

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: P761044

Luminaire Tested: LD6D15D010-EU6DR2015309030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761044
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-EU6DR2015309030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1268.6 lumens
Efficiency: N/A
Efficacy: 80.3 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



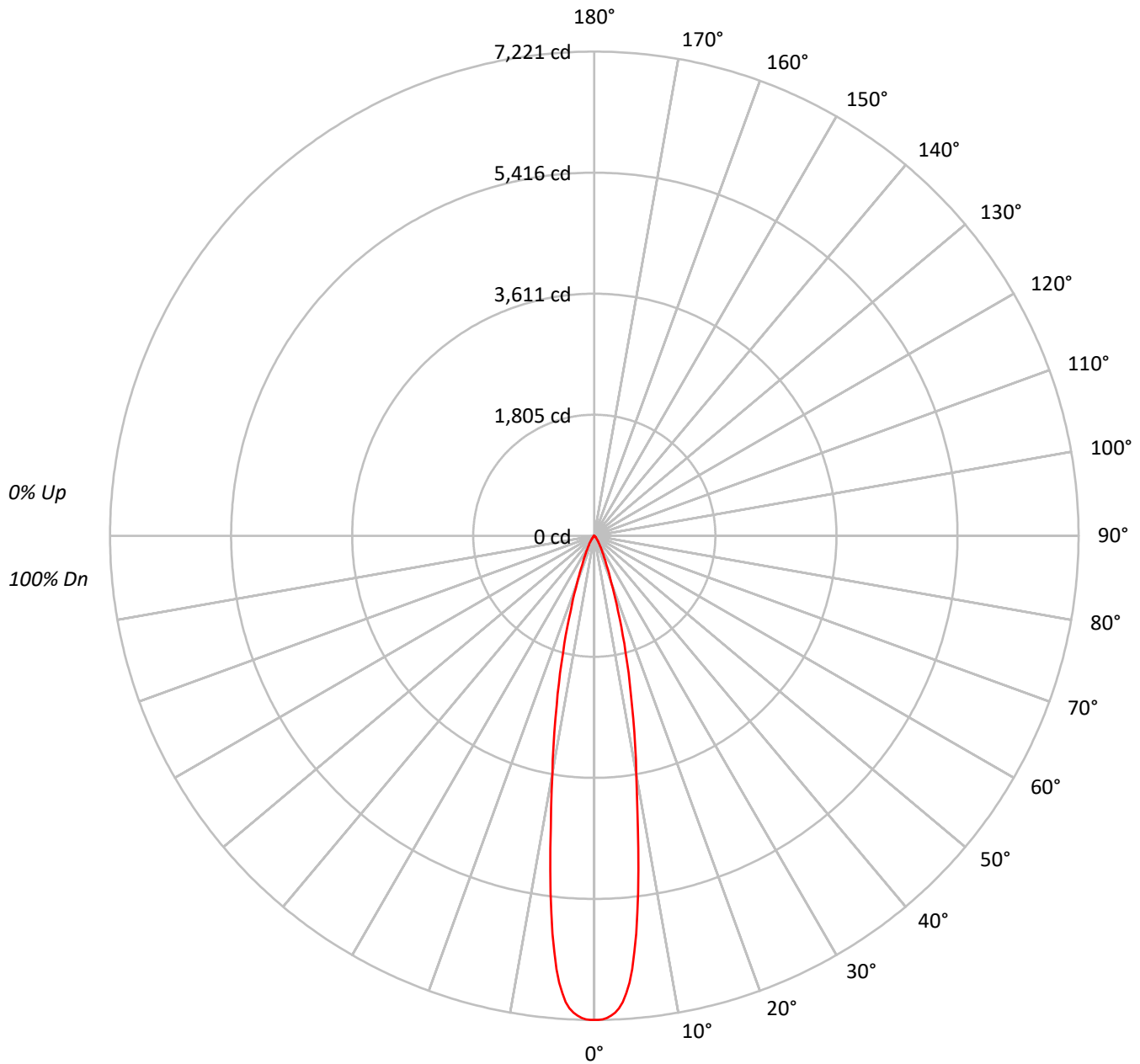
Downlight



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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°	788928
5°	711756
10°	399484
15°	203064
20°	85972
25°	39687
30°	21006
35°	11324
40°	6048
45°	3569
50°	2074
55°	1105
60°	699
65°	491
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3569 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.1	40.5
10°-20°	506.2	39.9
20°-30°	165.4	13.0
30°-40°	56.3	4.4
40°-50°	18.9	1.5
50°-60°	5.7	0.4
60°-70°	1.9	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°	1185.7	93.5
0°-40°	1242.0	97.9
0°-60°	1266.6	99.8
0°-90°	1268.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1268.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7221	
5°	6490	514
15°	1795	506
25°	329	165
35°	85	56
45°	23	19
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7220.6
0.5°	7220.6
1°	7211.6
1.5°	7193.6
2°	7160.8
2.5°	7117.1
3°	7055.4
3.5°	6969.2
4°	6841.2
4.5°	6685.6
5°	6489.5
5.5°	6231.7
6°	5967.4
6.5°	5664.6
7°	5368.2
7.5°	5021.0
8°	4711.1
8.5°	4399.2
9°	4111.2
9.5°	3846.9
10°	3600.7
12.5°	2585.4
15°	1795.2
17.5°	1172.8
20°	739.4
22.5°	479.0
25°	329.2
27.5°	231.5
30°	166.5
32.5°	119.6
35°	84.9
37.5°	59.2
40°	42.4
42.5°	30.9
45°	23.1
47.5°	18.0
50°	12.2
52.5°	7.7
55°	5.8
57.5°	4.5
60°	3.2
62.5°	2.6
65°	1.9



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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°	1.3
70°	0.6



(END OF REPORT)