

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: P760989

Luminaire Tested: LD6D15D010-EU6DR1515309040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760989
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-EU6DR1515309040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1401.1 lumens
Efficiency: N/A
Efficacy: 88.7 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 (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



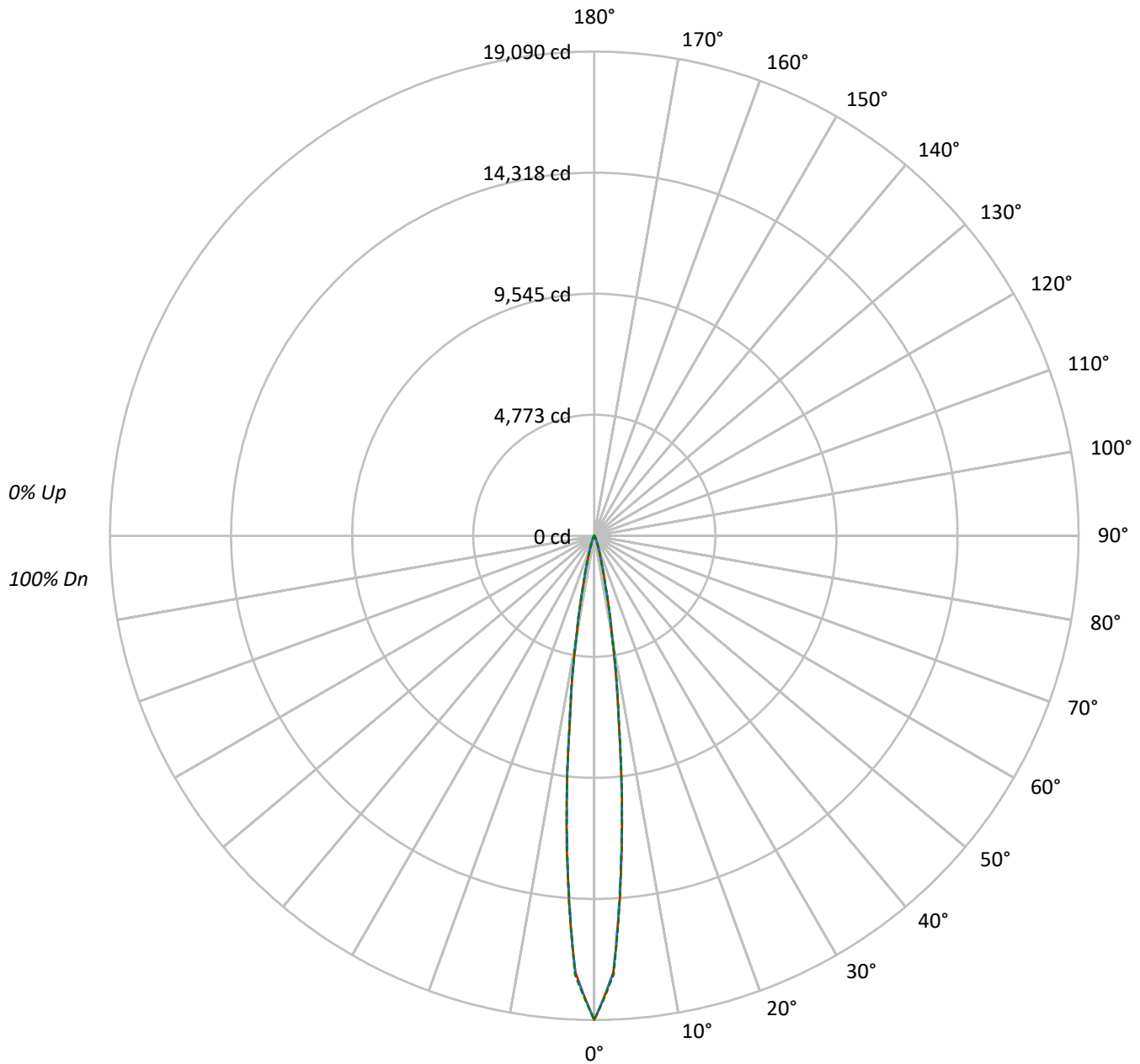
Downlight



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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	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°	2147995	2147995	2147995
5°	1262261	1245920	1255778
10°	376729	379370	385174
15°	93710	95534	92581
20°	28041	32467	28630
25°	9886	12589	10010
30°	3632	4777	3692
35°	1823	2055	1757
40°	1150	1264	1150
45°	847	903	847
50°	675	675	675
55°	564	564	564
60°	456	456	456
65°	343	343	343
70°	293	293	293
75°	181	181	242
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	908.7	64.9
10°-20°	373.8	26.7
20°-30°	74.2	5.3
30°-40°	18.5	1.3
40°-50°	9.7	0.7
50°-60°	7.2	0.5
60°-70°	5.1	0.4
70°-80°	2.9	0.2
80°-90°	0.9	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°	1356.7	96.8
0°-40°	1375.3	98.2
0°-60°	1392.2	99.4
0°-90°	1401.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1401.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19090	19090	19090	19090	19090	
5°	12420	12293	12260	12344	12356	907
15°	1079	1099	1100	1080	1066	370
25°	127	144	162	143	128	67
35°	25	27	28	27	24	17
45°	12	12	13	12	12	9
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
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°	19089.9	19089.9	19089.9	19089.9	19089.9
2.5°	17219.9	17234.4	17240.1	17257.0	17320.1
5°	12420.3	12292.6	12259.5	12344.4	12356.5
7.5°	7357.3	7383.2	7477.7	7498.7	7422.8
10°	4037.5	4070.6	4065.8	4094.9	4128.0
12.5°	2064.8	2038.9	2030.9	2064.0	2017.9
15°	1078.9	1099.1	1099.9	1080.5	1065.9
17.5°	580.2	603.7	642.5	611.0	562.5
20°	342.7	363.7	396.8	370.9	349.9
22.5°	211.7	228.7	252.1	231.9	215.0
25°	126.9	143.8	161.6	143.0	128.5
27.5°	75.2	89.7	101.0	88.9	74.3
30°	48.5	56.6	63.8	55.8	49.3
32.5°	33.9	37.2	40.4	37.2	33.9
35°	25.1	26.7	28.3	26.7	24.2
37.5°	19.4	21.0	21.8	20.2	18.6
40°	16.2	17.0	17.8	17.0	16.2
42.5°	13.7	14.5	14.5	14.5	13.7
45°	12.1	12.1	12.9	12.1	12.1
47.5°	10.5	10.5	11.3	10.5	10.5
50°	9.7	9.7	9.7	9.7	9.7
52.5°	8.9	8.9	8.9	8.9	8.9
55°	8.1	8.1	8.1	8.1	8.1
57.5°	7.3	7.3	7.3	7.3	7.3
60°	6.5	6.5	6.5	6.5	6.5
62.5°	5.7	5.7	5.7	5.7	5.7
65°	4.8	4.8	4.8	4.8	4.8
67.5°	4.8	4.8	4.8	4.8	4.8
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.4	2.4	2.4	2.4	3.2
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
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)