

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: P759981

Luminaire Tested: LD6D10D010-EU6DR150210IC9040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759981
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: LD6D10D010-EU6DR150210IC9040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1072.5 lumens
Efficiency: N/A
Efficacy: 91.7 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): 11.7
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



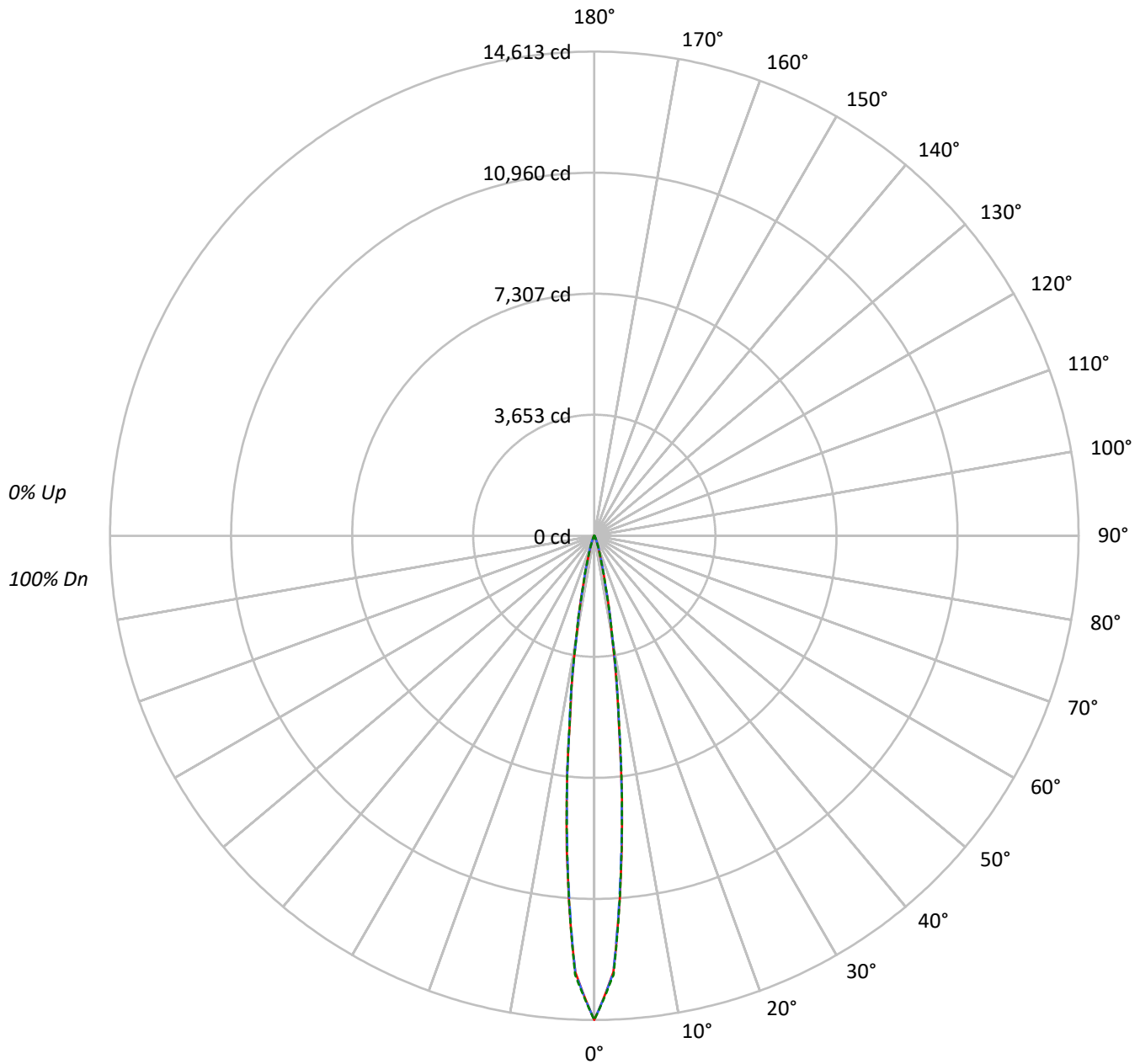
Downlight



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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°	1644265	1644265	1644265
5°	966247	953736	961287
10°	288376	290401	294843
15°	71735	73125	70875
20°	21462	24850	21920
25°	7564	9636	7665
30°	2778	3662	2823
35°	1394	1576	1351
40°	881	966	881
45°	651	693	651
50°	515	515	515
55°	432	432	432
60°	344	344	344
65°	264	264	264
70°	227	227	227
75°	144	144	189
80°	95	95	95
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 693 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.6	64.9
10°-20°	286.1	26.7
20°-30°	56.8	5.3
30°-40°	14.2	1.3
40°-50°	7.4	0.7
50°-60°	5.5	0.5
60°-70°	3.9	0.4
70°-80°	2.2	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°	1038.6	96.8
0°-40°	1052.8	98.2
0°-60°	1065.7	99.4
0°-90°	1072.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1072.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14613	14613	14613	14613	14613	
5°	9508	9410	9384	9450	9459	694
15°	826	841	842	827	816	283
25°	97	110	124	110	98	51
35°	19	20	22	20	19	13
45°	9	9	10	9	9	7
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	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°	14613.1	14613.1	14613.1	14613.1	14613.1
2.5°	13181.6	13192.8	13197.1	13210.1	13258.3
5°	9507.6	9409.9	9384.5	9449.5	9458.8
7.5°	5632.0	5651.7	5724.1	5740.2	5682.1
10°	3090.6	3116.0	3112.3	3134.6	3159.9
12.5°	1580.6	1560.8	1554.6	1580.0	1544.7
15°	825.9	841.3	841.9	827.1	816.0
17.5°	444.2	462.1	491.8	467.7	430.6
20°	262.3	278.4	303.7	283.9	267.9
22.5°	162.1	175.1	193.0	177.5	164.6
25°	97.1	110.1	123.7	109.5	98.4
27.5°	57.5	68.7	77.3	68.0	56.9
30°	37.1	43.3	48.9	42.7	37.7
32.5°	26.0	28.5	30.9	28.5	26.0
35°	19.2	20.4	21.7	20.4	18.6
37.5°	14.8	16.1	16.7	15.5	14.2
40°	12.4	13.0	13.6	13.0	12.4
42.5°	10.5	11.1	11.1	11.1	10.5
45°	9.3	9.3	9.9	9.3	9.3
47.5°	8.0	8.0	8.7	8.0	8.0
50°	7.4	7.4	7.4	7.4	7.4
52.5°	6.8	6.8	6.8	6.8	6.8
55°	6.2	6.2	6.2	6.2	6.2
57.5°	5.6	5.6	5.6	5.6	5.6
60°	4.9	4.9	4.9	4.9	4.9
62.5°	4.3	4.3	4.3	4.3	4.3
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.1	3.1	3.1	3.1	3.1
72.5°	2.5	2.5	2.5	2.5	2.5
75°	1.9	1.9	1.9	1.9	2.5
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6
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)