

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: P762009

Luminaire Tested: LD6D20D010-EU6DR2015309024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762009
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: LD6D20D010-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: 1866.2 lumens
Efficiency: N/A
Efficacy: 80.8 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): 23.1
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



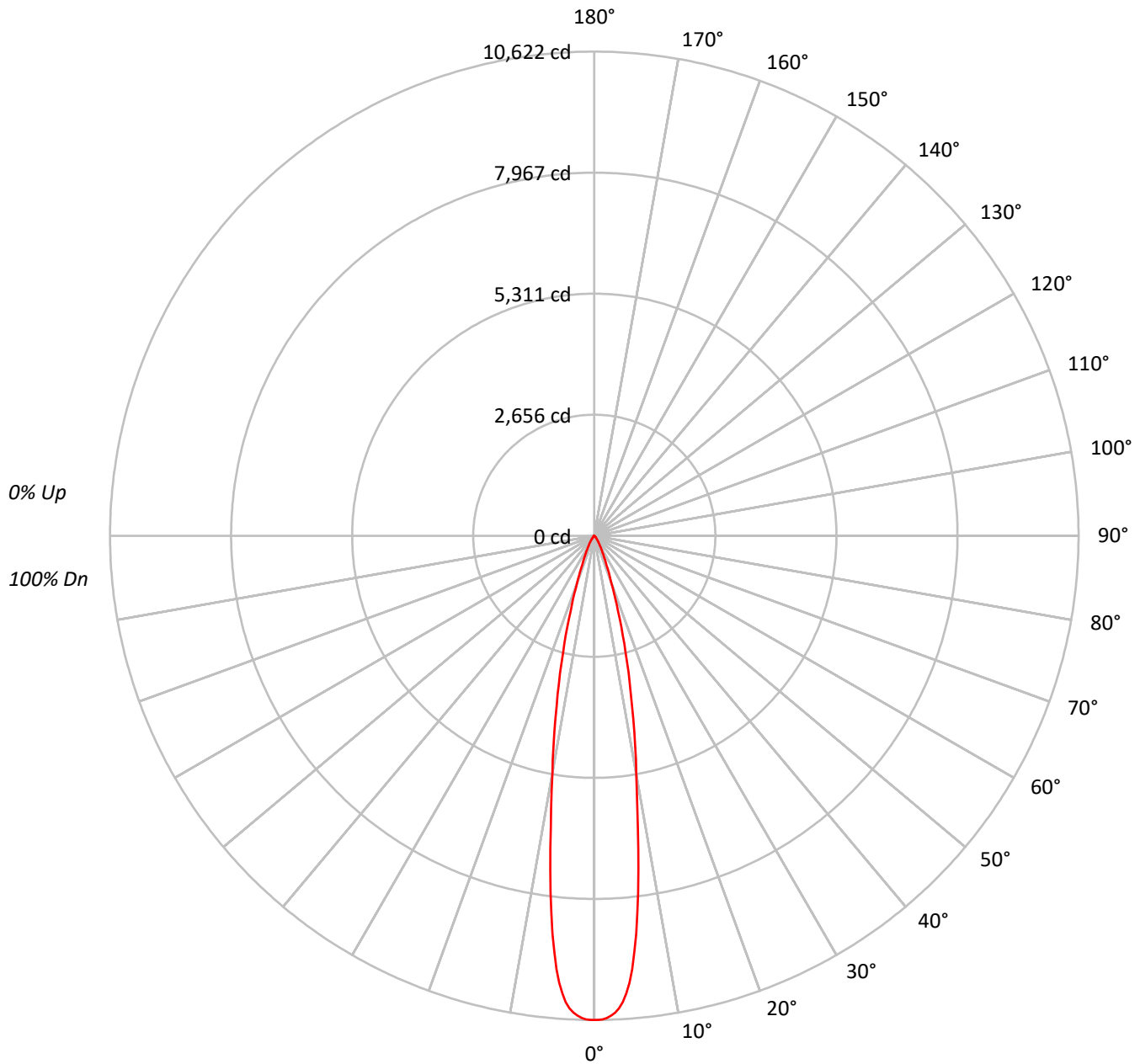
Downlight



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	115	113	111	109	113	111	109	108		107	106	104			103	102	101			97
2	111	108	105	102	109	106	104	101		103	101	99			100	99	97			94
3	108	103	100	97	106	102	99	96		100	97	95			97	95	93			91
4	105	99	96	93	103	98	95	92		96	93	91			95	92	90			88
5	102	96	92	89	100	95	91	89		94	90	88			92	89	87			85
6	99	93	89	86	98	92	88	86		91	87	85			90	87	84			83
7	96	90	86	83	95	89	86	83		88	85	82			87	84	82			81
8	94	87	83	81	93	87	83	80		86	83	80			85	82	80			79
9	91	85	81	78	91	85	81	78		84	80	78			83	80	78			77
10	89	83	79	76	88	82	79	76		82	78	76			81	78	76			75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1160579
5°	1047064
10°	587671
15°	298726
20°	126482
25°	58385
30°	30910
35°	16660
40°	8900
45°	5269
50°	3060
55°	1619
60°	1027
65°	724
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5269 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	756.3	40.5
10°-20°	744.7	39.9
20°-30°	243.3	13.0
30°-40°	82.8	4.4
40°-50°	27.9	1.5
50°-60°	8.4	0.4
60°-70°	2.8	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°	1744.3	93.5
0°-40°	1827.1	97.9
0°-60°	1863.3	99.8
0°-90°	1866.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1866.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10622	
5°	9547	756
15°	2641	745
25°	484	243
35°	125	83
45°	34	28
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10622.1
0.5°	10622.1
1°	10608.9
1.5°	10582.4
2°	10534.2
2.5°	10469.9
3°	10379.1
3.5°	10252.3
4°	10064.1
4.5°	9835.2
5°	9546.7
5.5°	9167.4
6°	8778.6
6.5°	8333.1
7°	7897.1
7.5°	7386.3
8°	6930.4
8.5°	6471.7
9°	6047.9
9.5°	5659.2
10°	5296.9
12.5°	3803.4
15°	2640.9
17.5°	1725.3
20°	1087.8
22.5°	704.7
25°	484.3
27.5°	340.5
30°	245.0
32.5°	175.9
35°	124.9
37.5°	87.0
40°	62.4
42.5°	45.4
45°	34.1
47.5°	26.5
50°	18.0
52.5°	11.4
55°	8.5
57.5°	6.6
60°	4.7
62.5°	3.8
65°	2.8



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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°	1.9
70°	0.9



(END OF REPORT)