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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839455

Luminaire Tested: **LD6C10D010 EU6109050 6LCSQWLI**

Issue Date: 6/29/2023

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Test Information

Test Method:	LM-79-08
Report Number:	P839455
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab:	INNOVATION CENTER
Issue Date:	6/29/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD6C10D010 EU6109050 6LCSQWLI
Description:	6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1054.0 lumens
Efficiency:	N/A
Efficacy:	107.6 lumens/watt
Spacing Criteria (0/90/45):	1.19 / 1.19 / 1.29
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type:	Direct

Input Watts (W):	9.8
Input Voltage (V):	
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:	25 FT

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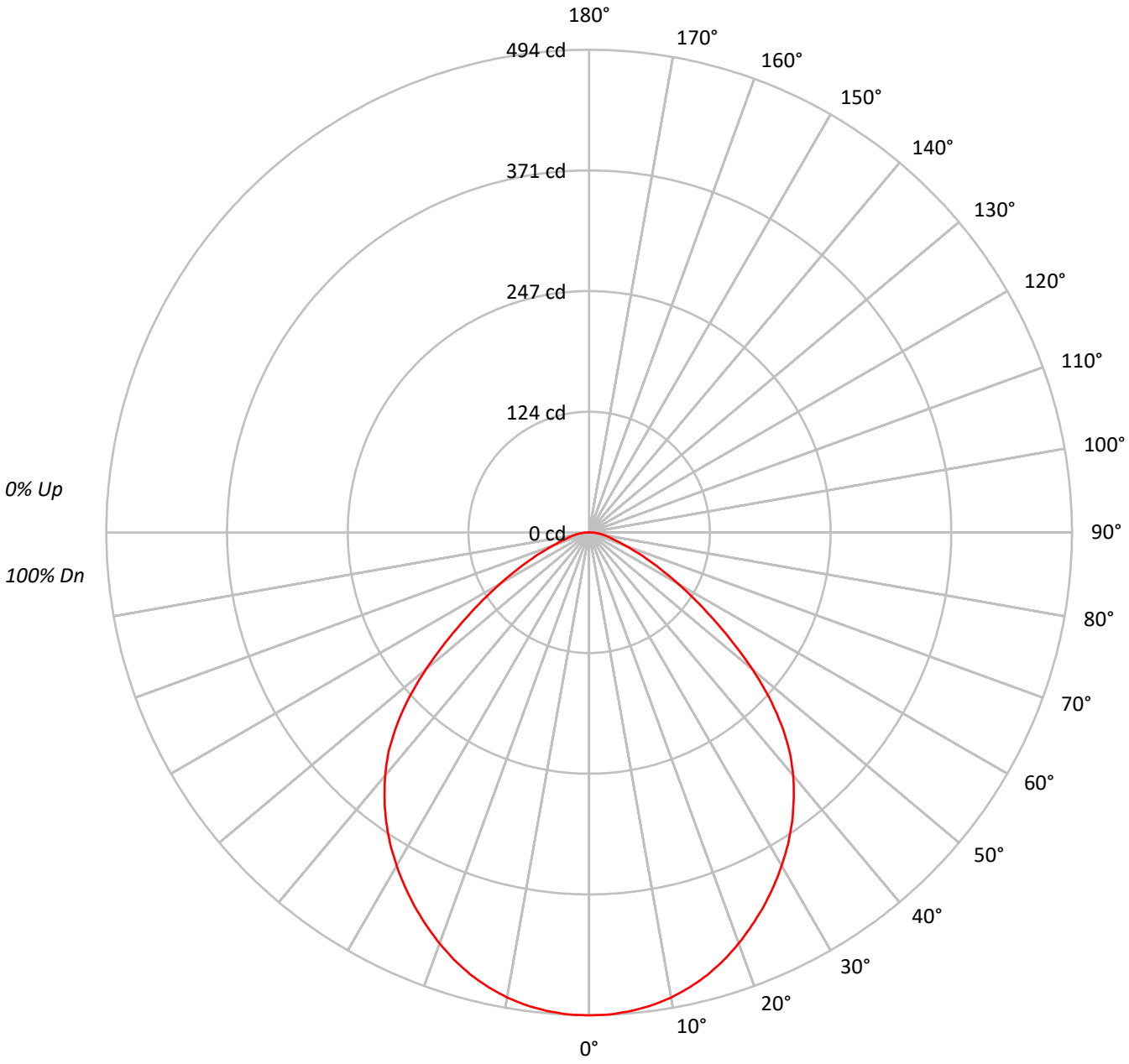
Luminous Intensity Polar Plot



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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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21282
5°	21247
10°	21134
15°	20888
20°	20509
25°	20067
30°	19588
35°	19027
40°	18261
45°	16940
50°	14596
55°	11643
60°	9068
65°	6785
70°	4922
75°	3909
80°	3645
85°	3656

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	4.4
10°-20°	132.0	12.5
20°-30°	194.5	18.5
30°-40°	225.9	21.4
40°-50°	212.4	20.1
50°-60°	140.6	13.3
60°-70°	67.7	6.4
70°-80°	26.1	2.5
80°-90°	8.2	0.8
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°	373.1	35.4
0°-40°	599.1	56.8
0°-60°	952.0	90.3
0°-90°	1054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	494	
5°	492	47
15°	469	132
25°	422	194
35°	362	226
45°	278	212
55°	155	141
65°	67	68
75°	24	26
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	494.3
2.5°	493.9
5°	491.6
7.5°	488.3
10°	483.4
12.5°	476.7
15°	468.6
17.5°	458.8
20°	447.6
22.5°	435.3
25°	422.4
27.5°	408.5
30°	394.0
32.5°	378.6
35°	362.0
37.5°	343.9
40°	324.9
42.5°	303.5
45°	278.2
47.5°	249.6
50°	217.9
52.5°	185.7
55°	155.1
57.5°	128.7
60°	105.3
62.5°	84.2
65°	66.6
67.5°	51.6
70°	39.1
72.5°	29.7
75°	23.5
77.5°	19.0
80°	14.7
82.5°	11.0
85°	7.4
87.5°	4.2
90°	0.0

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Report Generated By 670246072 / DESKTOP-50001EG

0°-180°

(END OF REPORT)