

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: P436670

Luminaire Tested: **LSR1B08359030D010TExxSL**

Issue Date: 12/2/2020

Test Information

Test Method: LM-41-14
Report Number: P436670
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: LSR1B08359030D010TExxSL
Description: PORTFOLIO 1INCH CYLINDER, 35 DEG REFLECTOR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 992.0 lumens
Efficiency: N/A
Efficacy: 60.1 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

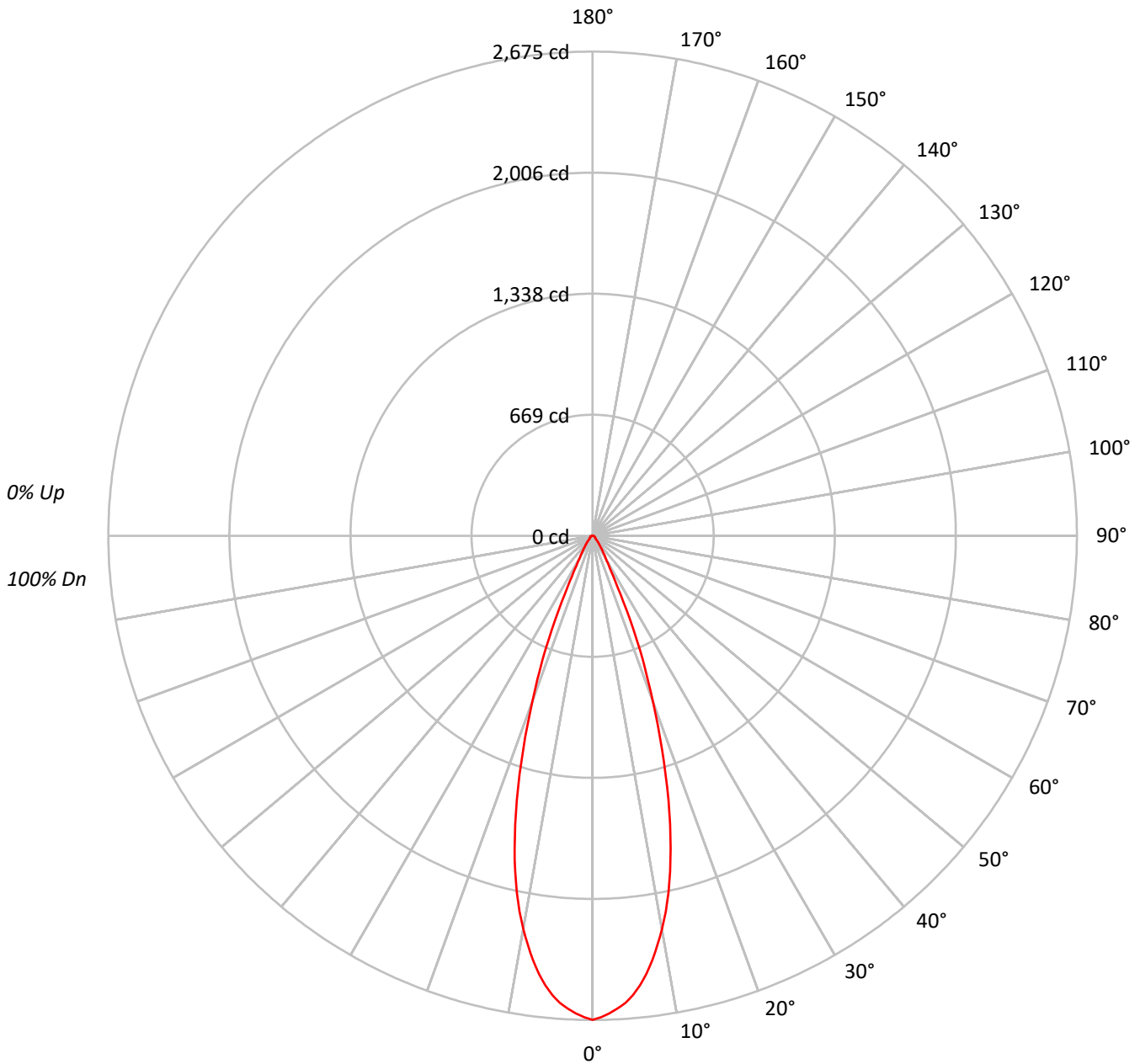
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P436670

CATALOG NUMBER: LSR1B08359030D010TExxSL

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			
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°	5278632
5°	5047595
10°	4420394
15°	3373872
20°	2041604
25°	874291
30°	337042
35°	193945
40°	121858
45°	75915
50°	55572
55°	58837
60°	59601
65°	61174
70°	64050
75°	61764
80°	56826
85°	67932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	23.4
10°-20°	442.7	44.6
20°-30°	201.9	20.4
30°-40°	53.0	5.3
40°-50°	22.6	2.3
50°-60°	15.2	1.5
60°-70°	13.0	1.3
70°-80°	8.5	0.9
80°-90°	2.9	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°	876.8	88.4
0°-40°	929.8	93.7
0°-60°	967.6	97.5
0°-90°	992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2675	
5°	2548	232
15°	1651	443
25°	402	202
35°	80	53
45°	27	23
55°	17	15
65°	13	13
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2674.7
1°	2660.6
2°	2640.5
3°	2616.3
4°	2587.2
5°	2547.9
6°	2498.6
7°	2439.2
8°	2366.8
9°	2288.3
10°	2205.8
11°	2115.2
12°	2014.6
13°	1902.9
14°	1781.1
15°	1651.3
16°	1518.5
17°	1379.6
18°	1240.7
19°	1103.9
20°	972.1
21°	851.3
22°	739.6
23°	623.9
24°	506.2
25°	401.5
26°	316.0
27°	251.6
28°	206.3
29°	173.1
30°	147.9
32.5°	106.7
35°	80.5
37.5°	60.4
40°	47.3
42.5°	36.2
45°	27.2
47.5°	22.1
50°	18.1
52.5°	18.1
55°	17.1
57.5°	16.1
60°	15.1



TEST NUMBER: P436670

CATALOG NUMBER: LSR1B08359030D010TExxSL

CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.1
70°	11.1
72.5°	9.1
75°	8.1
77.5°	7.0
80°	5.0
82.5°	4.0
85°	3.0
87.5°	1.0
90°	0.0



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— 0°-180°







62.5°		<i>14.1</i>
65°		<i>13.1</i>



(END OF REPORT)