

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: P761189

Luminaire Tested: LD6D15D010-EU6DR300215IC9027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761189
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-EU6DR300215IC9027-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 1459.8 lumens
Efficiency: N/A
Efficacy: 92.4 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



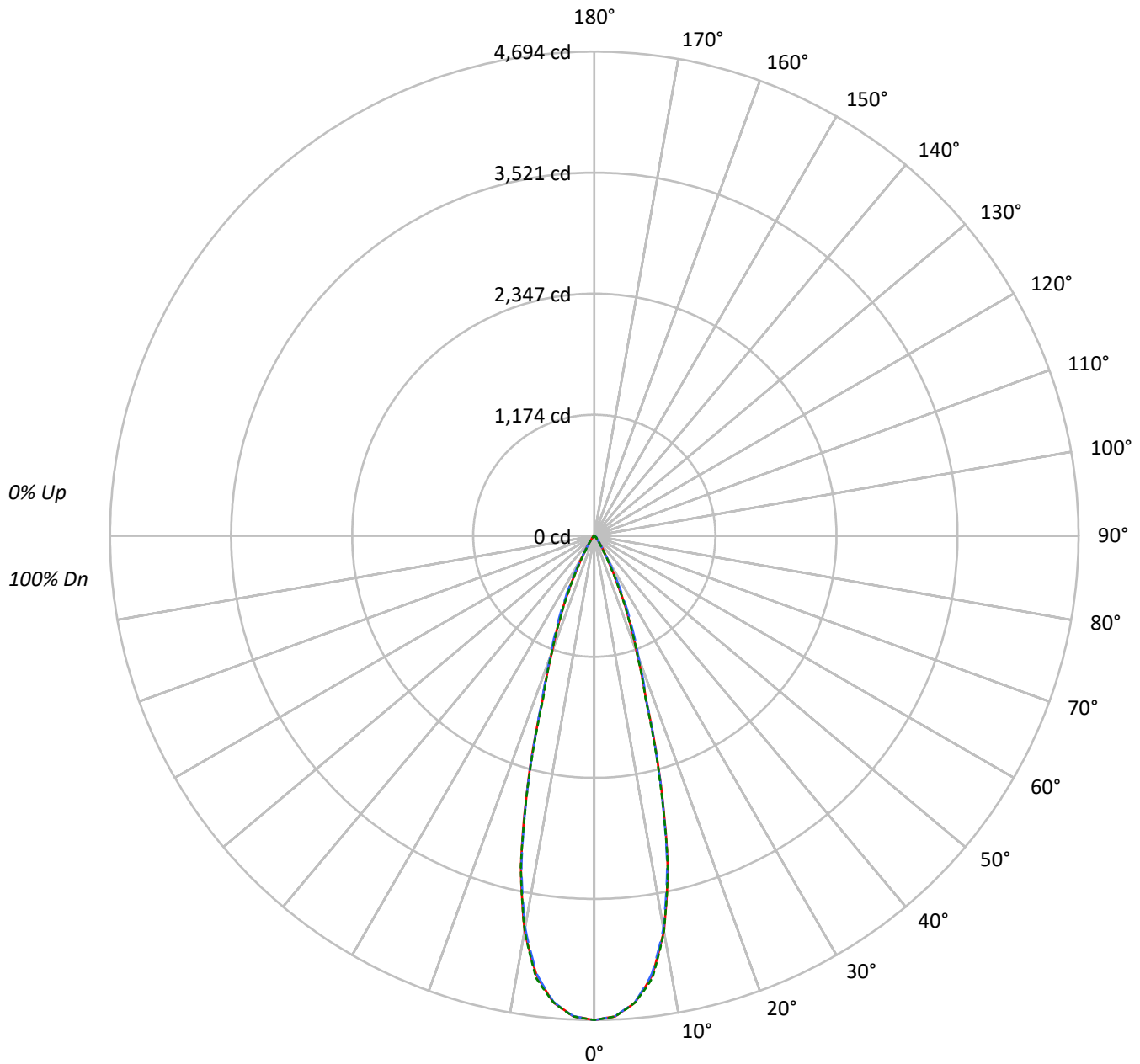
Downlight



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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°	359302	359302	359302
5°	348988	348581	349003
10°	302277	300140	302207
15°	197221	196159	195169
20°	98065	101746	97934
25°	49398	55707	48393
30°	19780	21548	17235
35°	9176	8784	7363
40°	3957	4396	3737
45°	2793	3464	2825
50°	965	2525	1012
55°	547	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: 3464 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.8	28.3
10°-20°	664.8	45.5
20°-30°	287.3	19.7
30°-40°	65.5	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°	1364.8	93.5
0°-40°	1430.3	98.0
0°-60°	1458.2	99.9
0°-90°	1459.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1459.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4694	4694	4694	4694	4694	
5°	4542	4538	4537	4546	4542	413
15°	2489	2459	2475	2467	2463	666
25°	585	607	660	592	573	280
35°	98	100	94	93	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°	4694.1	4694.1	4694.1	4694.1	4694.1
2.5°	4663.0	4659.7	4661.6	4663.9	4664.8
5°	4542.0	4537.6	4536.7	4546.1	4542.2
7.5°	4297.9	4291.7	4282.2	4303.7	4323.7
10°	3889.1	3882.1	3861.6	3871.8	3888.2
12.5°	3285.5	3263.1	3262.7	3294.9	3290.6
15°	2488.8	2458.8	2475.4	2467.4	2462.9
17.5°	1673.6	1662.1	1684.2	1677.5	1648.7
20°	1203.9	1206.9	1249.1	1227.9	1202.3
22.5°	878.5	889.3	939.4	884.8	864.7
25°	584.9	607.0	659.6	591.6	573.0
27.5°	359.8	369.9	423.1	355.1	345.0
30°	223.8	218.7	243.8	209.2	195.0
32.5°	146.8	140.4	148.4	133.2	121.7
35°	98.2	100.3	94.0	93.3	78.8
37.5°	61.3	70.5	62.2	66.3	50.7
40°	39.6	51.2	44.0	48.6	37.4
42.5°	32.5	39.4	36.2	38.5	33.2
45°	25.8	32.0	32.0	32.0	26.1
47.5°	14.3	21.4	27.4	21.9	15.2
50°	8.1	10.8	21.2	11.3	8.5
52.5°	5.6	6.2	14.5	6.5	5.8
55°	4.1	4.4	7.8	4.6	4.4
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)