

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: io LED

Report Number: P224988

Luminaire Tested: **LSSQWM2B20FL409027D010 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B20FL409027D010 2LBDL*LI
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1356.7 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

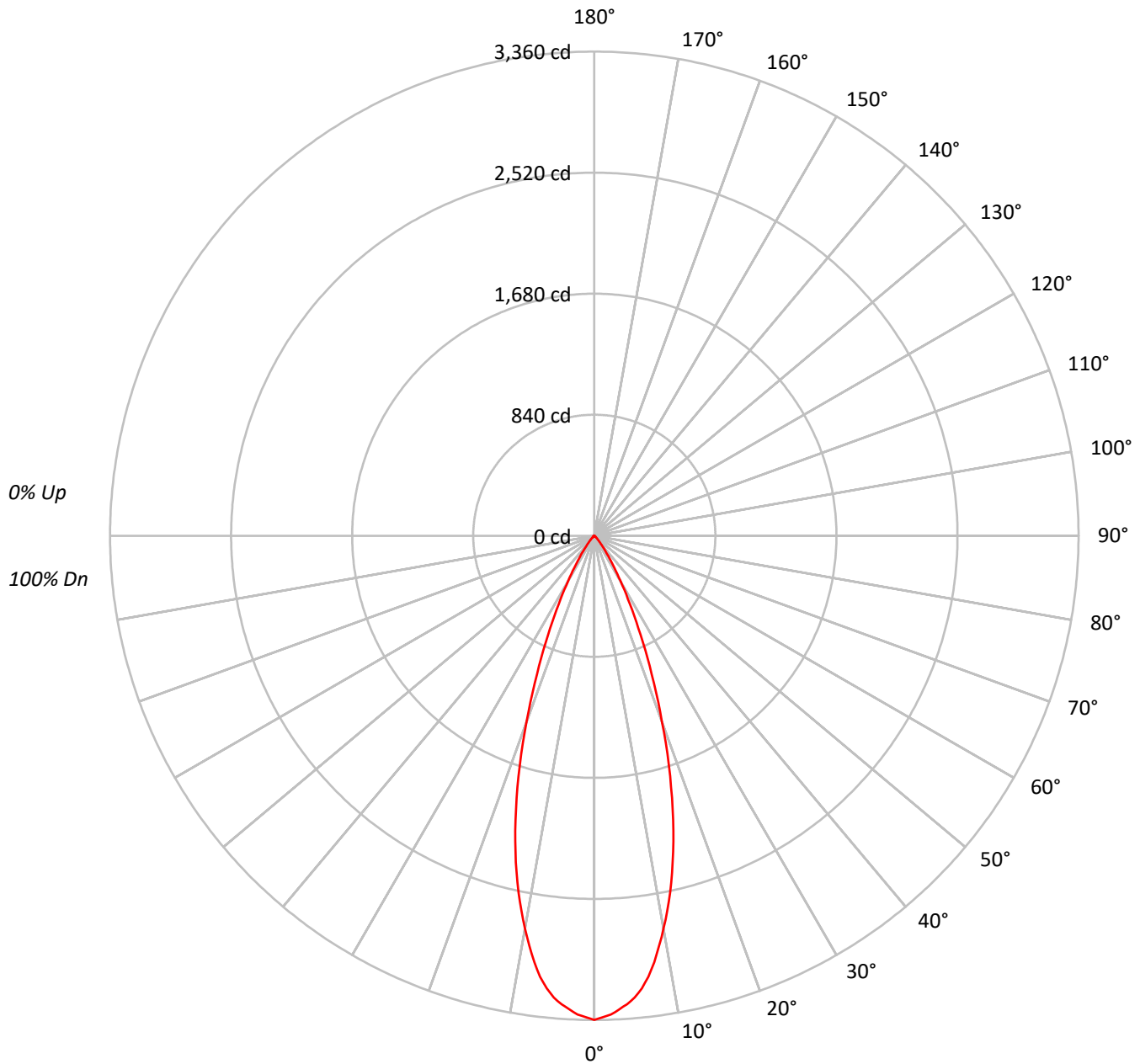
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108	112	110	108	106		106	105	103			102	101	100			99
2	110	106	103	100	108	104	101	99		101	99	97			98	96	95			96
3	106	101	96	93	104	99	95	92		97	94	91			94	92	90			92
4	102	96	91	88	100	95	90	87		93	89	86			91	88	85			89
5	98	91	86	83	97	90	86	83		89	85	82			87	84	81			86
6	94	87	82	79	93	86	82	79		85	81	78			84	80	78			83
7	91	83	79	75	90	83	78	75		82	78	75			81	77	74			80
8	88	80	75	72	87	80	75	72		79	74	71			78	74	71			77
9	85	77	72	69	84	76	72	69		76	71	69			75	71	68			74
10	82	74	69	66	81	74	69	66		73	69	66			72	68	66			72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1301444
5°	1250619
10°	1088674
15°	850141
20°	565380
25°	323747
30°	160927
35°	74003
40°	29681
45°	13585
50°	6267
55°	3512
60°	2014
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	21.6
10°-20°	574.9	42.4
20°-30°	355.8	26.2
30°-40°	106.5	7.8
40°-50°	21.3	1.6
50°-60°	5.2	0.4
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1223.4	90.2
0°-40°	1329.9	98.0
0°-60°	1356.4	100.0
0°-90°	1356.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3360	
5°	3216	293
15°	2120	575
25°	758	356
35°	156	106
45°	25	21
55°	5	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3359.9
1°	3341.6
2°	3324.7
3°	3290.8
4°	3259.5
5°	3216.4
6°	3157.8
7°	3083.5
8°	2988.3
9°	2880.1
10°	2767.9
11°	2651.9
12°	2528.0
13°	2399.0
14°	2260.8
15°	2120.0
17.5°	1748.4
20°	1371.6
22.5°	1037.8
25°	757.5
27.5°	531.9
30°	359.8
32.5°	237.3
35°	156.5
37.5°	97.8
40°	58.7
42.5°	37.8
45°	24.8
47.5°	15.6
50°	10.4
52.5°	7.8
55°	5.2
57.5°	3.9
60°	2.6
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)