

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: P762072

Luminaire Tested: LD6D20D010-EU6DR2015309050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762072
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-EU6DR2015309050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2007.8 lumens
Efficiency: N/A
Efficacy: 86.9 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): 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



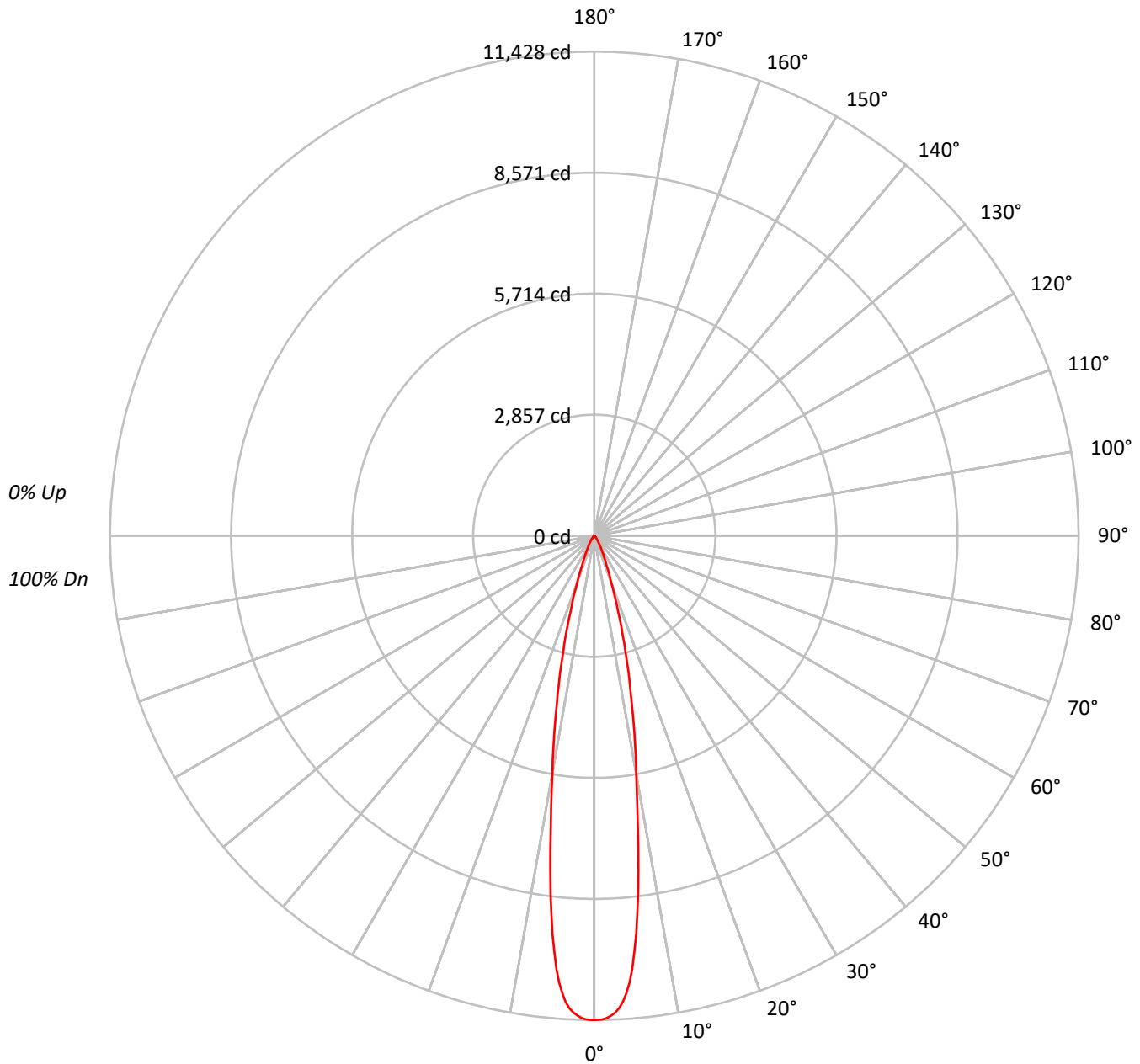
Downlight



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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				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°	1248654
5°	1126515
10°	632261
15°	321394
20°	136074
25°	62810
30°	33257
35°	17913
40°	9585
45°	5655
50°	3281
55°	1753
60°	1114
65°	801
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5655 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.7	40.5
10°-20°	801.2	39.9
20°-30°	261.7	13.0
30°-40°	89.1	4.4
40°-50°	29.9	1.5
50°-60°	9.0	0.4
60°-70°	3.0	0.2
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°	1876.6	93.5
0°-40°	1965.7	97.9
0°-60°	2004.7	99.8
0°-90°	2007.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2007.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11428	
5°	10271	814
15°	2841	801
25°	521	262
35°	134	89
45°	37	30
55°	9	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11428.2
0.5°	11428.2
1°	11414.0
1.5°	11385.5
2°	11333.6
2.5°	11264.4
3°	11166.7
3.5°	11030.3
4°	10827.8
4.5°	10581.5
5°	10271.1
5.5°	9863.1
6°	9444.8
6.5°	8965.5
7°	8496.4
7.5°	7946.8
8°	7456.3
8.5°	6962.8
9°	6506.9
9.5°	6088.6
10°	5698.8
12.5°	4092.0
15°	2841.3
17.5°	1856.2
20°	1170.3
22.5°	758.1
25°	521.0
27.5°	366.4
30°	263.6
32.5°	189.3
35°	134.3
37.5°	93.6
40°	67.2
42.5°	48.8
45°	36.6
47.5°	28.5
50°	19.3
52.5°	12.2
55°	9.2
57.5°	7.1
60°	5.1
62.5°	4.1
65°	3.1



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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°	2.0
70°	1.0



(END OF REPORT)