

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: P436699

Luminaire Tested: **LSSQ1B08509027D010TExxMW**

Issue Date: 12/2/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P436699  
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: LSSQ1B08509027D010TExxMW  
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: Rectangular (W 0.08' x L: 0.08' x H: 0')  
CIE Type: Direct

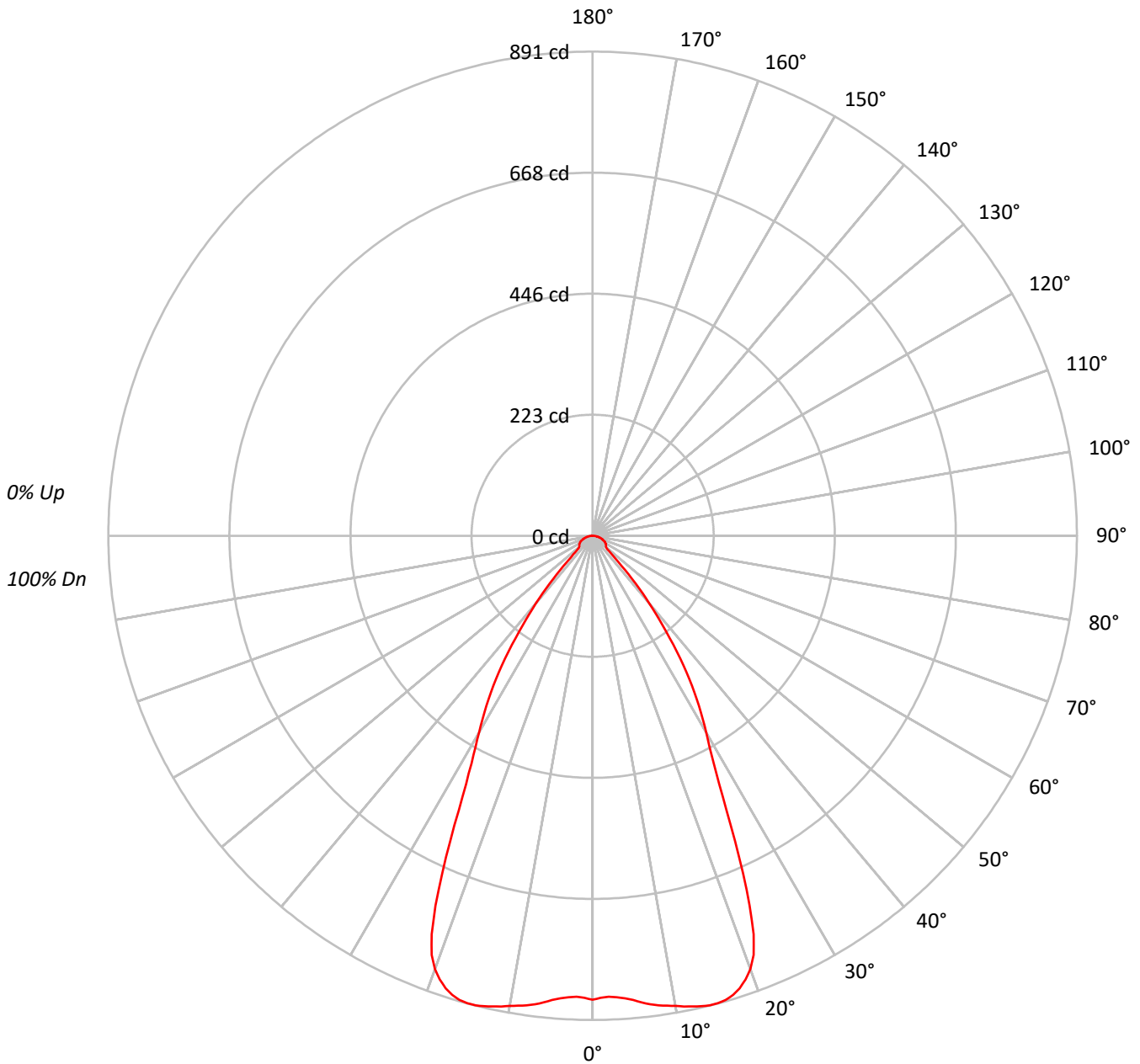
Input Watts (W): 16.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1333732
5°	1345100
10°	1393971
15°	1440632
20°	1411014
25°	1068366
30°	753793
35°	556780
40°	330223
45°	125952
50°	77785
55°	81723
60°	84374
65°	88731
70°	86799
75°	84517
80°	80982
85°	71710



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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)