

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: P761047

Luminaire Tested: LD6D15D010-EU6DR2015309030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761047
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-EU6DR2015309030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.9 lumens
Efficiency: N/A
Efficacy: 86.3 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 (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



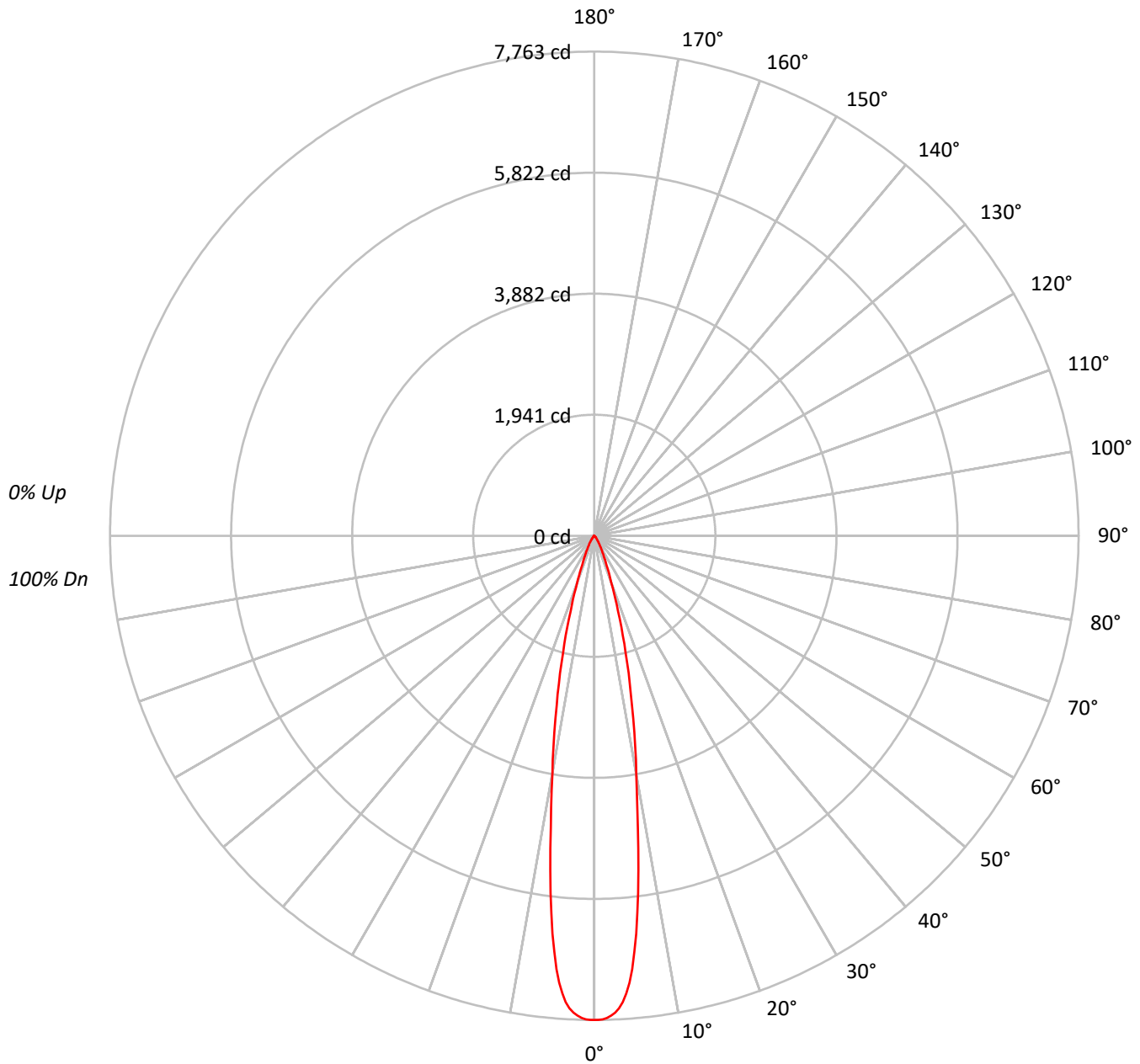
Downlight



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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				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°	848202
5°	765235
10°	429495
15°	218323
20°	92437
25°	42665
30°	22583
35°	12165
40°	6504
45°	3847
50°	2227
55°	1181
60°	765
65°	543
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.7	40.5
10°-20°	544.3	39.9
20°-30°	177.8	13.0
30°-40°	60.5	4.4
40°-50°	20.4	1.5
50°-60°	6.1	0.4
60°-70°	2.1	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°	1274.8	93.5
0°-40°	1335.3	97.9
0°-60°	1361.8	99.8
0°-90°	1363.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7763	
5°	6977	553
15°	1930	544
25°	354	178
35°	91	61
45°	25	20
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7763.1
0.5°	7763.1
1°	7753.4
1.5°	7734.1
2°	7698.8
2.5°	7651.8
3°	7585.4
3.5°	7492.8
4°	7355.2
4.5°	7187.9
5°	6977.1
5.5°	6699.9
6°	6415.8
6.5°	6090.2
7°	5771.5
7.5°	5398.2
8°	5065.0
8.5°	4729.8
9°	4420.1
9.5°	4135.9
10°	3871.2
12.5°	2779.6
15°	1930.1
17.5°	1260.9
20°	795.0
22.5°	515.0
25°	353.9
27.5°	248.9
30°	179.0
32.5°	128.6
35°	91.2
37.5°	63.6
40°	45.6
42.5°	33.2
45°	24.9
47.5°	19.4
50°	13.1
52.5°	8.3
55°	6.2
57.5°	4.8
60°	3.5
62.5°	2.8
65°	2.1



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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°	1.4
70°	0.7



(END OF REPORT)