

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: P761059

Luminaire Tested: LD6D15D010-EU6DR2015309035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761059
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: LD6D15D010-EU6DR2015309035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1439.8 lumens
Efficiency: N/A
Efficacy: 91.1 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): 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



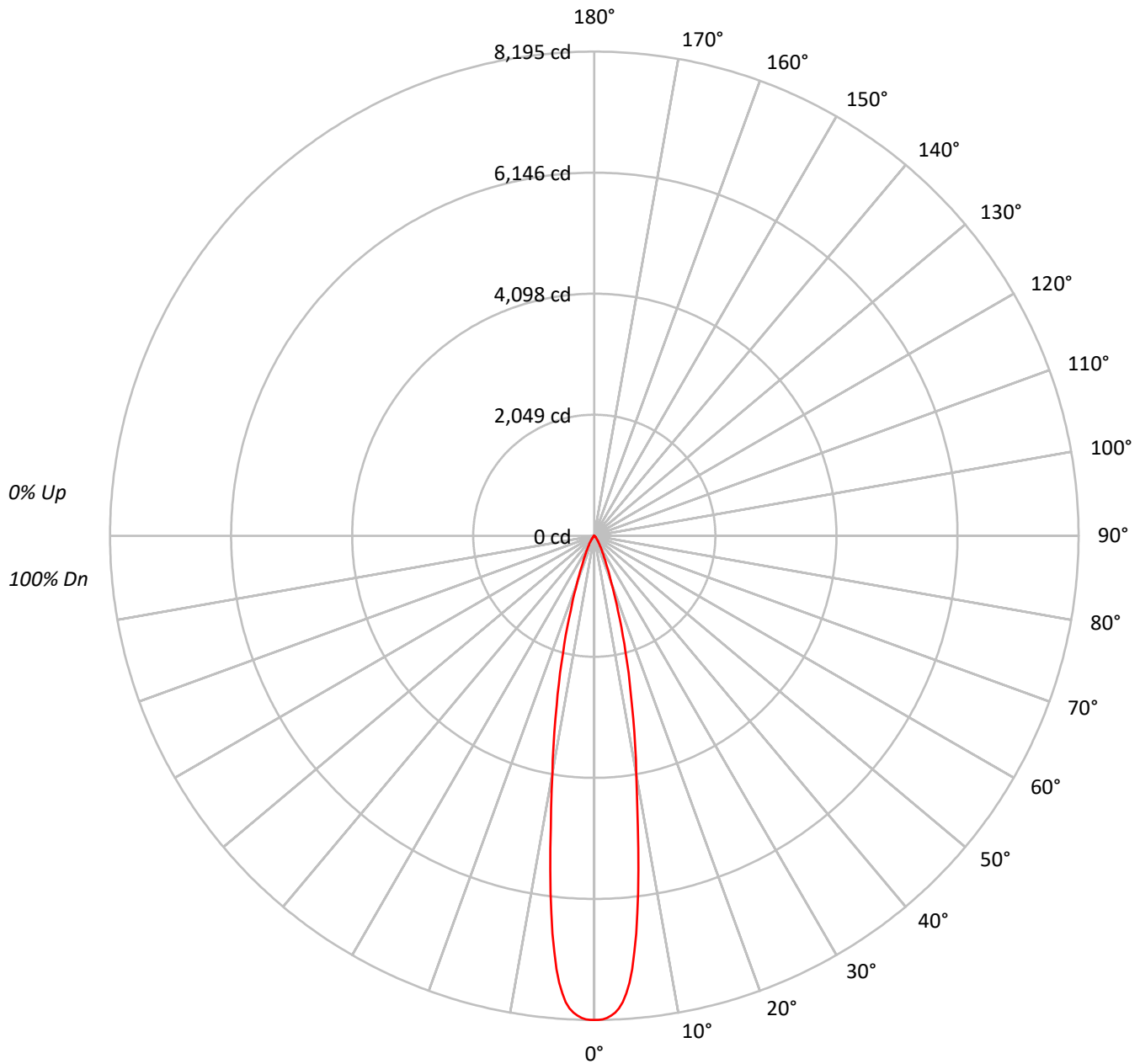
Downlight



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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	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°	895425
5°	807845
10°	453404
15°	230472
20°	97576
25°	45040
30°	23845
35°	12845
40°	6875
45°	4064
50°	2363
55°	1257
60°	787
65°	569
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4064 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.5	40.5
10°-20°	574.6	39.9
20°-30°	187.7	13.0
30°-40°	63.9	4.4
40°-50°	21.5	1.5
50°-60°	6.5	0.5
60°-70°	2.2	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°	1345.7	93.5
0°-40°	1409.6	97.9
0°-60°	1437.6	99.8
0°-90°	1439.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1439.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8195	
5°	7366	583
15°	2038	575
25°	374	188
35°	96	64
45°	26	21
55°	7	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8195.3
0.5°	8195.3
1°	8185.1
1.5°	8164.7
2°	8127.4
2.5°	8077.8
3°	8007.8
3.5°	7910.0
4°	7764.7
4.5°	7588.1
5°	7365.6
5.5°	7072.9
6°	6773.0
6.5°	6429.3
7°	6092.8
7.5°	5698.8
8°	5347.0
8.5°	4993.1
9°	4666.1
9.5°	4366.2
10°	4086.7
12.5°	2934.4
15°	2037.5
17.5°	1331.1
20°	839.2
22.5°	543.7
25°	373.6
27.5°	262.7
30°	189.0
32.5°	135.7
35°	96.3
37.5°	67.1
40°	48.2
42.5°	35.0
45°	26.3
47.5°	20.4
50°	13.9
52.5°	8.8
55°	6.6
57.5°	5.1
60°	3.6
62.5°	2.9
65°	2.2



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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°	1.5
70°	0.7



(END OF REPORT)