

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: P761060

Luminaire Tested: LD6D15D010-EU6DR2015309035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761060
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-EU6DR2015309035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1538.9 lumens
Efficiency: N/A
Efficacy: 97.4 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 (A_{in}): 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



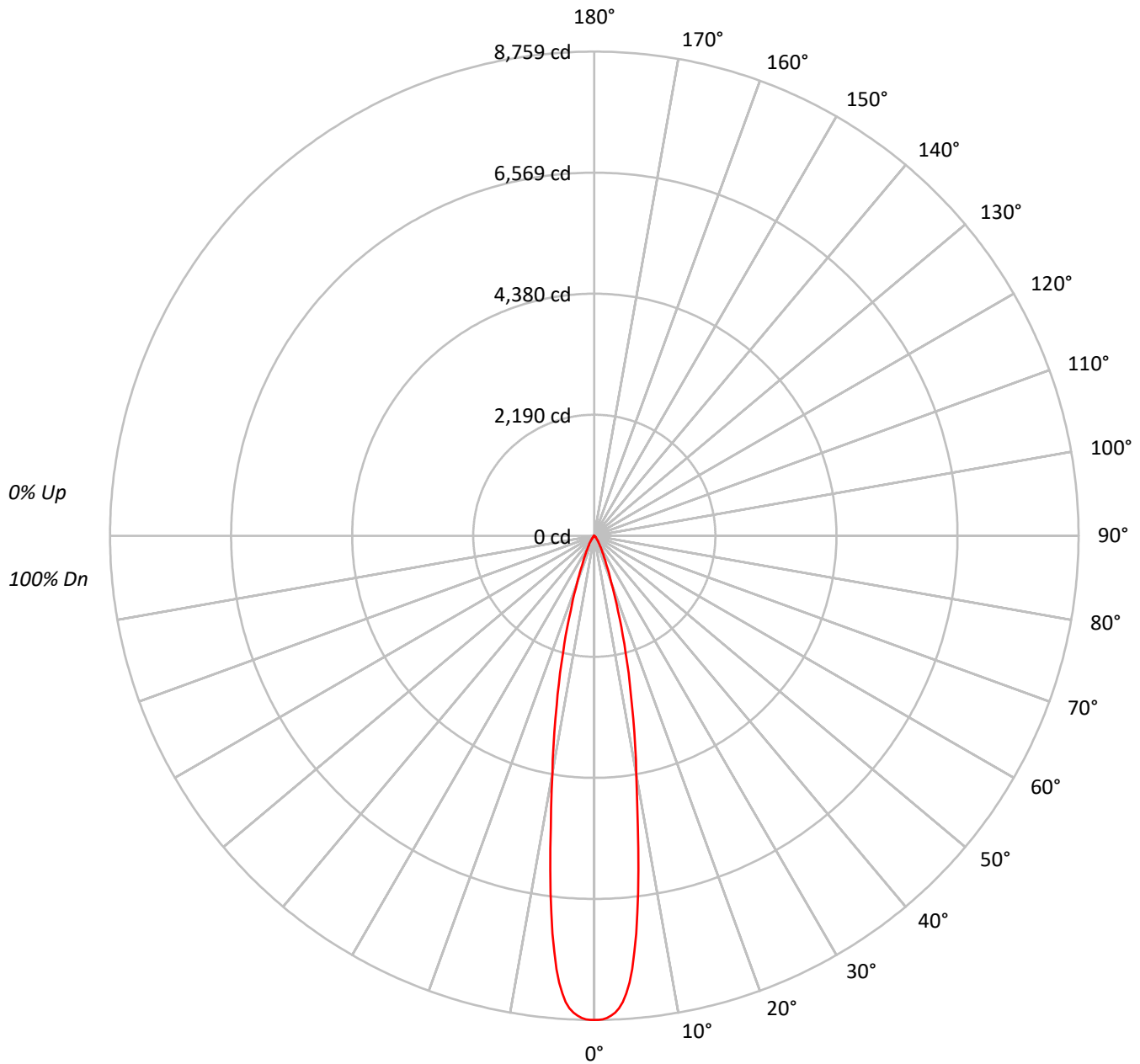
Downlight



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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°	957026
5°	863419
10°	484602
15°	246331
20°	104297
25°	48138
30°	25485
35°	13738
40°	7345
45°	4342
50°	2516
55°	1333
60°	852
65°	595
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4342 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.6	40.5
10°-20°	614.1	39.9
20°-30°	200.6	13.0
30°-40°	68.3	4.4
40°-50°	23.0	1.5
50°-60°	6.9	0.5
60°-70°	2.3	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°	1438.3	93.5
0°-40°	1506.7	97.9
0°-60°	1536.5	99.8
0°-90°	1538.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8759	
5°	7872	624
15°	2178	614
25°	399	201
35°	103	68
45°	28	23
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8759.1
0.5°	8759.1
1°	8748.2
1.5°	8726.4
2°	8686.6
2.5°	8633.6
3°	8558.7
3.5°	8454.2
4°	8298.9
4.5°	8110.2
5°	7872.3
5.5°	7559.5
6°	7239.0
6.5°	6871.6
7°	6512.0
7.5°	6090.8
8°	5714.9
8.5°	5336.6
9°	4987.2
9.5°	4666.6
10°	4367.9
12.5°	3136.3
15°	2177.7
17.5°	1422.7
20°	897.0
22.5°	581.1
25°	399.3
27.5°	280.8
30°	202.0
32.5°	145.1
35°	103.0
37.5°	71.8
40°	51.5
42.5°	37.4
45°	28.1
47.5°	21.8
50°	14.8
52.5°	9.4
55°	7.0
57.5°	5.5
60°	3.9
62.5°	3.1
65°	2.3



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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°	1.6
70°	0.8



(END OF REPORT)