

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: P436661

Luminaire Tested: **LSR1B08359027D010TExxSL**

Issue Date: 12/2/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P436661  
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: LSR1B08359027D010TExxSL  
Description: PORTFOLIO 1INCH CYLINDER, 35 DEG REFLECTOR OPTIC  
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 986.0 lumens  
Efficiency: N/A  
Efficacy: 59.8 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

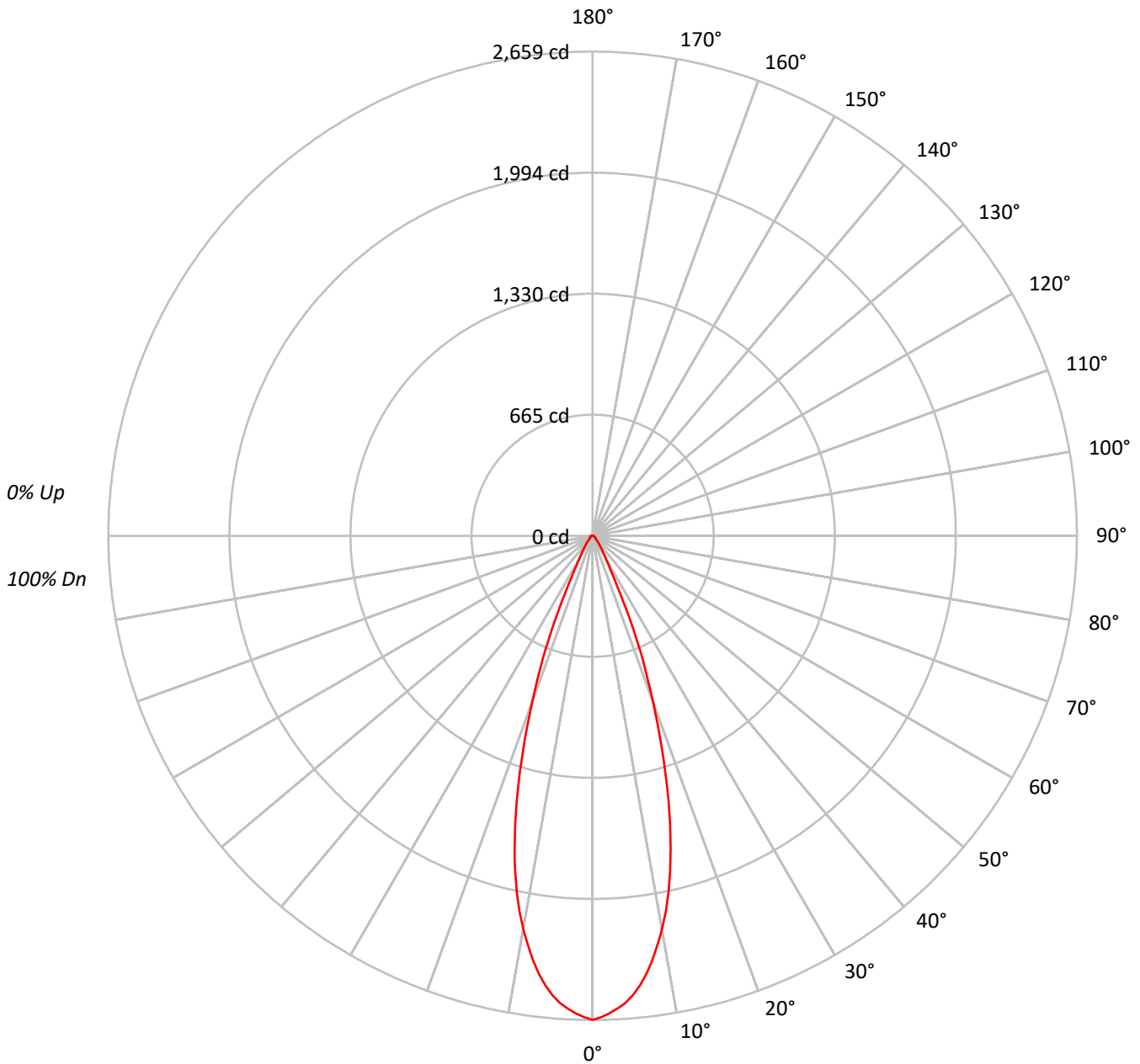
Input Watts (W): 16.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
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°	5247056
5°	5017284
10°	4393942
15°	3353644
20°	2029213
25°	869065
30°	334991
35°	192740
40°	121085
45°	75357
50°	55265
55°	58493
60°	59206
65°	60707
70°	63473
75°	61001
80°	56826
85°	67932



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.8	23.4
10°-20°	440.0	44.6
20°-30°	200.7	20.4
30°-40°	52.7	5.3
40°-50°	22.4	2.3
50°-60°	15.1	1.5
60°-70°	12.9	1.3
70°-80°	8.4	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°	871.6	88.4
0°-40°	924.2	93.7
0°-60°	961.8	97.5
0°-90°	986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2659	
5°	2533	231
15°	1641	440
25°	399	201
35°	80	53
45°	27	22
55°	17	15
65°	13	13
75°	8	8
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2658.7
1°	2644.7
2°	2624.7
3°	2600.7
4°	2571.7
5°	2532.6
6°	2483.6
7°	2424.6
8°	2352.6
9°	2274.6
10°	2192.6
11°	2102.5
12°	2002.5
13°	1891.5
14°	1770.5
15°	1641.4
16°	1509.4
17°	1371.4
18°	1233.3
19°	1097.3
20°	966.2
21°	846.2
22°	735.2
23°	620.2
24°	503.1
25°	399.1
26°	314.1
27°	250.1
28°	205.1
29°	172.0
30°	147.0
32.5°	106.0
35°	80.0
37.5°	60.0
40°	47.0
42.5°	36.0
45°	27.0
47.5°	22.0
50°	18.0
52.5°	18.0
55°	17.0
57.5°	16.0
60°	15.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	12.0
70°	11.0
72.5°	9.0
75°	8.0
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>14.0</i>
65°		<i>13.0</i>



(END OF REPORT)