

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: P761038

Luminaire Tested: LD6D15D010-EU6DR2015309027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761038
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-EU6DR2015309027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1433.2 lumens
Efficiency: N/A
Efficacy: 90.7 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



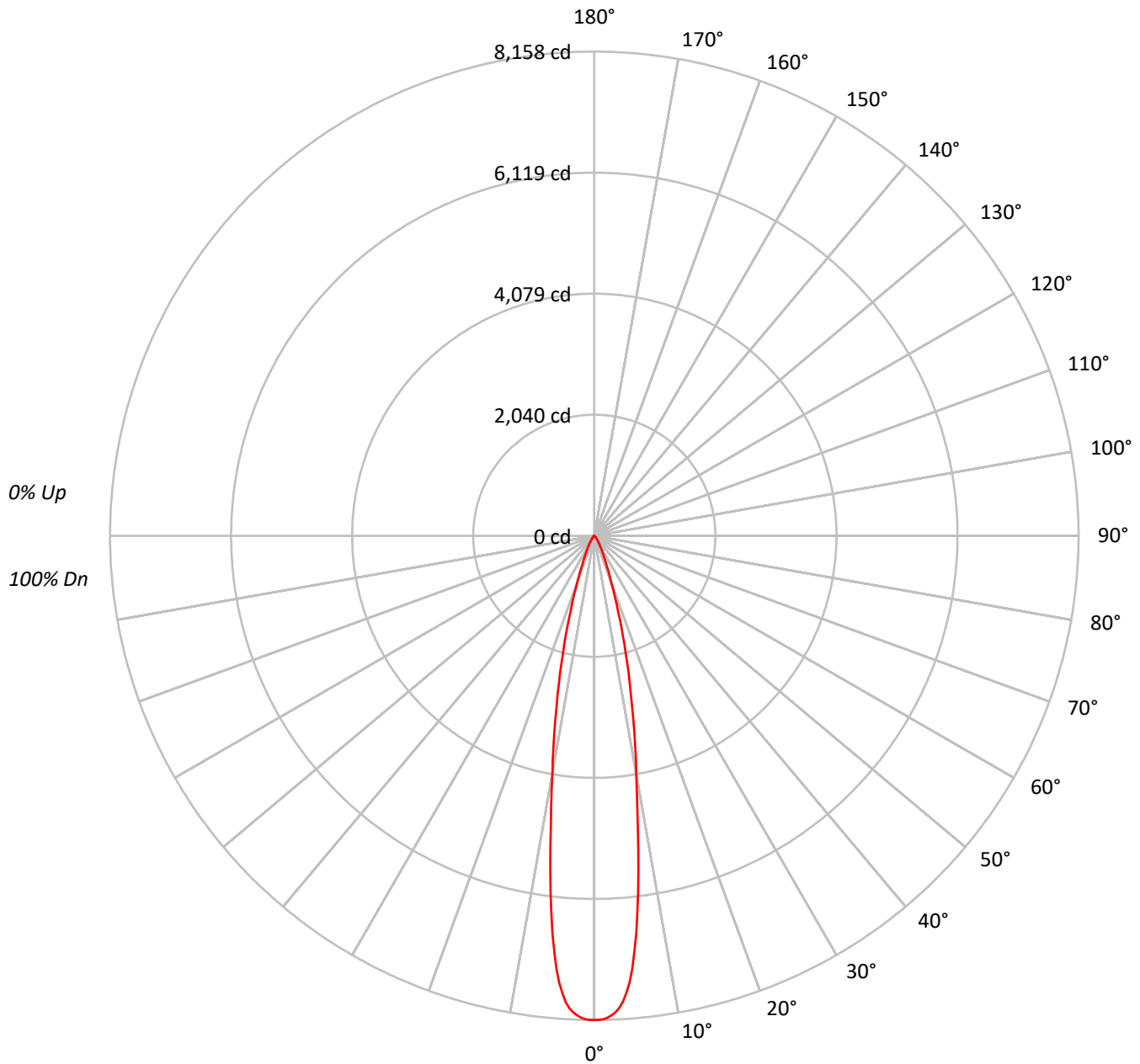
Downlight



TEST NUMBER: P761038

CATALOG NUMBER: LD6D15D010-EU6DR2015309027-6LBS1MW

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	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°	891316
5°	804138
10°	451329
15°	229420
20°	97134
25°	44835
30°	23731
35°	12791
40°	6832
45°	4048
50°	2346
55°	1238
60°	787
65°	569
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4048 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.8	40.5
10°-20°	571.9	39.9
20°-30°	186.8	13.0
30°-40°	63.6	4.4
40°-50°	21.4	1.5
50°-60°	6.4	0.4
60°-70°	2.2	0.2
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°	1339.6	93.5
0°-40°	1403.2	97.9
0°-60°	1431.0	99.8
0°-90°	1433.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1433.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8158	
5°	7332	581
15°	2028	572
25°	372	187
35°	96	64
45°	26	21
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8157.7
0.5°	8157.7
1°	8147.6
1.5°	8127.2
2°	8090.2
2.5°	8040.8
3°	7971.0
3.5°	7873.7
4°	7729.1
4.5°	7553.4
5°	7331.8
5.5°	7040.5
6°	6741.9
6.5°	6399.8
7°	6064.9
7.5°	5672.6
8°	5322.5
8.5°	4970.2
9°	4644.8
9.5°	4346.2
10°	4068.0
12.5°	2920.9
15°	2028.2
17.5°	1325.0
20°	835.4
22.5°	541.2
25°	371.9
27.5°	261.5
30°	188.1
32.5°	135.1
35°	95.9
37.5°	66.8
40°	47.9
42.5°	34.9
45°	26.2
47.5°	20.3
50°	13.8
52.5°	8.7
55°	6.5
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)