

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: P223431

Luminaire Tested: **LSSQWM2B05NFL258030D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223431
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: LSSQWM2B05NFL258030D010 2LBDLC*MMS
Description: 500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 714.0 lumens
Efficiency: N/A
Efficacy: 97.8 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

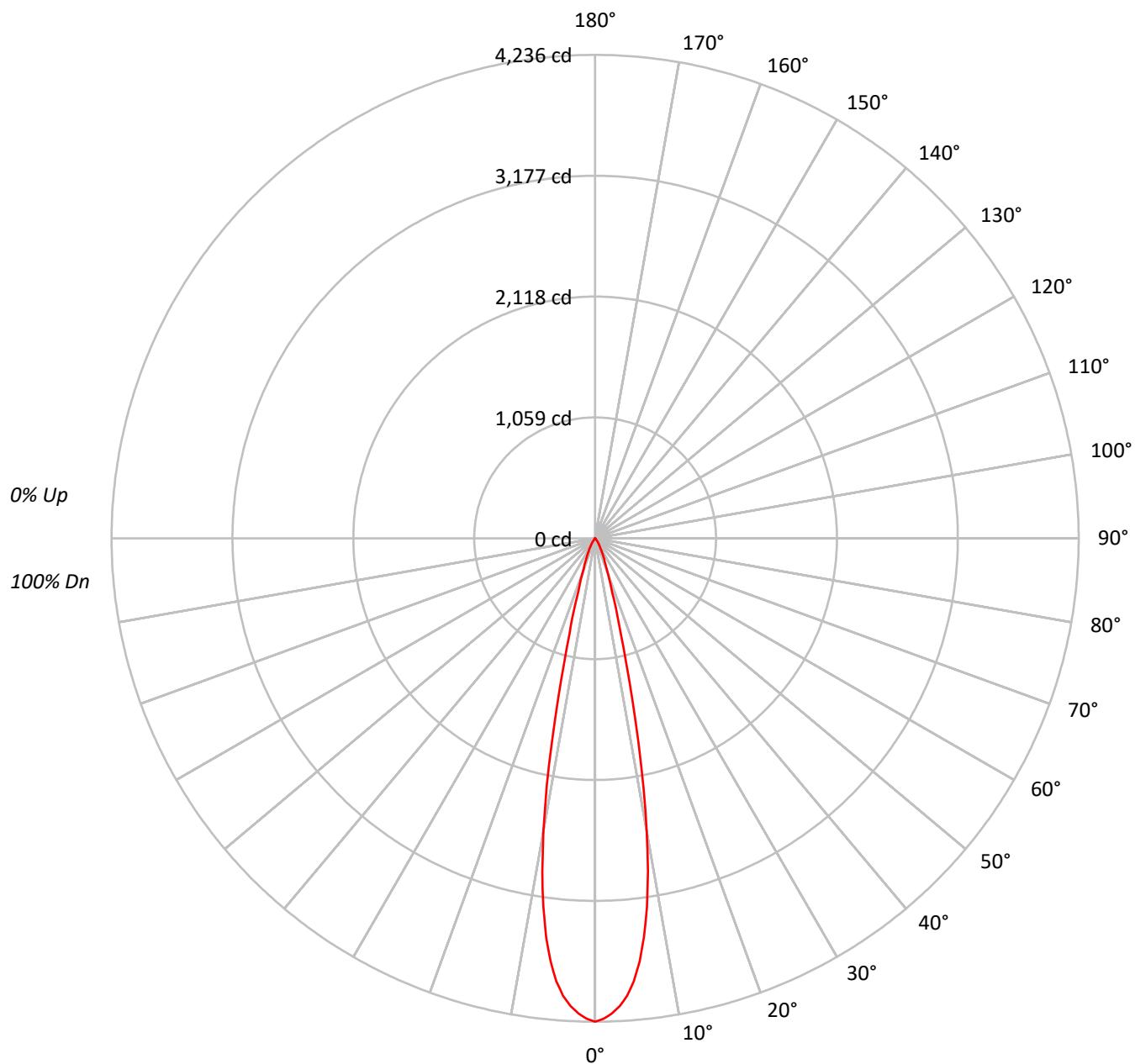
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	115	113	112	110		113	111	110	108		107	106	105			104	103	102			97
2	112	109	106	104		110	107	104	102		104	102	100			101	99	98			95
3	109	105	101	99		107	103	100	98		101	98	96			99	97	95			92
4	106	101	97	95		104	100	97	94		98	95	93			96	94	92			90
5	103	98	94	91		102	97	94	91		95	92	90			94	91	89			88
6	101	95	91	89		99	94	91	88		93	90	88			92	89	87			86
7	98	92	89	86		97	92	88	86		91	88	85			90	87	85			84
8	96	90	86	84		95	90	86	84		89	86	83			88	85	83			82
9	94	88	84	82		93	88	84	82		87	84	82			86	83	81			80
10	92	86	82	80		91	86	82	80		85	82	80			84	82	80			79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1640759
5°	1514942
10°	1025428
15°	348879
20°	128155
25°	67912
30°	34932
35°	16314
40°	5309
45°	2684
50°	1265
55°	473
60°	542
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.4	46.4
10°-20°	278.7	39.0
20°-30°	76.5	10.7
30°-40°	22.3	3.1
40°-50°	4.1	0.6
50°-60°	0.9	0.1
60°-70°	0.1	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°	686.6	96.2
0°-40°	708.9	99.3
0°-60°	713.9	100.0
0°-90°	714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4236	
5°	3896	331
15°	870	279
25°	159	76
35°	34	22
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4235.9
1°	4211.3
2°	4167.7
3°	4105.1
4°	4019.3
5°	3896.2
6°	3728.1
7°	3517.8
8°	3261.1
9°	2958.0
10°	2607.1
11°	2222.4
12°	1822.2
13°	1440.3
14°	1114.7
15°	870.0
17.5°	490.9
20°	310.9
22.5°	221.5
25°	158.9
27.5°	112.5
30°	78.1
32.5°	54.9
35°	34.5
37.5°	14.1
40°	10.5
42.5°	7.7
45°	4.9
47.5°	2.8
50°	2.1
52.5°	1.4
55°	0.7
57.5°	0.7
60°	0.7
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)