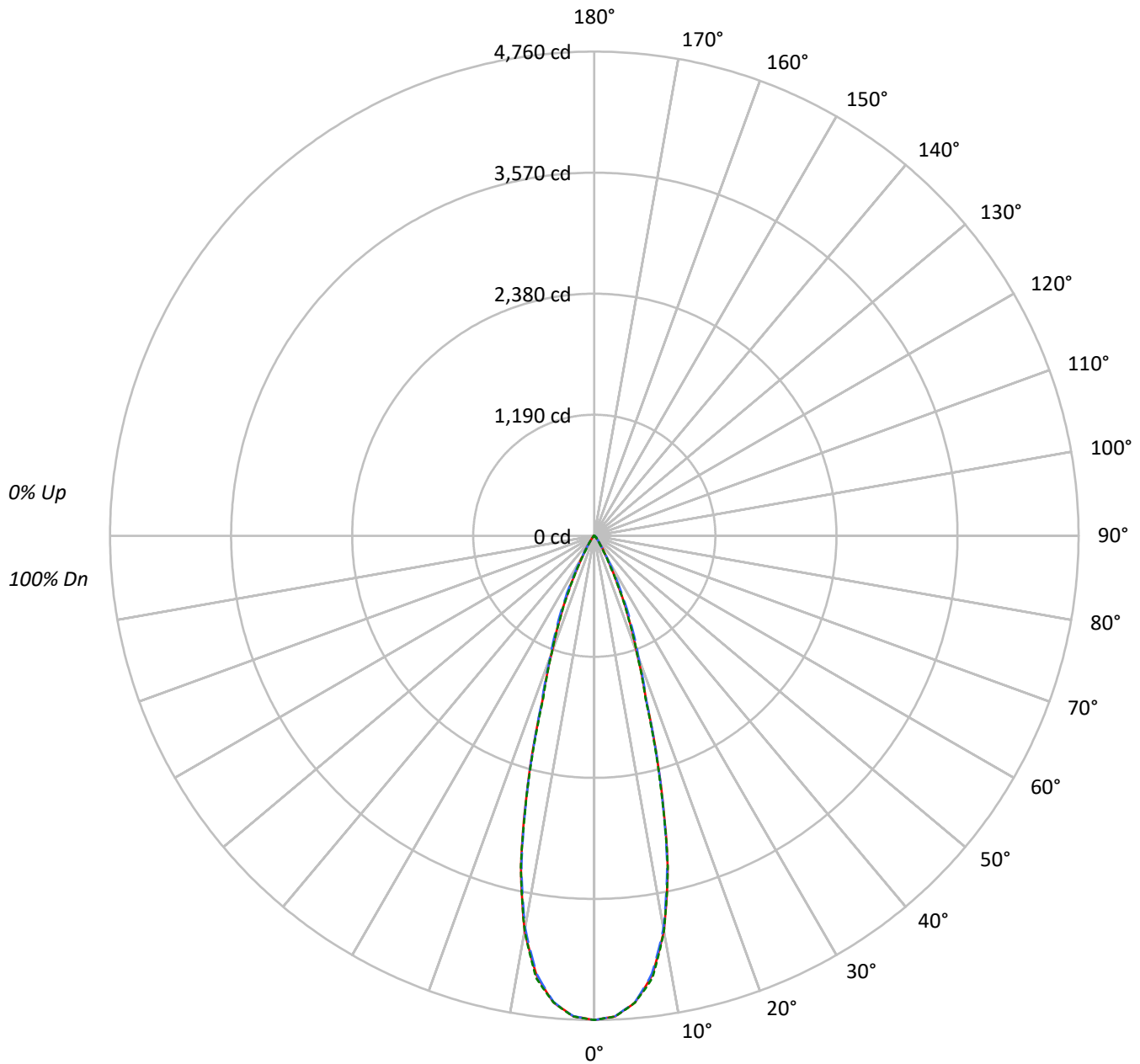
Downlight



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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°	364362	364362	364362
5°	353906	353491	353921
10°	306529	304376	306459
15°	199995	198925	197927
20°	99449	103180	99311
25°	50099	56493	49069
30°	20054	21858	17474
35°	9307	8905	7466
40°	4017	4456	3787
45°	2836	3518	2858
50°	976	2560	1036
55°	560	1068	601
60°	398	459	398
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: 3518 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.6	28.3
10°-20°	674.1	45.5
20°-30°	291.3	19.7
30°-40°	66.4	4.5
40°-50°	22.8	1.5
50°-60°	5.6	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°	1384.0	93.5
0°-40°	1450.4	98.0
0°-60°	1478.8	99.9
0°-90°	1480.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4760	4760	4760	4760	4760	
5°	4606	4602	4601	4610	4606	419
15°	2524	2493	2510	2502	2498	676
25°	593	616	669	600	581	284
35°	100	102	95	95	80	68
45°	26	32	32	32	26	19
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°	4760.2	4760.2	4760.2	4760.2	4760.2
2.5°	4728.7	4725.4	4727.2	4729.6	4730.5
5°	4606.0	4601.5	4600.6	4610.1	4606.2
7.5°	4358.4	4352.1	4342.6	4364.3	4384.6
10°	3943.8	3936.9	3916.1	3926.3	3942.9
12.5°	3331.8	3309.1	3308.6	3341.3	3336.9
15°	2523.8	2493.4	2510.3	2502.1	2497.7
17.5°	1697.2	1685.5	1708.0	1701.1	1672.0
20°	1220.9	1223.9	1266.7	1245.2	1219.2
22.5°	890.9	901.9	952.6	897.2	876.9
25°	593.2	615.6	668.9	599.9	581.0
27.5°	364.8	375.1	429.1	360.2	349.8
30°	226.9	221.8	247.3	212.2	197.7
32.5°	148.9	142.3	150.5	135.1	123.4
35°	99.6	101.6	95.3	94.7	79.9
37.5°	62.2	71.5	63.1	67.3	51.4
40°	40.2	51.9	44.6	49.3	37.9
42.5°	32.9	40.0	36.7	39.0	33.6
45°	26.2	32.5	32.5	32.5	26.4
47.5°	14.5	21.7	27.8	22.2	15.4
50°	8.2	11.0	21.5	11.5	8.7
52.5°	5.6	6.3	14.7	6.5	5.8
55°	4.2	4.5	8.0	4.7	4.5
57.5°	3.3	3.5	4.2	3.5	3.3
60°	2.6	2.6	3.0	2.8	2.6
62.5°	1.9	1.9	2.1	1.9	1.9
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)