

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: P761196

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761196
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-EU6DR300215IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1098.0 lumens
Efficiency: N/A
Efficacy: 69.5 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



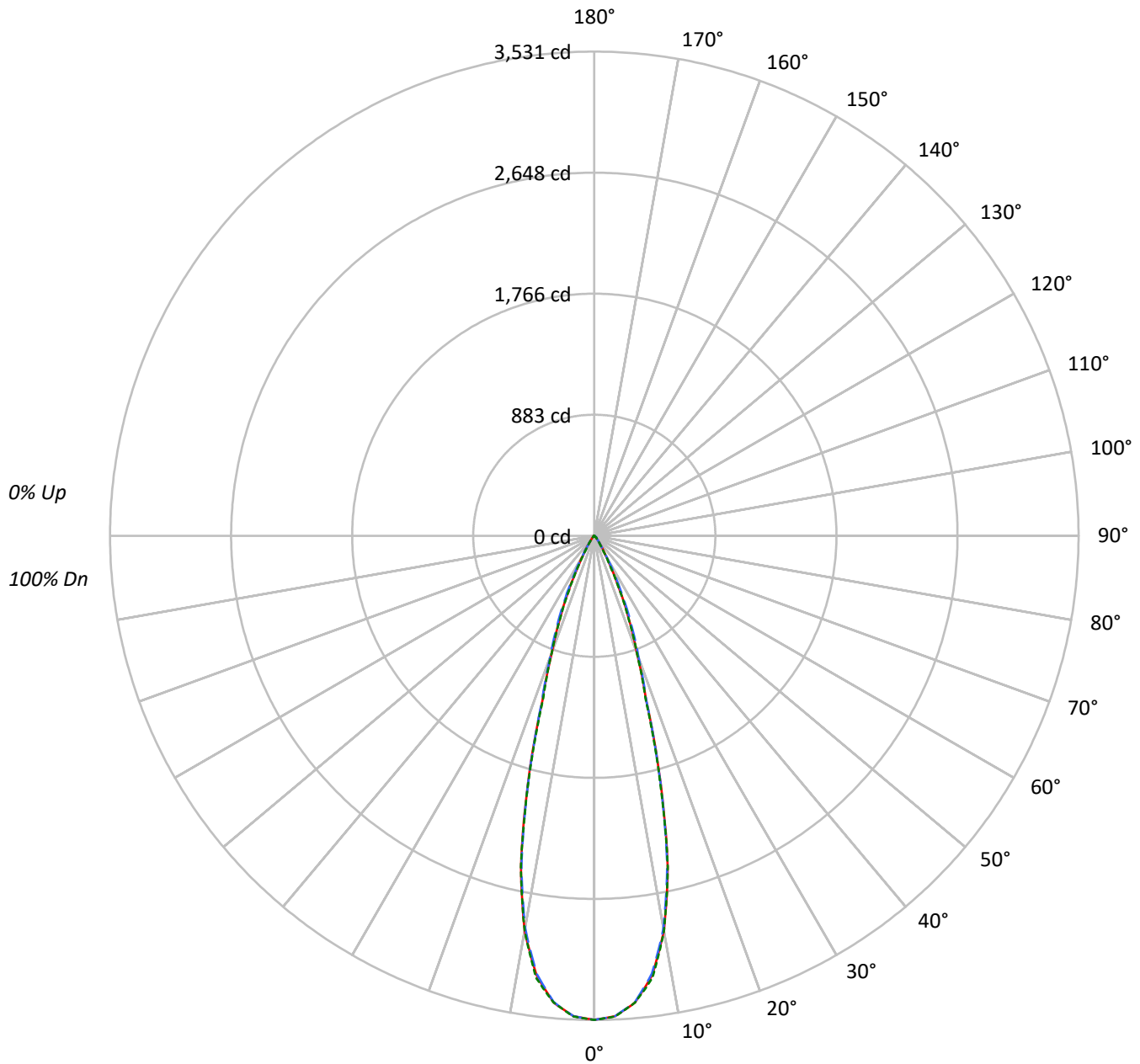
Downlight



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	115	113	111	109	112	110	109	107		106	105	104			103	102	101			99
2	111	107	104	101	109	105	102	100		102	100	98			99	97	96			97
3	107	102	98	95	105	101	97	94		98	95	93			96	93	91			94
4	103	98	93	90	102	96	93	90		94	91	89			93	90	88			91
5	100	94	89	86	98	93	89	86		91	88	85			90	86	84			88
6	97	90	85	82	95	89	85	82		88	84	81			87	83	81			85
7	94	87	82	79	92	86	82	79		85	81	78			84	81	78			83
8	91	84	79	76	90	83	79	76		82	78	76			81	78	75			80
9	88	81	76	73	87	80	76	73		80	76	73			79	75	73			78
10	85	78	74	71	85	78	74	71		77	73	71			76	73	71			76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	270244	270244	270244
5°	262486	262179	262494
10°	227351	225750	227297
15°	148336	147536	146799
20°	73758	76528	73660
25°	37152	41899	36392
30°	14875	16210	12957
35°	6905	6606	5541
40°	2978	3307	2808
45°	2100	2609	2122
50°	726	1893	762
55°	414	787	440
60°	291	337	291
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2609 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.5	28.3
10°-20°	500.0	45.5
20°-30°	216.1	19.7
30°-40°	49.2	4.5
40°-50°	16.9	1.5
50°-60°	4.1	0.4
60°-70°	1.1	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°	1026.5	93.5
0°-40°	1075.8	98.0
0°-60°	1096.8	99.9
0°-90°	1098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1098.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3531	3531	3531	3531	3531	
5°	3416	3413	3412	3419	3416	311
15°	1872	1849	1862	1856	1852	501
25°	440	457	496	445	431	211
35°	74	75	71	70	59	50
45°	19	24	24	24	20	14
55°	3	3	6	4	3	3
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°	3530.6	3530.6	3530.6	3530.6	3530.6
2.5°	3507.1	3504.7	3506.1	3507.8	3508.5
5°	3416.2	3412.8	3412.2	3419.3	3416.3
7.5°	3232.6	3227.9	3220.8	3236.9	3252.0
10°	2925.1	2919.9	2904.5	2912.1	2924.4
12.5°	2471.1	2454.3	2453.9	2478.2	2474.9
15°	1871.9	1849.4	1861.8	1855.8	1852.5
17.5°	1258.8	1250.1	1266.7	1261.8	1240.0
20°	905.5	907.8	939.5	923.5	904.3
22.5°	660.8	668.9	706.5	665.4	650.4
25°	439.9	456.6	496.1	445.0	430.9
27.5°	270.6	278.2	318.3	267.1	259.5
30°	168.3	164.5	183.4	157.4	146.6
32.5°	110.4	105.5	111.6	100.2	91.5
35°	73.9	75.4	70.7	70.2	59.3
37.5°	46.1	53.1	46.8	49.9	38.2
40°	29.8	38.5	33.1	36.6	28.1
42.5°	24.5	29.6	27.2	28.9	25.0
45°	19.4	24.1	24.1	24.1	19.6
47.5°	10.8	16.1	20.6	16.4	11.5
50°	6.1	8.1	15.9	8.5	6.4
52.5°	4.2	4.7	10.9	4.9	4.4
55°	3.1	3.3	5.9	3.5	3.3
57.5°	2.4	2.6	3.1	2.6	2.4
60°	1.9	1.9	2.2	2.1	1.9
62.5°	1.4	1.4	1.5	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	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)