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

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P436679

Luminaire Tested: **LSR1B08359035D010TExxSL**

Issue Date: 12/2/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P436679
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-014-2)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	12/2/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LSR1B08359035D010TExxSL
Description:	PORTFOLIO 1INCH CYLINDER, 35 DEG REFLECTOR OPTIC
Light Source:	HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1031.5 lumens
Efficiency:	N/A
Efficacy:	62.5 lumens/watt
Spacing Criteria (0/90/45):	0.58 / 0.58 / 0.55
Luminous Opening:	Circular (Dia: 0.08' x H: 0')
CIE Type:	Direct

Input Watts (W):	16.5
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:	25 FT

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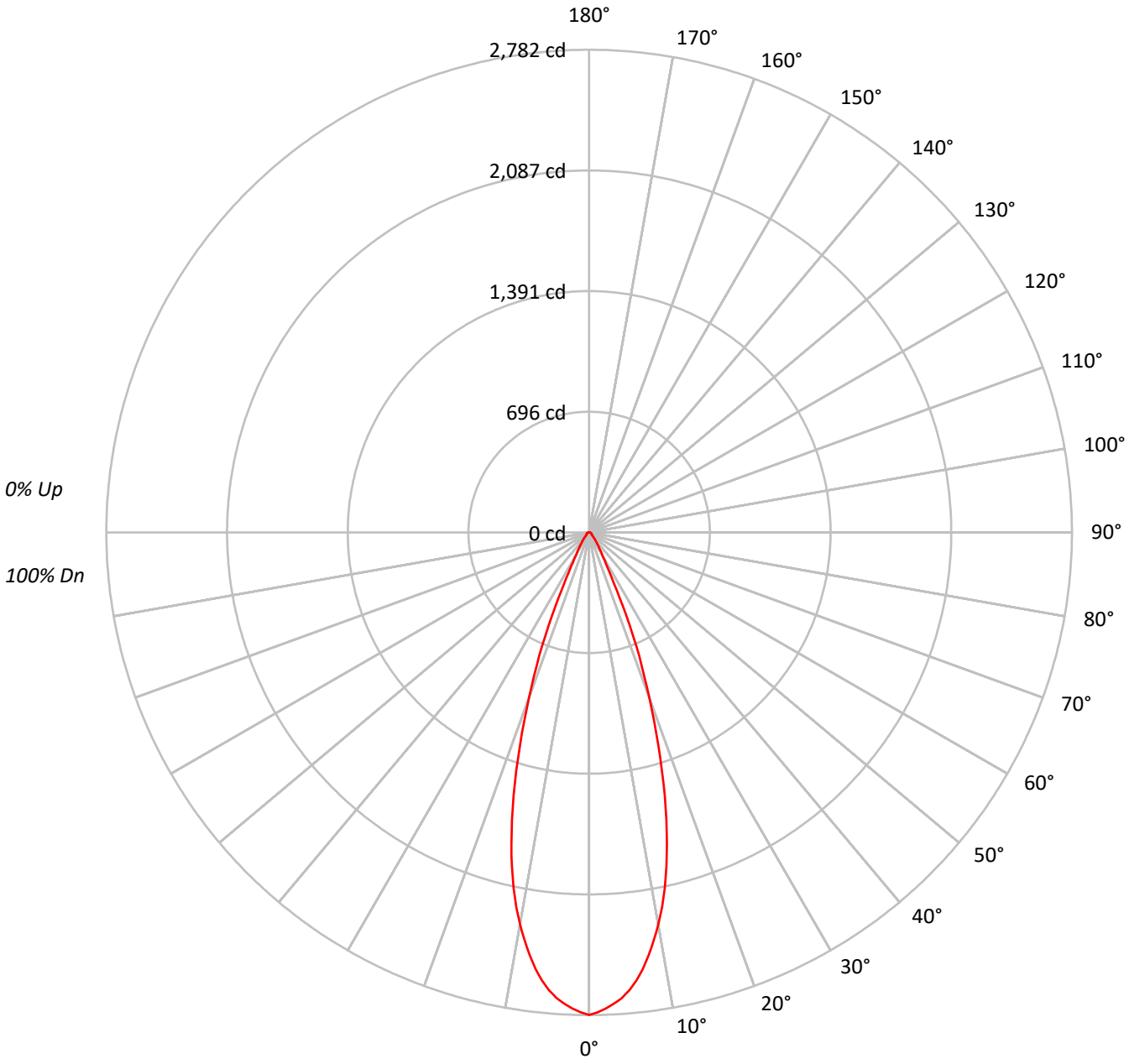
Luminous Intensity Polar Plot



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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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	85	77	72	69	84	76	72	69	76	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	69	66	72	68	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5489407
5°	5249071
10°	4596745
15°	3508516
20°	2123092
25°	909132
30°	350487
35°	201654
40°	126753
45°	78986
50°	57721
55°	61246
60°	61969
65°	63509
70°	66358
75°	64052
80°	59099
85°	70196

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	23.4
10°-20°	460.3	44.6
20°-30°	210.0	20.4
30°-40°	55.1	5.3
40°-50°	23.5	2.3
50°-60°	15.8	1.5
60°-70°	13.5	1.3
70°-80°	8.8	0.9
80°-90°	3.0	0.3
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°	911.8	88.4
0°-40°	966.9	93.7
0°-60°	1006.2	97.5
0°-90°	1031.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2782	
5°	2650	241
15°	1717	460
25°	418	210
35°	84	55
45°	28	23
55°	18	16
65°	14	13
75°	8	9
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2781.5
1°	2766.8
2°	2745.9
3°	2720.8
4°	2690.4
5°	2649.6
6°	2598.3
7°	2536.6
8°	2461.3
9°	2379.6
10°	2293.8
11°	2199.6
12°	2095.0
13°	1978.8
14°	1852.2
15°	1717.2
16°	1579.1
17°	1434.7
18°	1290.3
19°	1148.0
20°	1010.9
21°	885.3
22°	769.1
23°	648.8
24°	526.4
25°	417.5
26°	328.6
27°	261.6
28°	214.5
29°	180.0
30°	153.8
32.5°	110.9
35°	83.7
37.5°	62.8
40°	49.2
42.5°	37.7
45°	28.3
47.5°	23.0
50°	18.8
52.5°	18.8
55°	17.8
57.5°	16.7
60°	15.7

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*12.6*
70°	*11.5*
72.5°	*9.4*
75°	*8.4*
77.5°	*7.3*
80°	*5.2*
82.5°	*4.2*
85°	*3.1*
87.5°	*1.0*
90°	*0.0*

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0°-180°

62.5°	*14.7*
65°	*13.6*

(END OF REPORT)