

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: P762945

Luminaire Tested: LD6D25D010-EU6DR2015309024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR2015309024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2759.4 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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



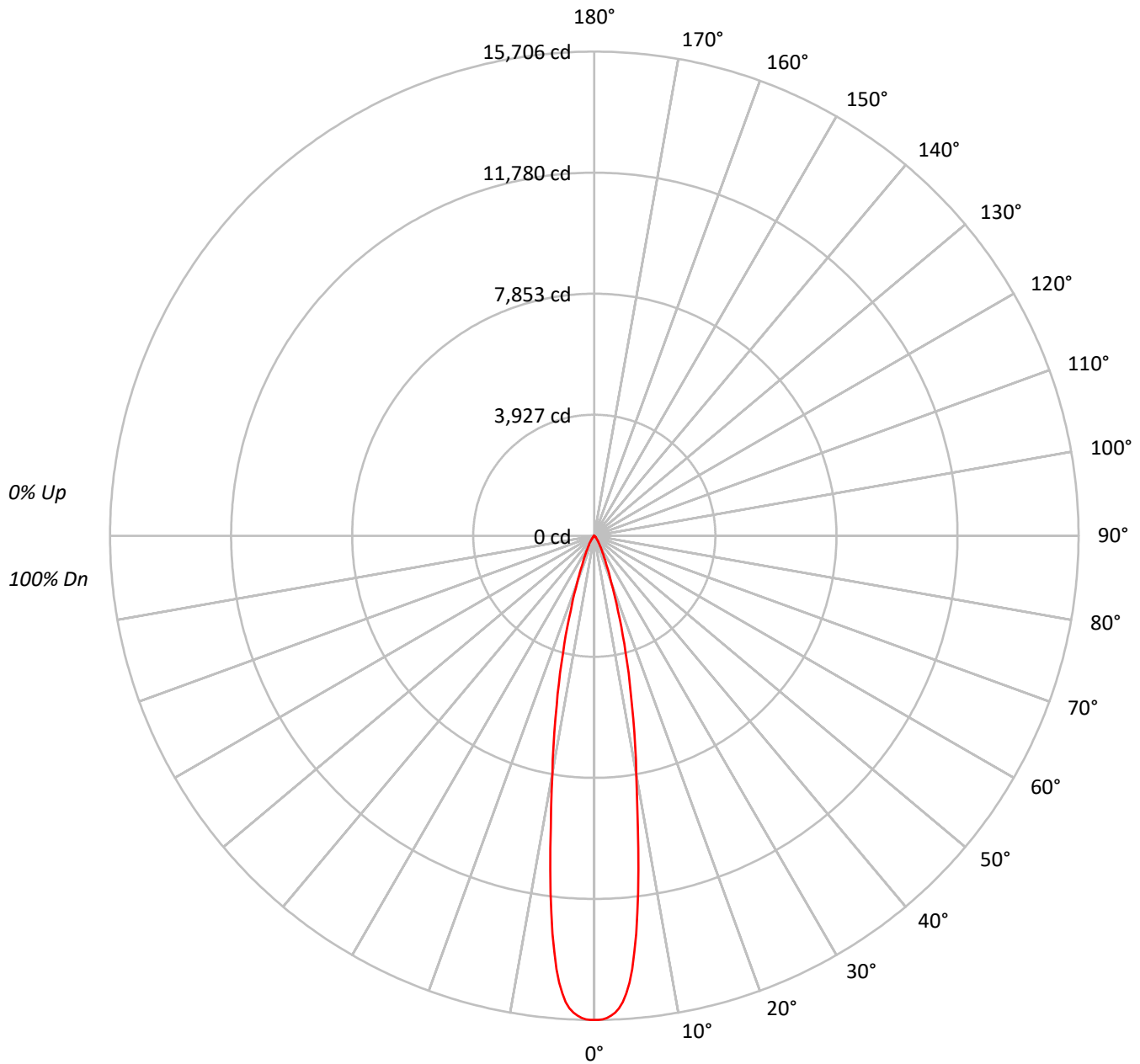
Downlight



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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	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1716038
5°	1548183
10°	868931
15°	441692
20°	187013
25°	86330
30°	45696
35°	24622
40°	13165
45°	7772
50°	4521
55°	2400
60°	1530
65°	1086
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7772 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1118.2	40.5
10°-20°	1101.1	39.9
20°-30°	359.7	13.0
30°-40°	122.5	4.4
40°-50°	41.2	1.5
50°-60°	12.4	0.4
60°-70°	4.1	0.1
70°-80°	0.2	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°	2579.1	93.5
0°-40°	2701.5	97.9
0°-60°	2755.1	99.8
0°-90°	2759.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2759.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15706	
5°	14116	###
15°	3905	1101
25°	716	360
35°	185	122
45°	50	41
55°	13	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15705.9
0.5°	15705.9
1°	15686.3
1.5°	15647.1
2°	15575.8
2.5°	15480.7
3°	15346.5
3.5°	15159.0
4°	14880.7
4.5°	14542.3
5°	14115.7
5.5°	13554.9
6°	12980.1
6.5°	12321.4
7°	11676.6
7.5°	10921.4
8°	10247.3
8.5°	9569.0
9°	8942.4
9.5°	8367.6
10°	7832.0
12.5°	5623.6
15°	3904.8
17.5°	2551.0
20°	1608.4
22.5°	1041.9
25°	716.1
27.5°	503.5
30°	362.2
32.5°	260.1
35°	184.6
37.5°	128.7
40°	92.3
42.5°	67.1
45°	50.3
47.5°	39.2
50°	26.6
52.5°	16.8
55°	12.6
57.5°	9.8
60°	7.0
62.5°	5.6
65°	4.2



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







67.5°	2.8
70°	1.4



(END OF REPORT)