Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P761615

Luminaire Tested: LD6D15D010-EU6DR550215IC9050-6LBDP1LI

Issue Date: 2/2/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P761615
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD6D15D010-EU6DR550215IC9050-6LBDP1LI
Description:	6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 55° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1607.6 lumens
Efficiency:	N/A
Efficacy:	101.7 lumens/watt
Spacing Criteria (0/90/45):	0.89 / 0.89 / 0.87
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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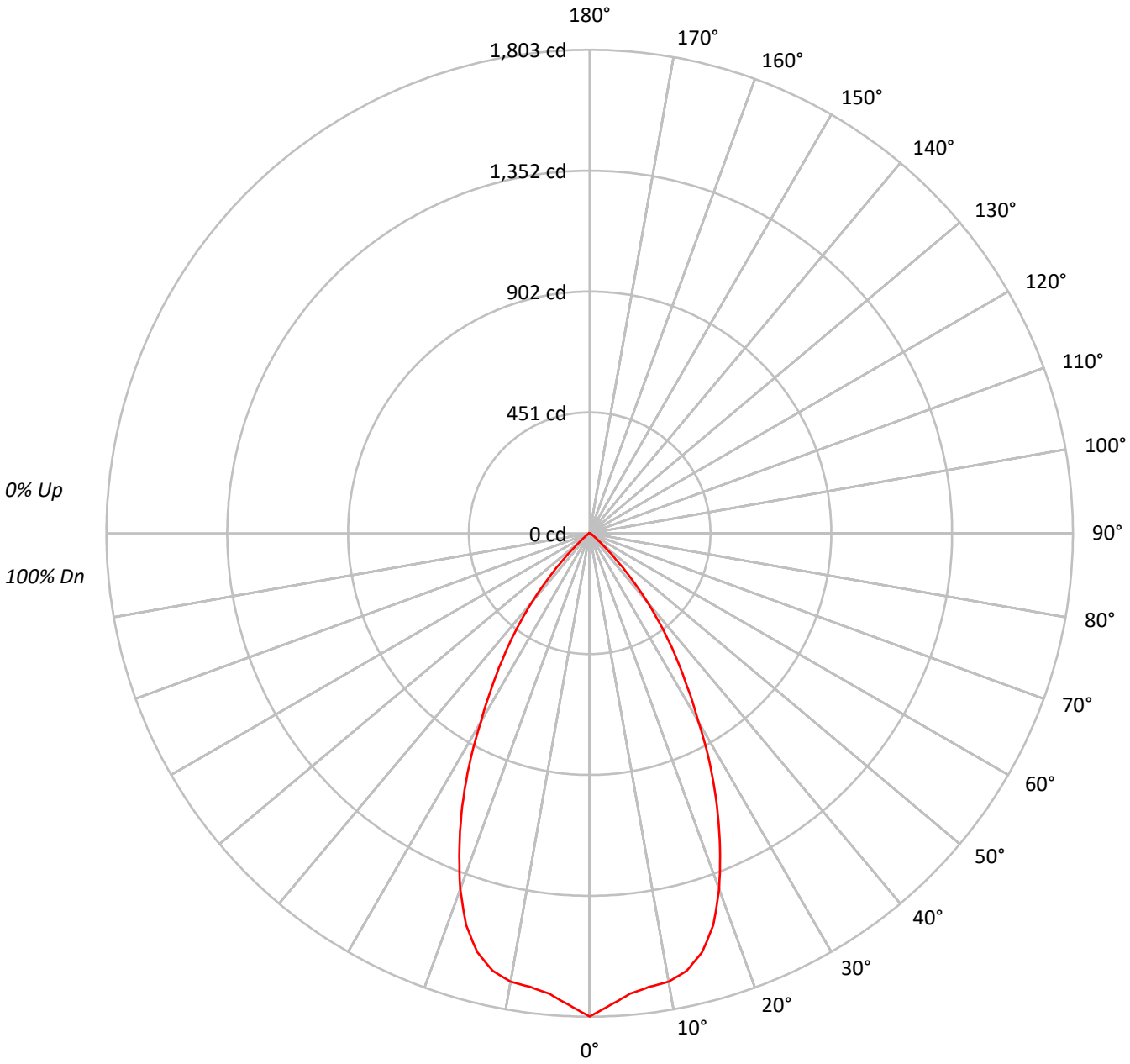
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	196953
5°	189140
10°	188420
15°	183009
20°	164096
25°	135613
30°	102445
35°	74281
40°	47539
45°	21710
50°	7105
55°	3067
60°	1311
65°	181
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 21710 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.1	10.2
10°-20°	447.8	27.9
20°-30°	510.4	31.7
30°-40°	347.4	21.6
40°-50°	119.7	7.4
50°-60°	16.6	1.0
60°-70°	1.6	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°	1122.3	69.8
0°-40°	1469.7	91.4
0°-60°	1606.0	99.9
0°-90°	1607.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1607.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1803	
5°	1724	164
15°	1618	448
25°	1125	510
35°	557	347
45°	140	120
55°	16	17
65°	1	2
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1802.6
2.5°	1761.3
5°	1724.5
7.5°	1706.4
10°	1698.3
12.5°	1671.5
15°	1617.9
17.5°	1532.8
20°	1411.3
22.5°	1271.0
25°	1124.9
27.5°	972.8
30°	812.0
32.5°	675.7
35°	556.9
37.5°	443.9
40°	333.3
42.5°	231.0
45°	140.5
47.5°	75.7
50°	41.8
52.5°	24.8
55°	16.1
57.5°	10.3
60°	6.0
62.5°	2.7
65°	0.7
67.5°	0.2
70°	0.0
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°

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(END OF REPORT)