

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: P223318

Luminaire Tested: **LSSQWM2B15NFL258035D010 2LBD*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B15NFL258035D010 2LBD*B
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1381.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

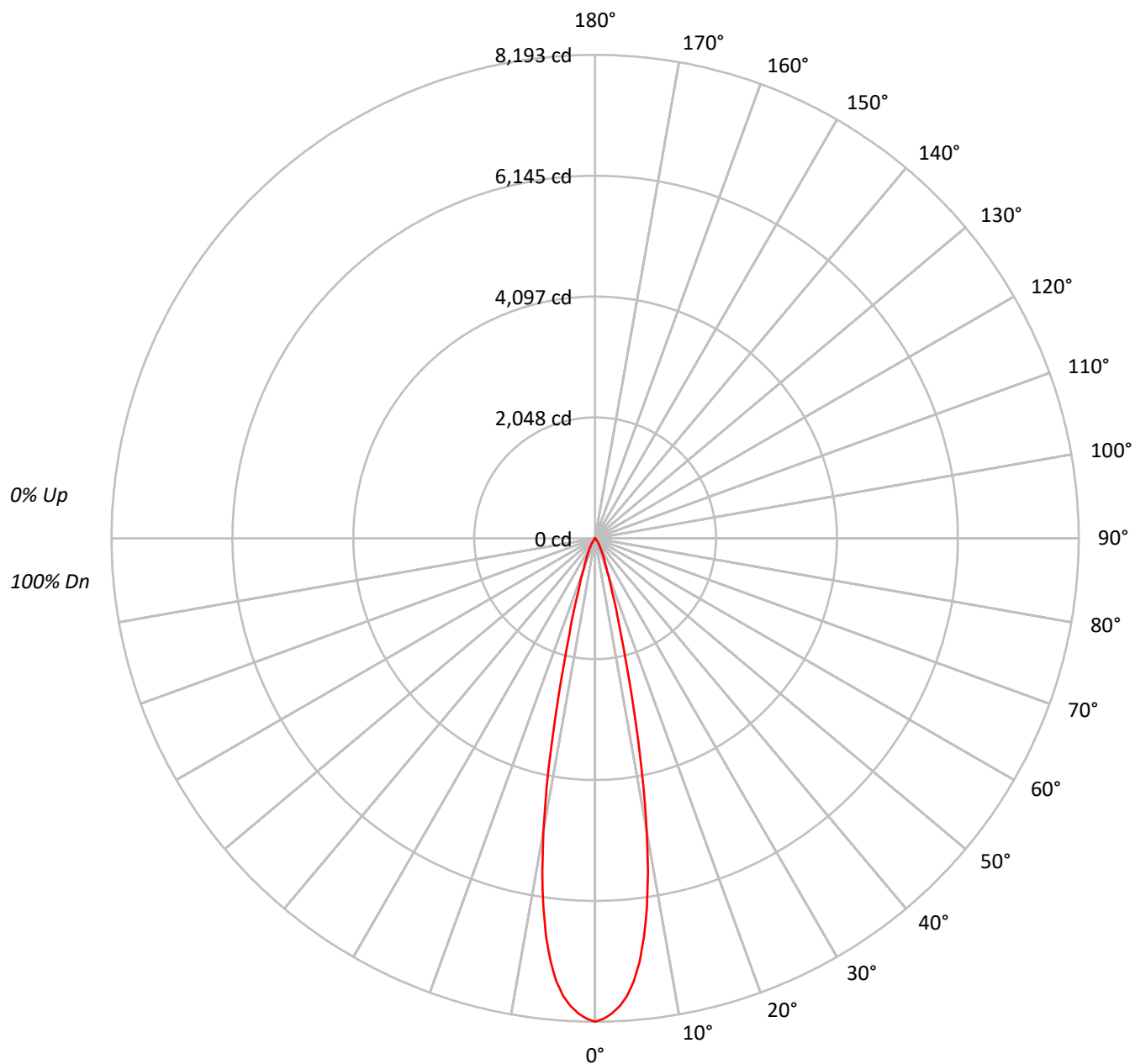
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	112	110		113	111	110	108		107	106	105			104	103	102			100
2	112	109	106	104		110	107	104	102		104	102	100			101	99	98			98
3	109	105	101	99		107	103	100	98		101	98	96			99	97	95			96
4	106	101	97	95		104	100	97	94		98	95	93			96	94	92			95
5	103	98	94	91		102	97	94	91		95	92	90			94	91	89			93
6	101	95	91	89		99	94	91	88		93	90	88			92	89	87			91
7	98	92	89	86		97	92	88	86		91	88	85			90	87	85			89
8	96	90	86	84		95	90	86	84		89	86	83			88	85	83			87
9	94	88	84	82		93	88	84	82		87	84	82			86	83	81			85
10	92	86	82	80		91	86	82	80		85	82	80			84	82	80			84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3173526
5°	2930151
10°	1983323
15°	674780
20°	247818
25°	131379
30°	67538
35°	31540
40°	10315
45°	5204
50°	2471
55°	945
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.0	46.4
10°-20°	539.0	39.0
20°-30°	147.9	10.7
30°-40°	43.1	3.1
40°-50°	8.0	0.6
50°-60°	1.8	0.1
60°-70°	0.2	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°	1327.9	96.2
0°-40°	1371.0	99.3
0°-60°	1380.8	100.0
0°-90°	1381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1381.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8193	
5°	7536	641
15°	1683	539
25°	307	148
35°	67	43
45°	10	8
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8193.0
1°	8145.3
2°	8061.0
3°	7939.9
4°	7774.0
5°	7535.9
6°	7210.8
7°	6804.1
8°	6307.6
9°	5721.3
10°	5042.5
11°	4298.5
12°	3524.5
13°	2785.8
14°	2156.0
15°	1682.7
17.5°	949.5
20°	601.2
22.5°	428.5
25°	307.4
27.5°	217.6
30°	151.0
32.5°	106.1
35°	66.7
37.5°	27.2
40°	20.4
42.5°	15.0
45°	9.5
47.5°	5.4
50°	4.1
52.5°	2.7
55°	1.4
57.5°	1.4
60°	1.4
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)