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: P858093

Luminaire Tested: **LX4C40D010 EX4C409030 4LBSLI**

Issue Date: 2/9/2022

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Test Information

Test Method:	LM-79-08
Report Number:	P858093
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab:	INNOVATION CENTER
Issue Date:	2/9/2022
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LX4C40D010 EX4C409030 4LBSLI
Description:	4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBS TRIM WITH LI FINISH, DIM TO WARM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4823.0 lumens
Efficiency:	N/A
Efficacy:	74.2 lumens/watt
Spacing Criteria (0/90/45):	0.91 / 0.91 / 1
Luminous Opening:	Circular (Dia: 0.33' x H: 0')
CIE Type:	Direct

Input Watts (W):	65
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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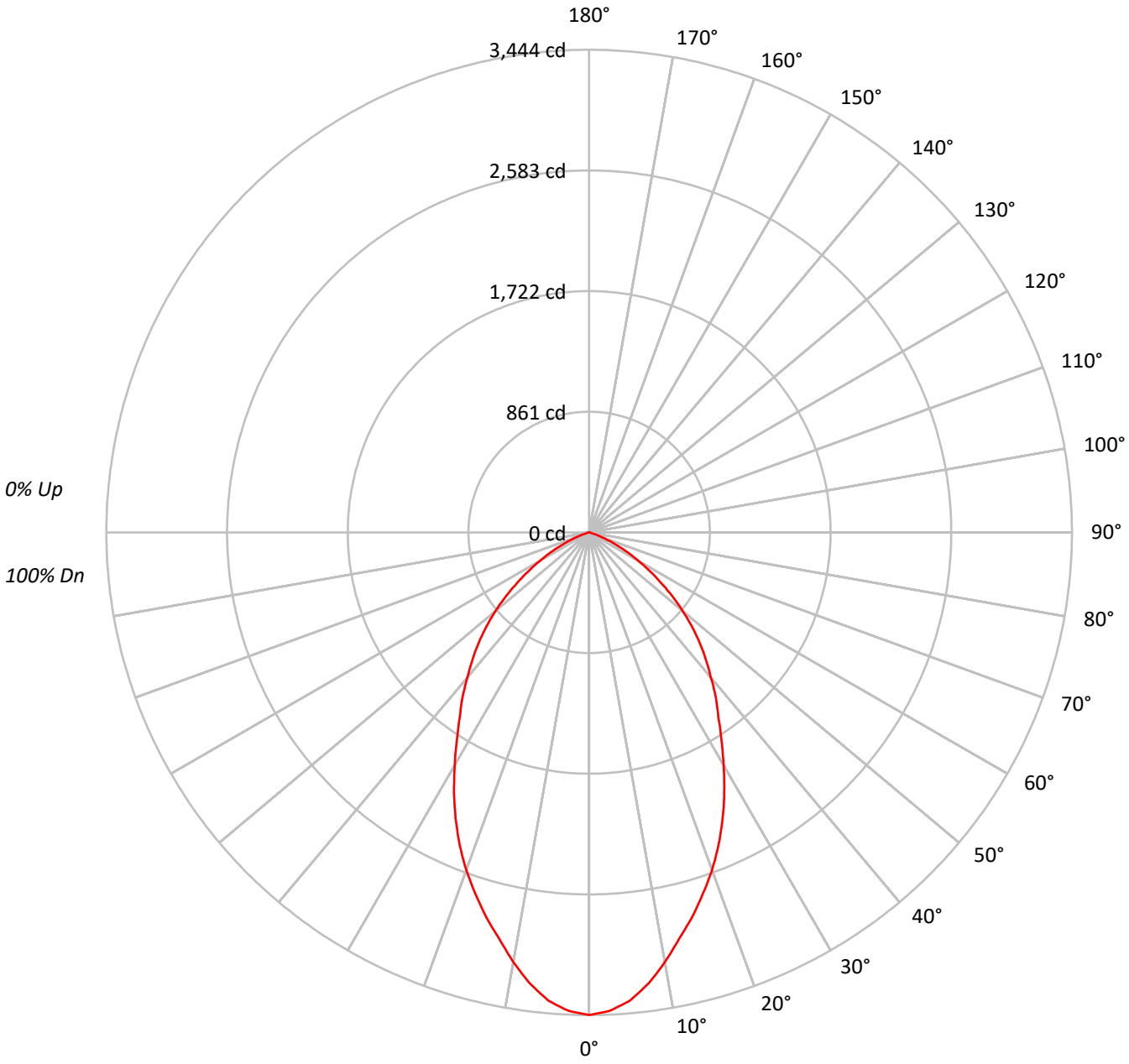
Luminous Intensity Polar Plot



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423083
5°	413489
10°	388293
15°	361263
20°	335055
25°	305430
30°	271915
35°	241027
40°	216617
45°	193895
50°	166318
55°	133804
60°	99708
65°	63662
70°	30640
75°	5126
80°	3750
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.3	6.5
10°-20°	796.4	16.5
20°-30°	1032.0	21.4
30°-40°	1011.1	21.0
40°-50°	857.1	17.8
50°-60°	561.8	11.6
60°-70°	225.8	4.7
70°-80°	25.8	0.5
80°-90°	0.7	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°	2140.6	44.4
0°-40°	3151.8	65.3
0°-60°	4570.6	94.8
0°-90°	4823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4823.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3444	
5°	3353	312
15°	2840	796
25°	2253	1032
35°	1607	1011
45°	1116	857
55°	625	562
65°	219	226
75°	11	26
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3443.8
2.5°	3417.1
5°	3352.9
7.5°	3246.1
10°	3112.6
12.5°	2968.6
15°	2840.4
17.5°	2701.7
20°	2562.8
22.5°	2413.4
25°	2253.2
27.5°	2087.6
30°	1916.8
32.5°	1756.7
35°	1607.1
37.5°	1484.3
40°	1350.7
42.5°	1233.3
45°	1116.0
47.5°	993.2
50°	870.2
52.5°	747.4
55°	624.7
57.5°	512.6
60°	405.8
62.5°	309.6
65°	219.0
67.5°	144.1
70°	85.3
72.5°	37.3
75°	10.8
77.5°	5.3
80°	5.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Report Generated By 670246072 / DESKTOP-50001EG

0°-180°

(END OF REPORT)