

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: P768510

Luminaire Tested: LD6D55D010-EU6DR6555659030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR6555659030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6305.9 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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

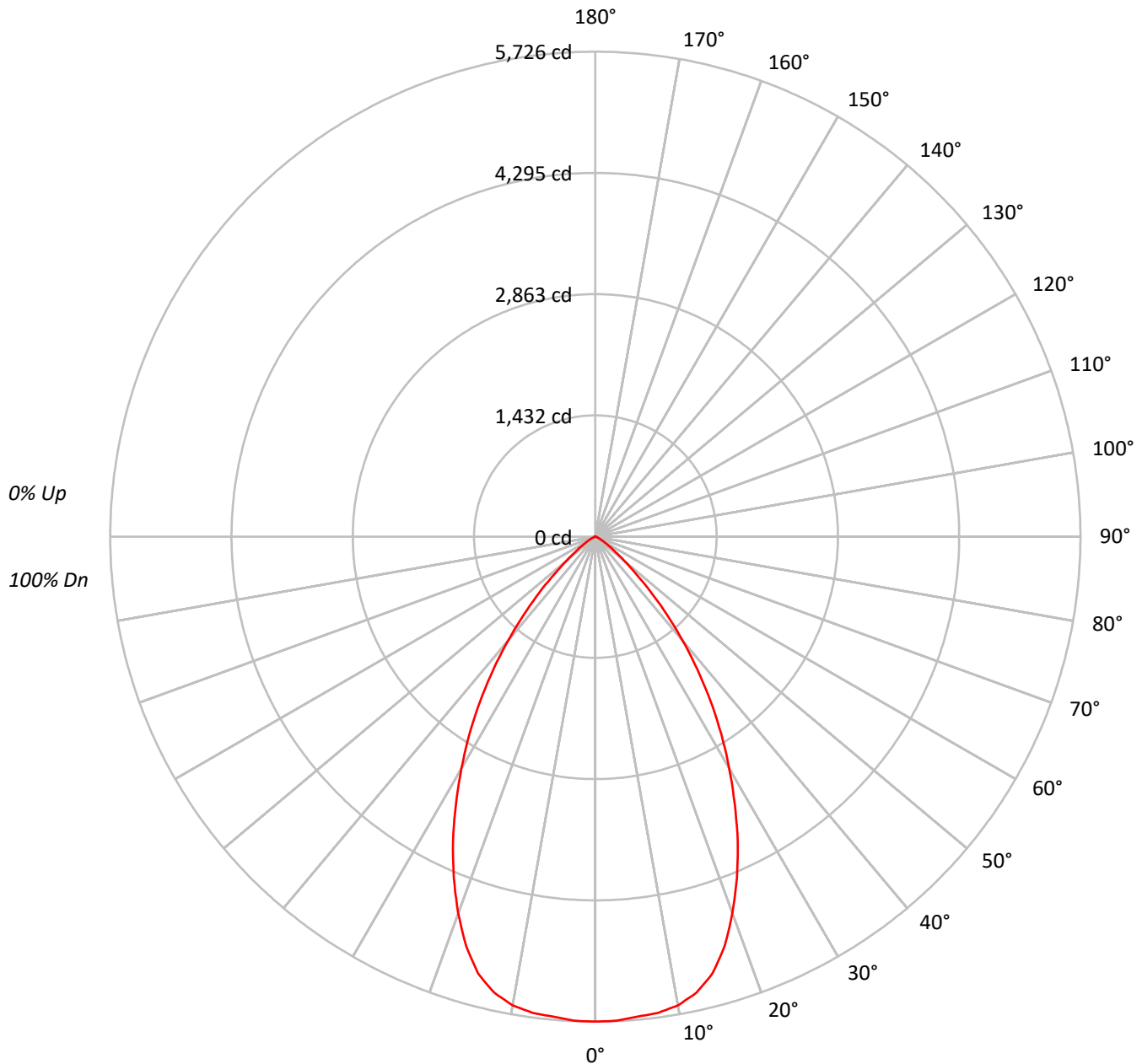


Downlight

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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	334397
5°	333552
10°	333270
15°	322993
20°	294048
25°	256245
30°	213121
35°	168869
40°	121879
45°	76996
50°	40133
55°	21332
60°	11202
65°	6164
70°	2578
75°	2843
80°	1984
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76996 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.5	8.6
10°-20°	1482.7	23.5
20°-30°	1812.4	28.7
30°-40°	1470.5	23.3
40°-50°	732.8	11.6
50°-60°	204.4	3.2
60°-70°	46.4	0.7
70°-80°	12.1	0.2
80°-90°	3.1	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°	3836.6	60.8
0°-40°	5307.1	84.2
0°-60°	6244.3	99.0
0°-90°	6305.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6305.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5726	
5°	5689	541
15°	5342	1483
25°	3976	1812
35°	2368	1471
45°	932	733
55°	210	204
65°	45	46
75°	13	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5725.6
2.5°	5721.4
5°	5689.4
7.5°	5670.9
10°	5619.6
12.5°	5515.2
15°	5341.9
17.5°	5071.0
20°	4731.1
22.5°	4364.2
25°	3976.4
27.5°	3561.6
30°	3160.2
32.5°	2763.9
35°	2368.5
37.5°	1973.9
40°	1598.6
42.5°	1246.9
45°	932.2
47.5°	649.5
50°	441.7
52.5°	304.6
55°	209.5
57.5°	141.4
60°	95.9
62.5°	66.5
65°	44.6
67.5°	22.7
70°	15.1
72.5°	14.3
75°	12.6
77.5°	8.4
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)