

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: P761022

Luminaire Tested: LD6D15D010-EU6DR2015309024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761022
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-EU6DR2015309024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1271.7 lumens
Efficiency: N/A
Efficacy: 80.5 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



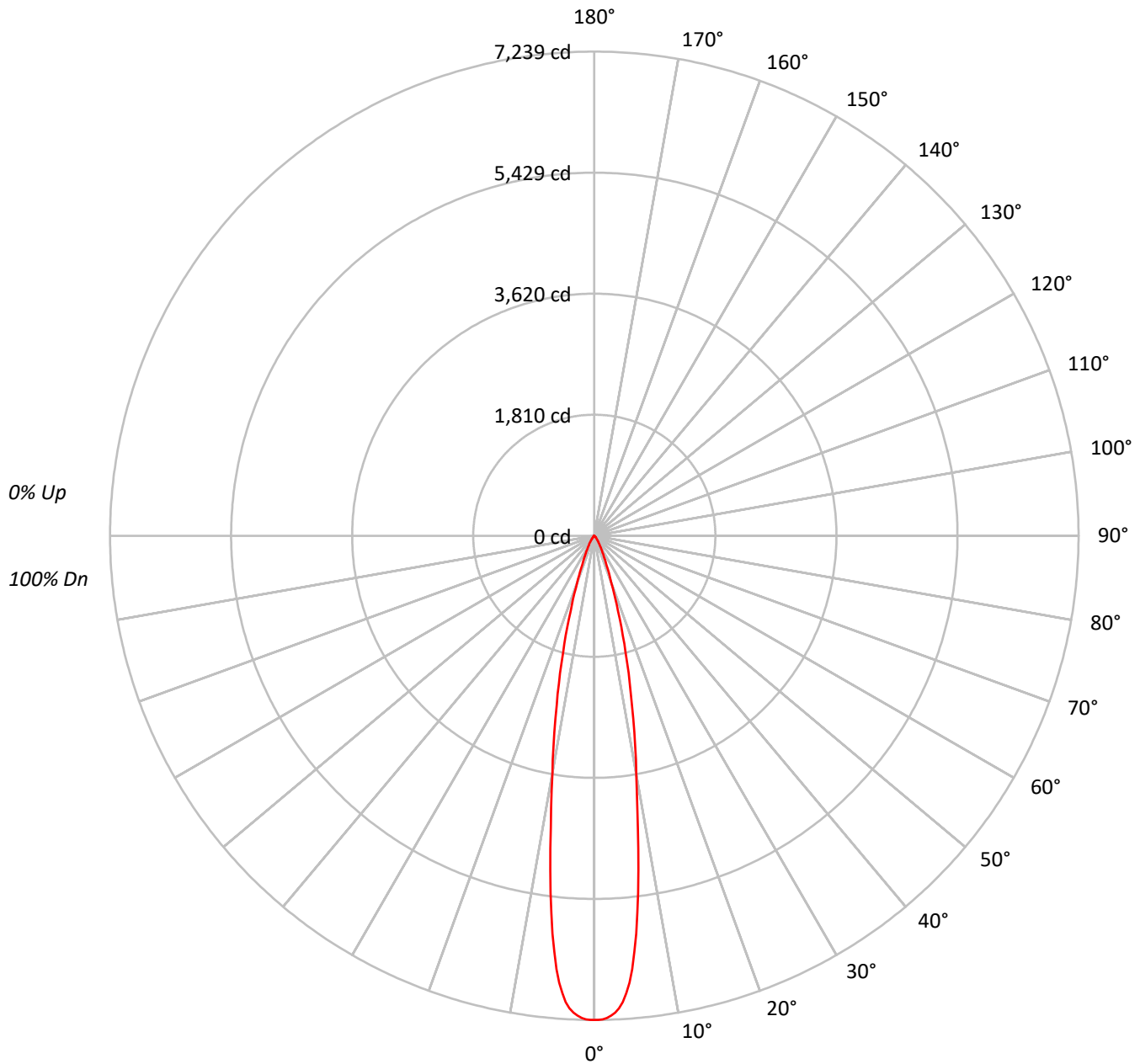
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	790906
5°	713544
10°	400483
15°	203573
20°	86193
25°	39783
30°	21057
35°	11351
40°	6062
45°	3585
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: 3585 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.4	40.5
10°-20°	507.5	39.9
20°-30°	165.8	13.0
30°-40°	56.4	4.4
40°-50°	19.0	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°	1188.7	93.5
0°-40°	1245.1	97.9
0°-60°	1269.8	99.8
0°-90°	1271.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1271.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7239	
5°	6506	515
15°	1800	507
25°	330	166
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°	7238.7
0.5°	7238.7
1°	7229.7
1.5°	7211.7
2°	7178.8
2.5°	7134.9
3°	7073.1
3.5°	6986.7
4°	6858.4
4.5°	6702.4
5°	6505.8
5.5°	6247.3
6°	5982.4
6.5°	5678.8
7°	5381.7
7.5°	5033.6
8°	4722.9
8.5°	4410.3
9°	4121.5
9.5°	3856.6
10°	3609.7
12.5°	2591.9
15°	1799.7
17.5°	1175.7
20°	741.3
22.5°	480.2
25°	330.0
27.5°	232.1
30°	166.9
32.5°	119.9
35°	85.1
37.5°	59.3
40°	42.5
42.5°	30.9
45°	23.2
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)