

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: P761822

Luminaire Tested: LD6D15D010-EU6DR700215IC9040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR700215IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 889.8 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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



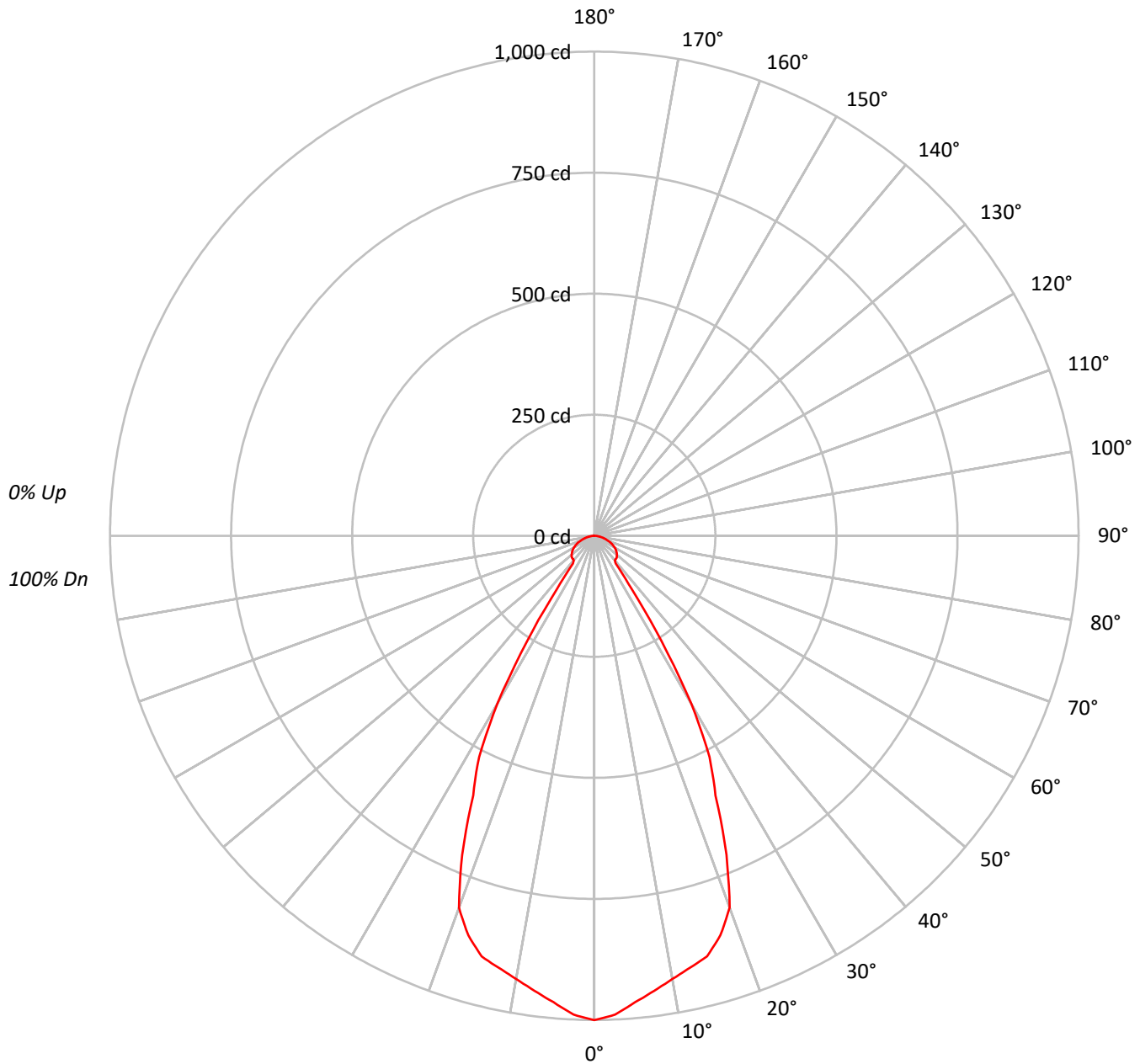
Downlight



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109304
5°	106059
10°	103102
15°	101747
20°	95007
25°	71381
30°	50453
35°	17873
40°	9399
45°	10013
50°	10369
55°	10572
60°	10620
65°	10393
70°	9807
75°	9076
80°	8054
85°	6519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 10635 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	10.2
10°-20°	250.2	28.1
20°-30°	275.5	31.0
30°-40°	105.3	11.8
40°-50°	49.7	5.6
50°-60°	49.4	5.6
60°-70°	39.6	4.4
70°-80°	22.7	2.6
80°-90°	6.2	0.7
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°	616.9	69.3
0°-40°	722.2	81.2
0°-60°	821.3	92.3
0°-90°	889.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	889.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1000	
5°	967	91
15°	900	250
25°	592	276
35°	134	105
45°	65	50
55°	56	49
65°	40	40
75°	22	23
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1000.4
2.5°	989.9
5°	967.0
7.5°	947.8
10°	929.3
12.5°	913.6
15°	899.5
17.5°	865.4
20°	817.1
22.5°	712.9
25°	592.1
27.5°	515.4
30°	399.9
32.5°	258.3
35°	134.0
37.5°	72.4
40°	65.9
42.5°	65.4
45°	64.8
47.5°	63.4
50°	61.0
52.5°	58.3
55°	55.5
57.5°	52.3
60°	48.6
62.5°	44.5
65°	40.2
67.5°	35.5
70°	30.7
72.5°	26.0
75°	21.5
77.5°	17.0
80°	12.8
82.5°	9.1
85°	5.2
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)