

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: P761188

Luminaire Tested: LD6D15D010-EU6DR300215IC9027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761188
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-EU6DR300215IC9027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1390.3 lumens
Efficiency: N/A
Efficacy: 88.0 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 (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



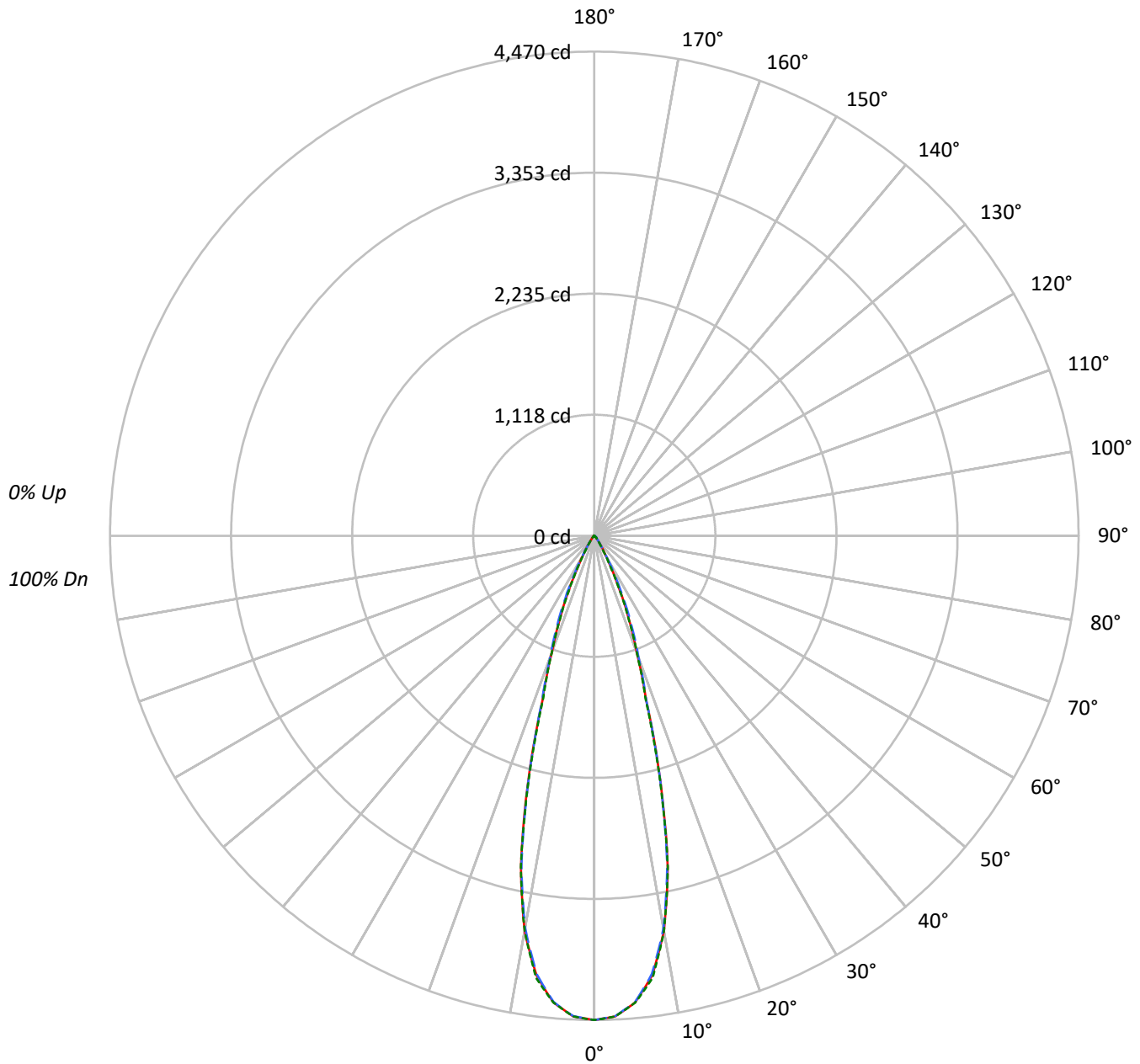
Downlight



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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					10
RW	70	50	30	10	70	50	30	10	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	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85		
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82		
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79		
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	342187	342187	342187
5°	332369	331977	332384
10°	287875	285854	287813
15°	187823	186817	185882
20°	93397	96900	93267
25°	47051	53055	46079
30°	18835	20523	16413
35°	8737	8372	7018
40°	3777	4187	3557
45°	2663	3302	2685
50°	917	2405	965
55°	534	988	560
60°	367	444	367
65°	235	235	235
70°	134	112	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: 3302 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.1	28.3
10°-20°	633.1	45.5
20°-30°	273.6	19.7
30°-40°	62.4	4.5
40°-50°	21.4	1.5
50°-60°	5.2	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°	1299.8	93.5
0°-40°	1362.2	98.0
0°-60°	1388.8	99.9
0°-90°	1390.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1390.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4470	4470	4470	4470	4470	
5°	4326	4322	4321	4330	4326	393
15°	2370	2342	2358	2350	2346	635
25°	557	578	628	563	546	267
35°	94	96	90	89	75	63
45°	25	30	30	30	25	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4470.5	4470.5	4470.5	4470.5	4470.5
2.5°	4440.9	4437.8	4439.6	4441.8	4442.7
5°	4325.7	4321.5	4320.6	4329.6	4325.9
7.5°	4093.2	4087.3	4078.3	4098.7	4117.8
10°	3703.8	3697.3	3677.8	3687.4	3703.0
12.5°	3129.0	3107.7	3107.3	3138.0	3133.9
15°	2370.2	2341.7	2357.5	2349.8	2345.7
17.5°	1593.9	1582.9	1604.0	1597.7	1570.2
20°	1146.6	1149.5	1189.6	1169.4	1145.0
22.5°	836.7	847.0	894.6	842.6	823.5
25°	557.1	578.1	628.2	563.4	545.6
27.5°	342.6	352.3	403.0	338.2	328.6
30°	213.1	208.3	232.2	199.3	185.7
32.5°	139.8	133.7	141.3	126.9	115.9
35°	93.5	95.5	89.6	88.9	75.1
37.5°	58.4	67.1	59.2	63.2	48.3
40°	37.8	48.7	41.9	46.3	35.6
42.5°	30.9	37.5	34.4	36.7	31.6
45°	24.6	30.5	30.5	30.5	24.8
47.5°	13.6	20.4	26.1	20.9	14.5
50°	7.7	10.3	20.2	10.8	8.1
52.5°	5.3	5.9	13.8	6.1	5.5
55°	4.0	4.2	7.4	4.4	4.2
57.5°	3.1	3.3	4.0	3.3	3.1
60°	2.4	2.4	2.9	2.6	2.4
62.5°	1.8	1.8	1.9	1.8	1.8
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	0.5	0.5	0.5	0.6
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)