

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: P761178

Luminaire Tested: LD6D15D010-EU6DR300215IC9024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761178
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-EU6DR300215IC9024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 903.5 lumens
Efficiency: N/A
Efficacy: 57.2 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



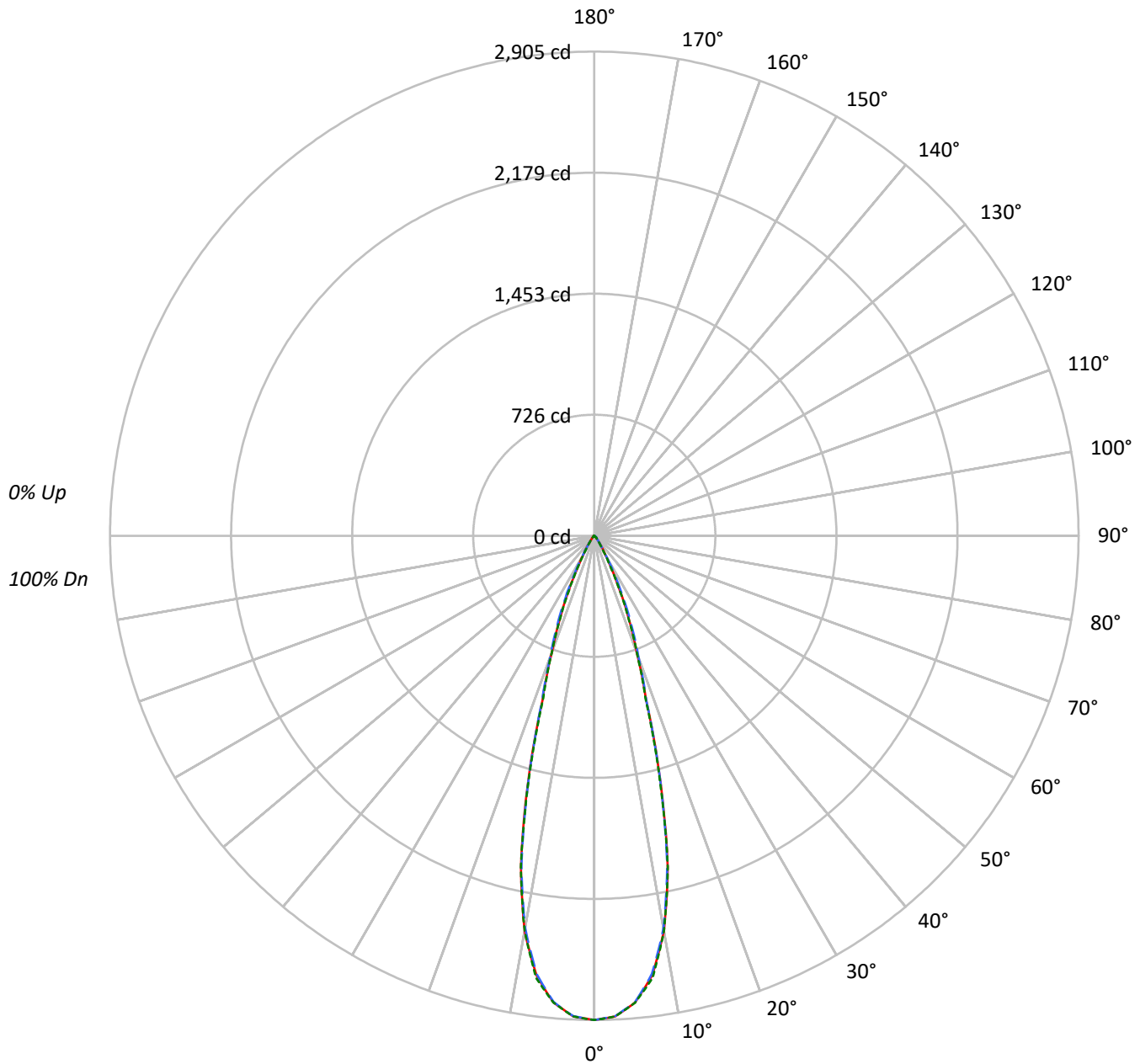
Downlight



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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°	222382	222382	222382
5°	215993	215747	216008
10°	187090	185769	187043
15°	122067	121409	120799
20°	60701	62973	60611
25°	30573	34475	29948
30°	12241	13337	10668
35°	5681	5438	4560
40°	2448	2728	2308
45°	1732	2143	1743
50°	595	1560	631
55°	347	654	360
60°	230	276	230
65°	163	163	163
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.5	28.3
10°-20°	411.4	45.5
20°-30°	177.8	19.7
30°-40°	40.5	4.5
40°-50°	13.9	1.5
50°-60°	3.4	0.4
60°-70°	0.9	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°	844.7	93.5
0°-40°	885.3	98.0
0°-60°	902.6	99.9
0°-90°	903.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2905	2905	2905	2905	2905	
5°	2811	2808	2808	2814	2811	256
15°	1540	1522	1532	1527	1524	412
25°	362	376	408	366	355	173
35°	61	62	58	58	49	41
45°	16	20	20	20	16	11
55°	3	3	5	3	3	2
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°	2905.3	2905.3	2905.3	2905.3	2905.3
2.5°	2886.1	2884.1	2885.2	2886.6	2887.2
5°	2811.1	2808.4	2807.9	2813.7	2811.3
7.5°	2660.1	2656.3	2650.4	2663.6	2676.1
10°	2407.1	2402.8	2390.1	2396.4	2406.5
12.5°	2033.5	2019.7	2019.4	2039.3	2036.6
15°	1540.4	1521.8	1532.1	1527.1	1524.4
17.5°	1035.8	1028.7	1042.4	1038.3	1020.4
20°	745.2	747.0	773.1	760.0	744.1
22.5°	543.7	550.4	581.4	547.6	535.2
25°	362.0	375.7	408.2	366.2	354.6
27.5°	222.6	229.0	261.9	219.8	213.5
30°	138.5	135.4	150.9	129.5	120.7
32.5°	90.9	86.9	91.8	82.4	75.3
35°	60.8	62.1	58.2	57.8	48.8
37.5°	37.9	43.7	38.5	41.1	31.4
40°	24.5	31.7	27.3	30.1	23.1
42.5°	20.1	24.4	22.4	23.8	20.5
45°	16.0	19.8	19.8	19.8	16.1
47.5°	8.8	13.3	17.0	13.6	9.4
50°	5.0	6.7	13.1	7.0	5.3
52.5°	3.4	3.8	9.0	4.0	3.6
55°	2.6	2.7	4.9	2.9	2.7
57.5°	2.0	2.1	2.6	2.1	2.0
60°	1.5	1.5	1.8	1.7	1.5
62.5°	1.1	1.1	1.3	1.1	1.1
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.4	0.6	0.6	0.6	0.6
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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)