

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: P760942

Luminaire Tested: LD6D15D010-EU6DR1515309024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR1515309024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1150.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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



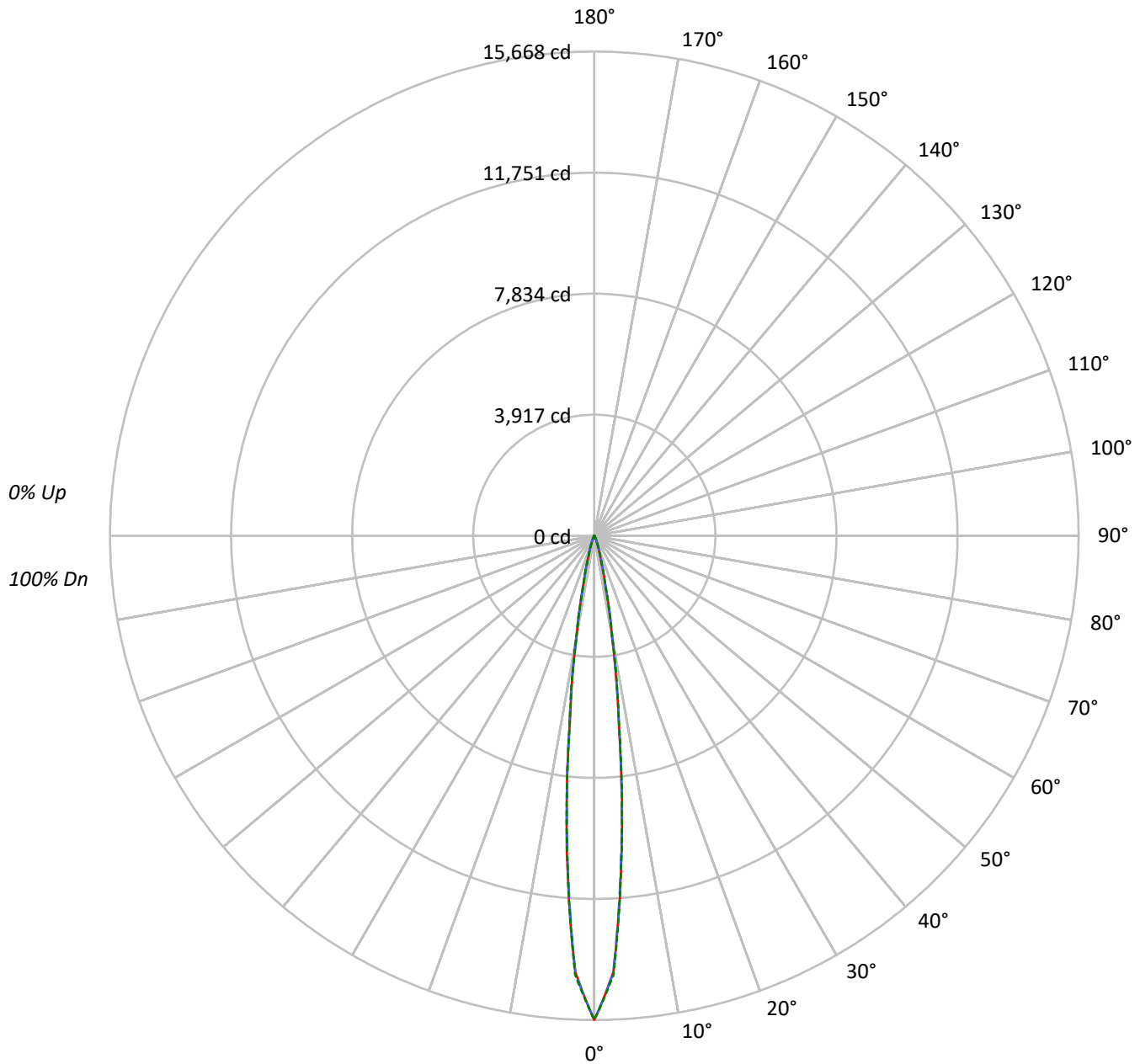
Downlight



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100
3	110	106	103	101	108	105	102	100	103	100	99		100	99	97		98
4	108	103	100	98	106	102	99	97	100	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	98	96	94		97	95	93		96
6	104	99	95	93	102	98	95	93	97	94	92		96	93	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		93
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	99	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	89	87		91	88	87		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1762963	1762963	1762963
5°	1035995	1022590	1030670
10°	309193	311367	316126
15°	76912	78406	75991
20°	23009	26650	23500
25°	8109	10337	8219
30°	2980	3924	3033
35°	1496	1685	1445
40°	944	1037	944
45°	693	742	693
50°	556	556	556
55°	459	459	459
60°	372	372	372
65°	285	285	285
70°	241	241	241
75°	151	151	204
80°	102	102	102
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 742 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.8	64.9
10°-20°	306.8	26.7
20°-30°	60.9	5.3
30°-40°	15.2	1.3
40°-50°	8.0	0.7
50°-60°	5.9	0.5
60°-70°	4.2	0.4
70°-80°	2.4	0.2
80°-90°	0.7	0.1
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°	1113.5	96.8
0°-40°	1128.8	98.2
0°-60°	1142.7	99.4
0°-90°	1150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15668	15668	15668	15668	15668	
5°	10194	10089	10062	10132	10142	744
15°	886	902	903	887	875	304
25°	104	118	133	117	106	55
35°	21	22	23	22	20	14
45°	10	10	11	10	10	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15668.0	15668.0	15668.0	15668.0	15668.0
2.5°	14133.2	14145.1	14149.7	14163.7	14215.4
5°	10193.9	10089.2	10062.0	10131.6	10141.5
7.5°	6038.5	6059.7	6137.3	6154.6	6092.2
10°	3313.7	3340.9	3337.0	3360.8	3388.0
12.5°	1694.7	1673.5	1666.8	1694.0	1656.2
15°	885.5	902.1	902.7	886.8	874.9
17.5°	476.2	495.5	527.3	501.4	461.6
20°	281.2	298.5	325.7	304.4	287.2
22.5°	173.8	187.7	206.9	190.4	176.4
25°	104.1	118.1	132.7	117.4	105.5
27.5°	61.7	73.6	82.9	73.0	61.0
30°	39.8	46.4	52.4	45.8	40.5
32.5°	27.9	30.5	33.2	30.5	27.9
35°	20.6	21.9	23.2	21.9	19.9
37.5°	15.9	17.2	17.9	16.6	15.3
40°	13.3	13.9	14.6	13.9	13.3
42.5°	11.3	11.9	11.9	11.9	11.3
45°	9.9	9.9	10.6	9.9	9.9
47.5°	8.6	8.6	9.3	8.6	8.6
50°	8.0	8.0	8.0	8.0	8.0
52.5°	7.3	7.3	7.3	7.3	7.3
55°	6.6	6.6	6.6	6.6	6.6
57.5°	6.0	6.0	6.0	6.0	6.0
60°	5.3	5.3	5.3	5.3	5.3
62.5°	4.6	4.6	4.6	4.6	4.6
65°	4.0	4.0	4.0	4.0	4.0
67.5°	4.0	4.0	4.0	4.0	4.0
70°	3.3	3.3	3.3	3.3	3.3
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.0	2.0	2.0	2.0	2.7
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7
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)