

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: P761655

Luminaire Tested: LD6D15D010-EU6DR600215IC9030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR600215IC9030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1268.3 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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



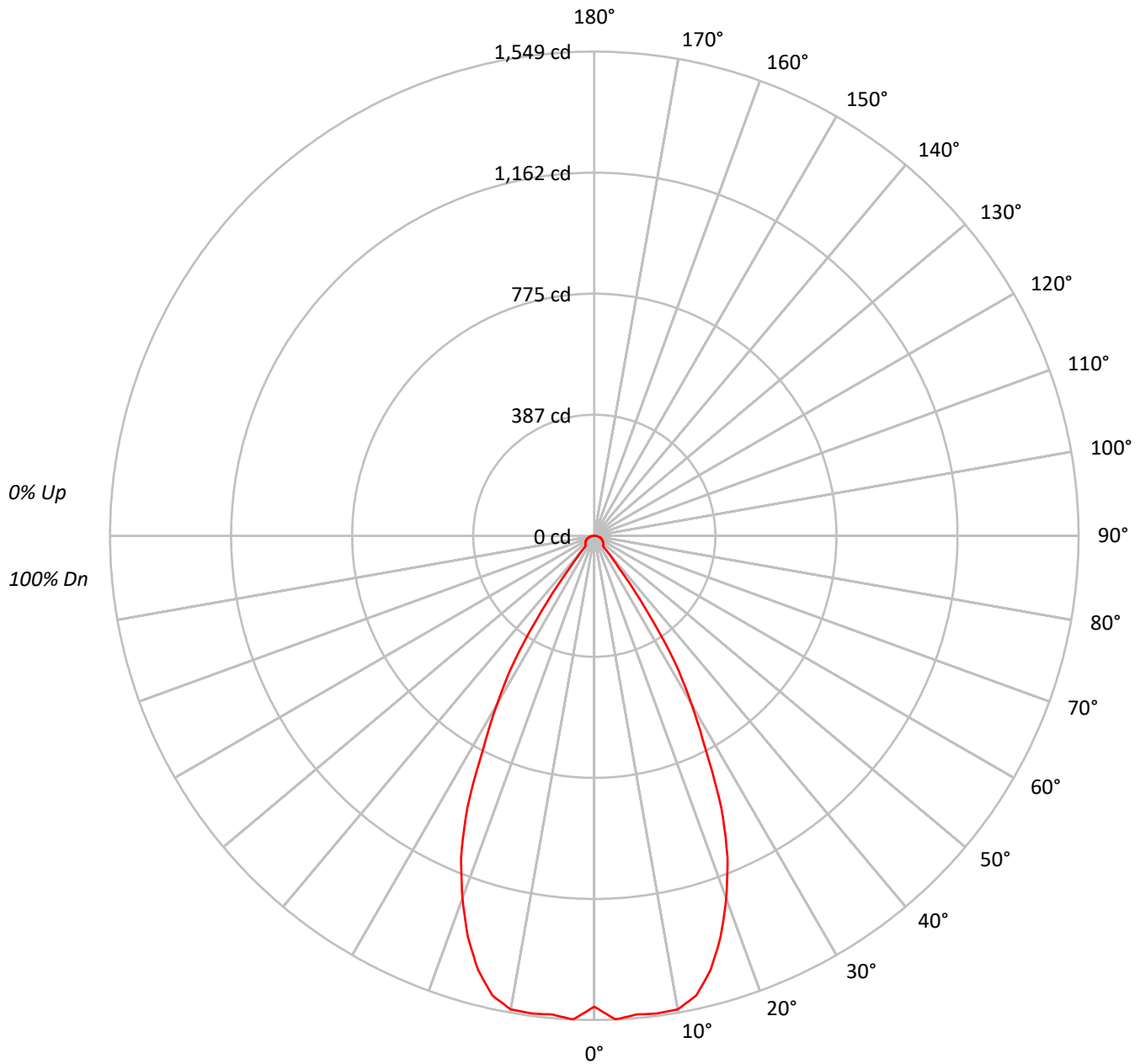
Downlight



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164579
5°	168630
10°	170669
15°	162580
20°	143353
25°	115951
30°	78423
35°	39295
40°	6376
45°	6243
50°	6357
55°	6458
60°	6643
65°	6774
70°	6964
75°	7050
80°	6795
85°	5641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 7050 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	11.6
10°-20°	397.6	31.3
20°-30°	427.8	33.7
30°-40°	185.9	14.7
40°-50°	31.2	2.5
50°-60°	30.4	2.4
60°-70°	26.0	2.0
70°-80°	17.4	1.4
80°-90°	5.2	0.4
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°	972.3	76.7
0°-40°	1158.2	91.3
0°-60°	1219.8	96.2
0°-90°	1268.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1268.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1506	
5°	1538	147
15°	1437	398
25°	962	428
35°	295	186
45°	40	31
55°	34	30
65°	26	26
75°	17	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1506.3
2.5°	1548.6
5°	1537.5
7.5°	1541.0
10°	1538.3
12.5°	1506.5
15°	1437.3
17.5°	1344.4
20°	1232.9
22.5°	1113.5
25°	961.8
27.5°	769.2
30°	621.6
32.5°	479.1
35°	294.6
37.5°	126.0
40°	44.7
42.5°	41.2
45°	40.4
47.5°	39.0
50°	37.4
52.5°	35.7
55°	33.9
57.5°	32.1
60°	30.4
62.5°	28.4
65°	26.2
67.5°	24.1
70°	21.8
72.5°	19.2
75°	16.7
77.5°	13.8
80°	10.8
82.5°	7.6
85°	4.5
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)