

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: P222536

Luminaire Tested: **LSSQWM2B05NFL259040D010 2LBDDELETELC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222536
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: LSSQWM2B05NFL259040D010 2LBDDELETELC*MB
Description: 500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 571.0 lumens
Efficiency: N/A
Efficacy: 78.2 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

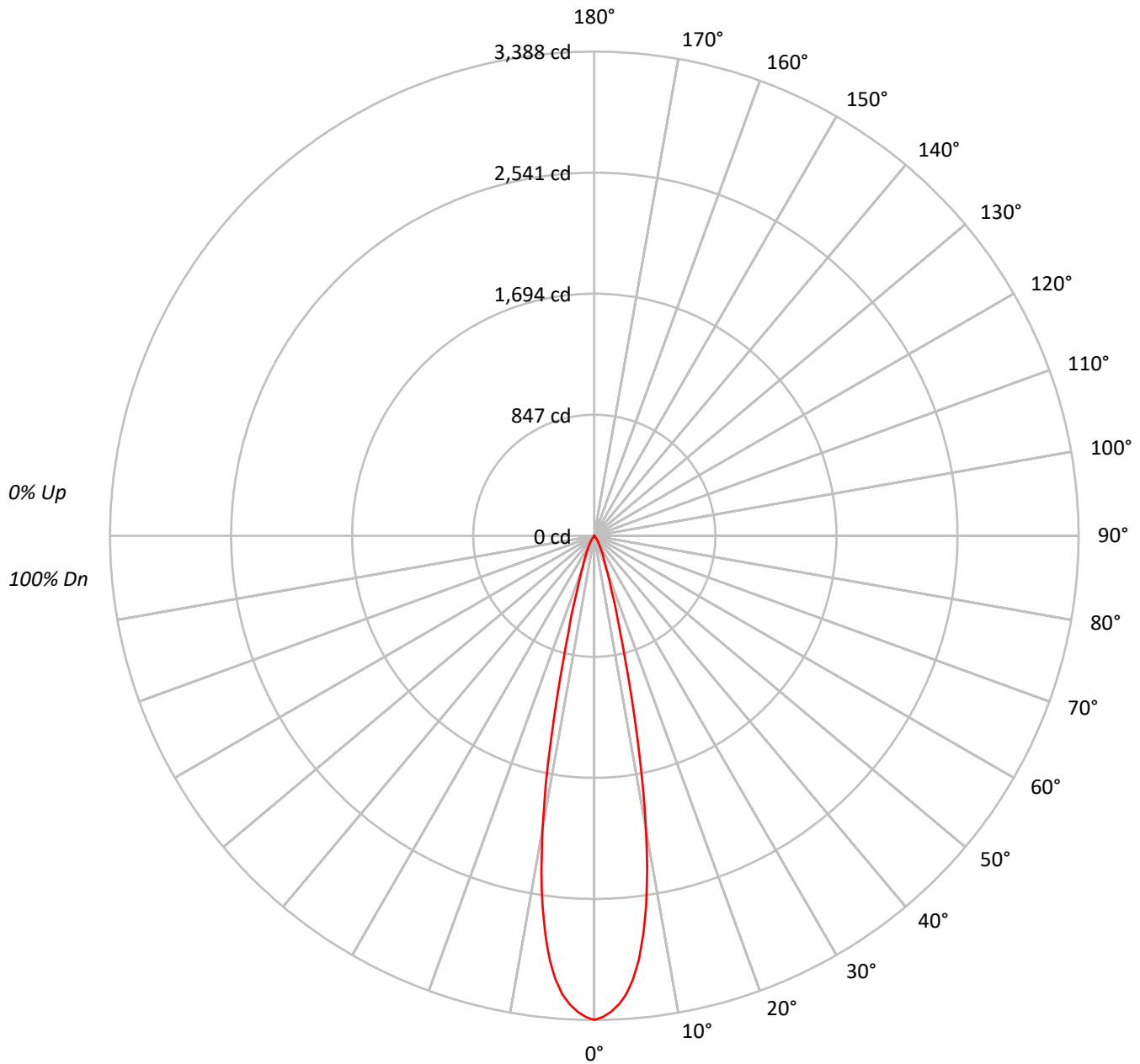
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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°	1312135
5°	1211542
10°	820036
15°	278983
20°	102474
25°	54321
30°	27910
35°	13051
40°	4247
45°	2136
50°	1024
55°	405
60°	465
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.0	46.4
10°-20°	222.9	39.0
20°-30°	61.2	10.7
30°-40°	17.8	3.1
40°-50°	3.3	0.6
50°-60°	0.8	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°	549.1	96.2
0°-40°	566.9	99.3
0°-60°	570.9	100.0
0°-90°	571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3388	
5°	3116	265
15°	696	223
25°	127	61
35°	28	18
45°	4	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3387.5
1°	3367.8
2°	3333.0
3°	3282.9
4°	3214.3
5°	3115.9
6°	2981.5
7°	2813.3
8°	2608.0
9°	2365.6
10°	2084.9
11°	1777.3
12°	1457.3
13°	1151.9
14°	891.5
15°	695.7
17.5°	392.6
20°	248.6
22.5°	177.2
25°	127.1
27.5°	90.0
30°	62.4
32.5°	43.9
35°	27.6
37.5°	11.2
40°	8.4
42.5°	6.2
45°	3.9
47.5°	2.2
50°	1.7
52.5°	1.1
55°	0.6
57.5°	0.6
60°	0.6
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)