

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: P761209

Luminaire Tested: LD6D15D010-EU6DR300215IC9035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761209
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-EU6DR300215IC9035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1439.7 lumens
Efficiency: N/A
Efficacy: 91.1 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



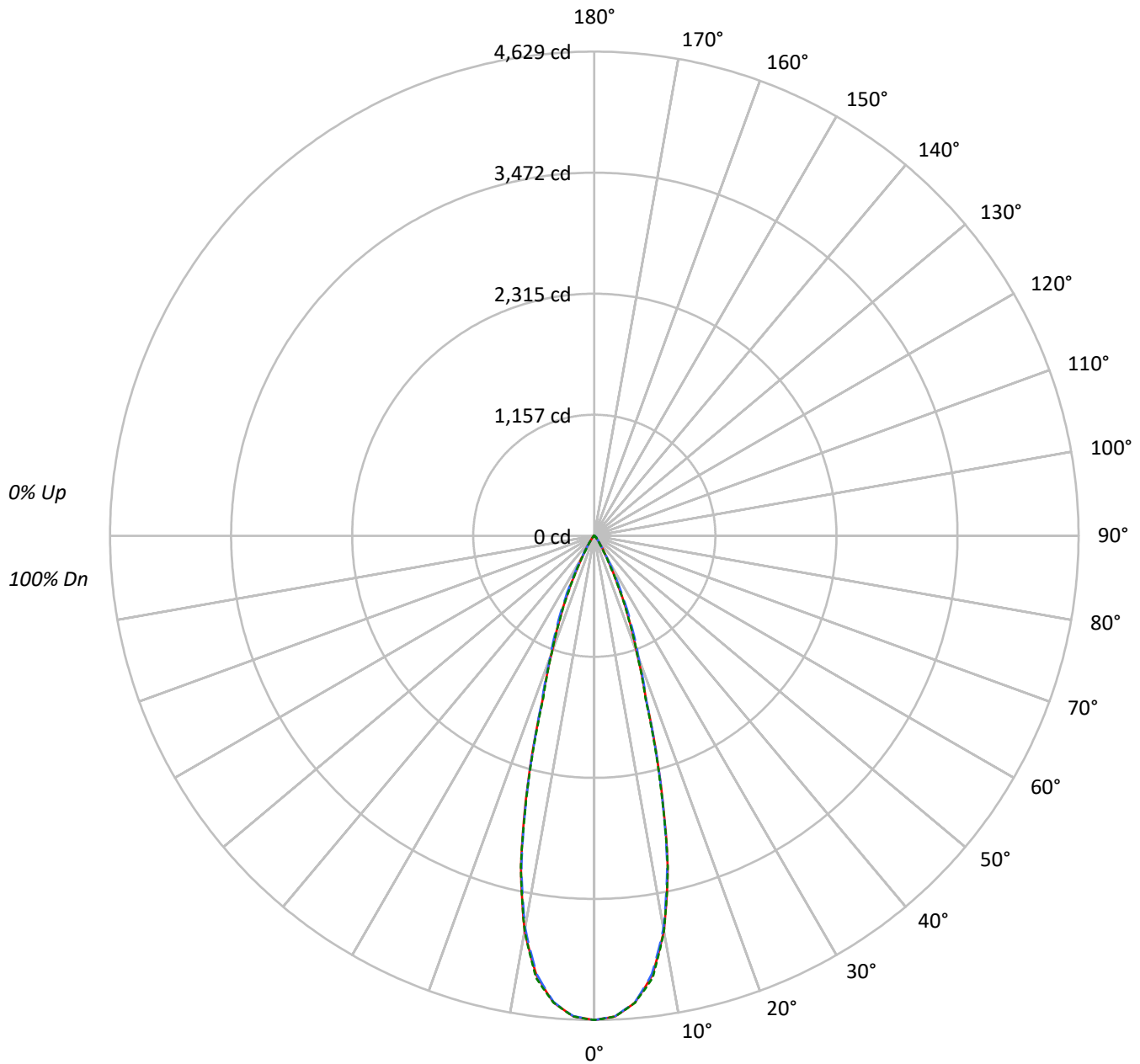
Downlight



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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°	354350	354350	354350
5°	344178	343779	344201
10°	298111	296013	298041
15°	194503	193457	192483
20°	96721	100345	96590
25°	48714	54939	47718
30°	19507	21257	16996
35°	9045	8671	7260
40°	3907	4337	3677
45°	2750	3421	2782
50°	953	2489	1000
55°	547	1028	574
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: 3421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.1	28.3
10°-20°	655.6	45.5
20°-30°	283.3	19.7
30°-40°	64.6	4.5
40°-50°	22.2	1.5
50°-60°	5.4	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°	1346.0	93.5
0°-40°	1410.6	98.0
0°-60°	1438.2	99.9
0°-90°	1439.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1439.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4629	4629	4629	4629	4629	
5°	4479	4475	4474	4484	4480	407
15°	2454	2425	2441	2433	2429	657
25°	577	599	650	583	565	276
35°	97	99	93	92	78	66
45°	25	32	32	32	26	18
55°	4	4	8	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4629.4	4629.4	4629.4	4629.4	4629.4
2.5°	4598.7	4595.6	4597.4	4599.6	4600.6
5°	4479.4	4475.1	4474.2	4483.5	4479.7
7.5°	4238.7	4232.6	4223.3	4244.4	4264.2
10°	3835.5	3828.7	3808.5	3818.5	3834.6
12.5°	3240.3	3218.2	3217.7	3249.5	3245.3
15°	2454.5	2425.0	2441.3	2433.4	2429.0
17.5°	1650.6	1639.2	1661.0	1654.5	1626.0
20°	1187.4	1190.3	1231.9	1211.0	1185.8
22.5°	866.4	877.1	926.4	872.5	852.8
25°	576.8	598.7	650.5	583.4	565.0
27.5°	354.8	364.8	417.3	350.2	340.3
30°	220.7	215.7	240.5	206.4	192.3
32.5°	144.8	138.4	146.4	131.4	120.0
35°	96.8	98.9	92.8	92.1	77.7
37.5°	60.4	69.6	61.4	65.4	50.0
40°	39.1	50.5	43.4	48.0	36.8
42.5°	32.0	38.8	35.7	37.9	32.7
45°	25.4	31.6	31.6	31.6	25.7
47.5°	14.1	21.1	27.0	21.6	15.0
50°	8.0	10.7	20.9	11.1	8.4
52.5°	5.4	6.1	14.3	6.4	5.7
55°	4.1	4.3	7.7	4.5	4.3
57.5°	3.2	3.4	4.1	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)