

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: P436664

Luminaire Tested: **LSR1B08509027D010TExxSL**

Issue Date: 12/2/2020

Test Information

Test Method: LM-41-14
Report Number: P436664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-014-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/2/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR1B08509027D010TExxSL
Description: PORTFOLIO 1INCH CYLINDER, 50 DEG REFLECTOR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 921.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.9
Luminous Opening: Circular (Dia: 0.08' x H: 0')
CIE Type: Direct

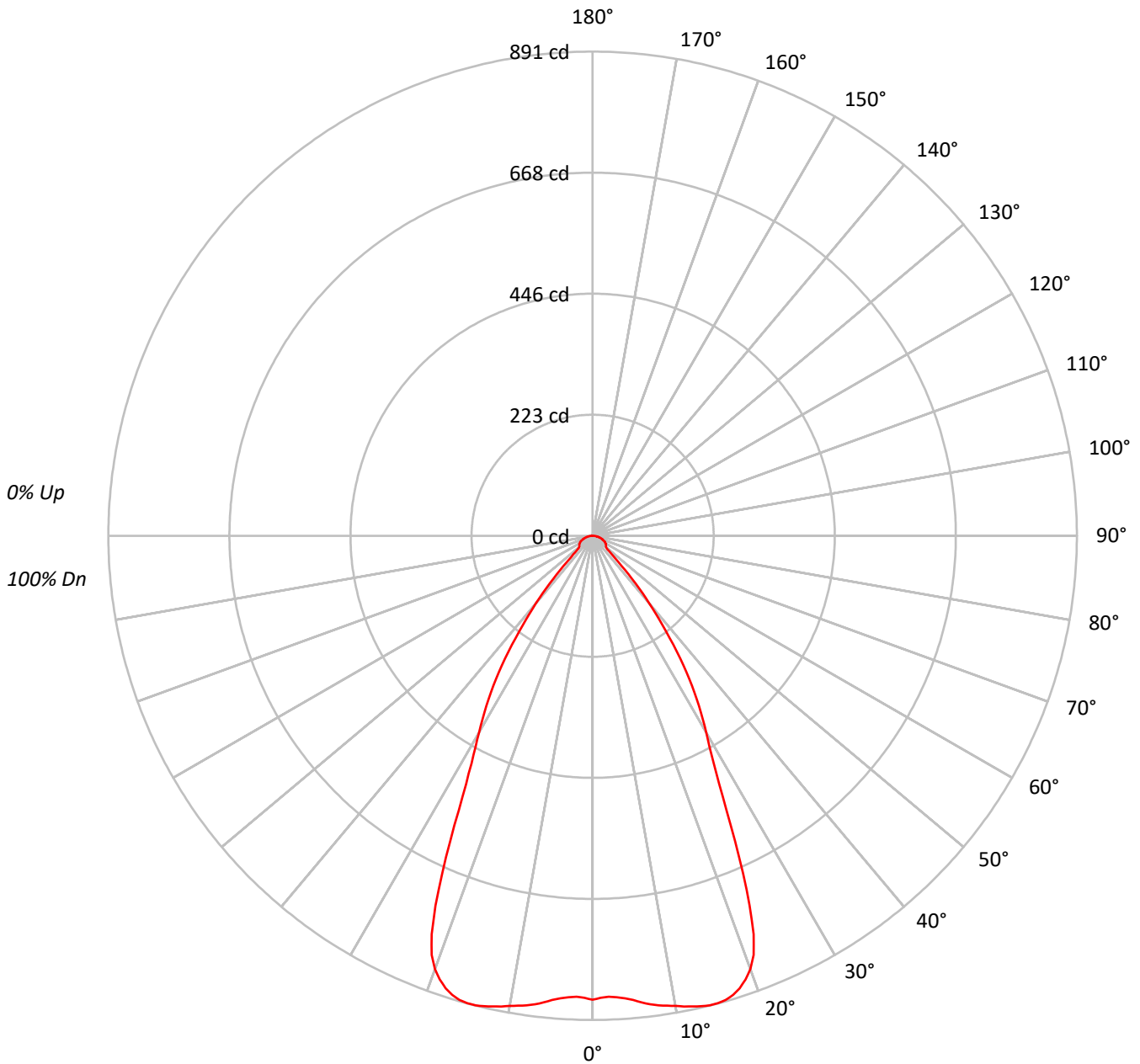
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92			92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	77			77
4	95	87	81	76	93	86	80	76	84	79	75	81	77	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66			66
6	85	76	69	65	84	75	69	65	73	68	64	72	67	64	71	66	63	62			62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58			58
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	55	54			54
9	73	63	57	53	72	62	57	52	61	56	52	61	56	52	60	55	52	51			51
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1684615
5°	1698975
10°	1760703
15°	1819639
20°	1782229
25°	1349436
30°	952103
35°	703260
40°	417099
45°	159088
50°	98249
55°	103223
60°	106571
65°	112075
70°	109635
75°	106753
80°	102287
85°	90575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	9.0
10°-20°	249.5	27.1
20°-30°	283.9	30.8
30°-40°	178.9	19.4
40°-50°	56.3	6.1
50°-60°	26.8	2.9
60°-70°	23.3	2.5
70°-80°	15.0	1.6
80°-90°	4.8	0.5
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°	616.0	66.9
0°-40°	794.9	86.3
0°-60°	878.0	95.3
0°-90°	921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	921.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	854	
5°	858	83
15°	891	249
25°	620	284
35°	292	179
45°	57	56
55°	30	27
65°	24	23
75°	14	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	853.6
1°	850.6
2°	848.6
3°	850.6
4°	853.6
5°	857.6
6°	863.6
7°	868.6
8°	872.6
9°	875.6
10°	878.6
11°	882.6
12°	885.6
13°	888.6
14°	890.6
15°	890.6
16°	888.6
17°	883.6
18°	875.6
19°	863.6
20°	848.6
21°	826.6
22°	790.7
23°	739.7
24°	680.7
25°	619.7
26°	561.8
27°	512.8
28°	474.8
29°	443.8
30°	417.8
32.5°	356.8
35°	291.9
37.5°	220.9
40°	161.9
42.5°	107.0
45°	57.0
47.5°	37.0
50°	32.0
52.5°	31.0
55°	30.0
57.5°	29.0
60°	27.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.0
70°	19.0
72.5°	17.0
75°	14.0
77.5°	12.0
80°	9.0
82.5°	7.0
85°	4.0
87.5°	2.0
90°	0.0



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— 0°-180°







62.5°		26.0
65°		24.0



(END OF REPORT)