

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: P760870

Luminaire Tested: LD6D15D010-EU6DR1015209024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR1015209024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 10° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1196.1 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.17 / 0.17 / 0.18
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



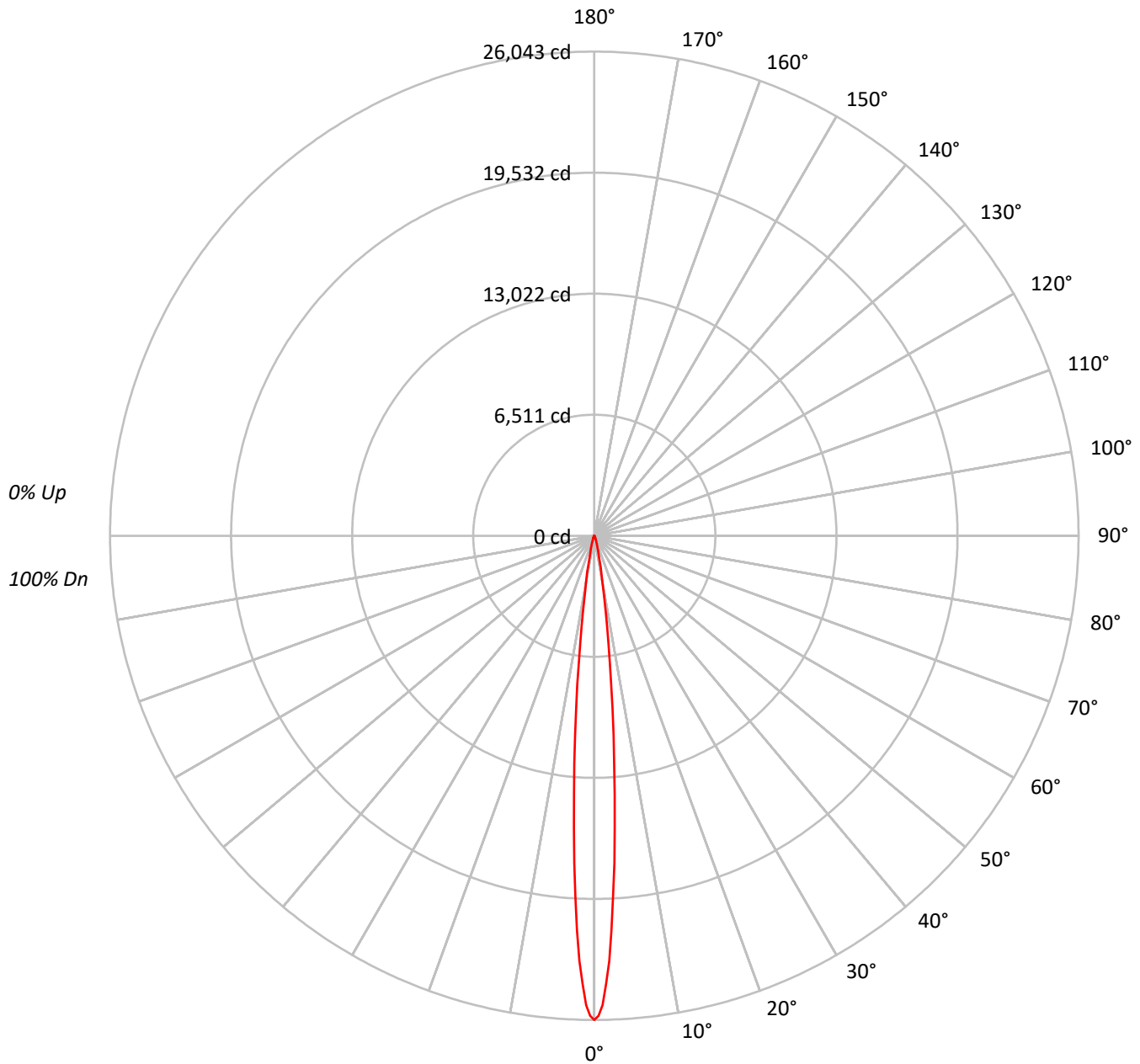
Downlight



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	50	30	10			50	30	10				0
RCR																		
0	119	119	119	119		116	116	116	116			111	111	111				100
1	116	114	113	111		114	112	111	109			108	107	106				98
2	113	110	108	106		111	108	106	104			105	104	102				97
3	111	107	104	102		109	106	103	101			103	101	99				95
4	108	104	101	99		107	103	100	98			101	99	97				94
5	106	102	99	96		105	101	98	96			99	97	95				93
6	104	100	96	94		103	99	96	94			98	95	93				91
7	103	98	95	93		102	97	94	92			96	94	92				90
8	101	96	93	91		100	96	93	91			95	92	91				89
9	100	95	92	90		99	94	92	90			94	91	90				88
10	98	94	91	89		98	93	91	89			93	90	88				87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2845467
5°	1349315
10°	276722
15°	75968
20°	30615
25°	16408
30°	9702
35°	6309
40°	4222
45°	2750
50°	1513
55°	1124
60°	656
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2750 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.5	71.1
10°-20°	230.1	19.2
20°-30°	65.9	5.5
30°-40°	30.1	2.5
40°-50°	13.8	1.2
50°-60°	4.6	0.4
60°-70°	1.1	0.1
70°-80°	0.0	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°	1146.5	95.9
0°-40°	1176.6	98.4
0°-60°	1195.0	99.9
0°-90°	1196.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1196.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26043	
5°	12302	850
15°	672	230
25°	136	66
35°	47	30
45°	18	14
55°	6	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	26042.9
0.5°	25818.0
1°	25241.0
1.5°	24128.5
2°	22882.9
2.5°	21237.9
3°	19409.4
3.5°	17640.0
4°	15731.6
4.5°	13974.1
5°	12302.5
5.5°	10787.6
6°	9343.7
6.5°	8074.4
7°	6879.1
7.5°	5858.3
8°	4952.9
8.5°	4160.0
9°	3473.6
9.5°	2949.9
10°	2494.2
12.5°	1189.4
15°	671.6
17.5°	408.3
20°	263.3
22.5°	183.4
25°	136.1
27.5°	100.6
30°	76.9
32.5°	59.2
35°	47.3
37.5°	35.5
40°	29.6
42.5°	23.7
45°	17.8
47.5°	11.8
50°	8.9
52.5°	5.9
55°	5.9
57.5°	3.0
60°	3.0
62.5°	3.0
65°	0.0



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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°	0.0
70°	0.0



(END OF REPORT)