

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: P222615

Luminaire Tested: **LSSQWM2B05NFL259040D010 2LBDDELETEC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222615
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 2LBDDELETEC*MMS
Description: 500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 621.0 lumens
Efficiency: N/A
Efficacy: 85.1 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

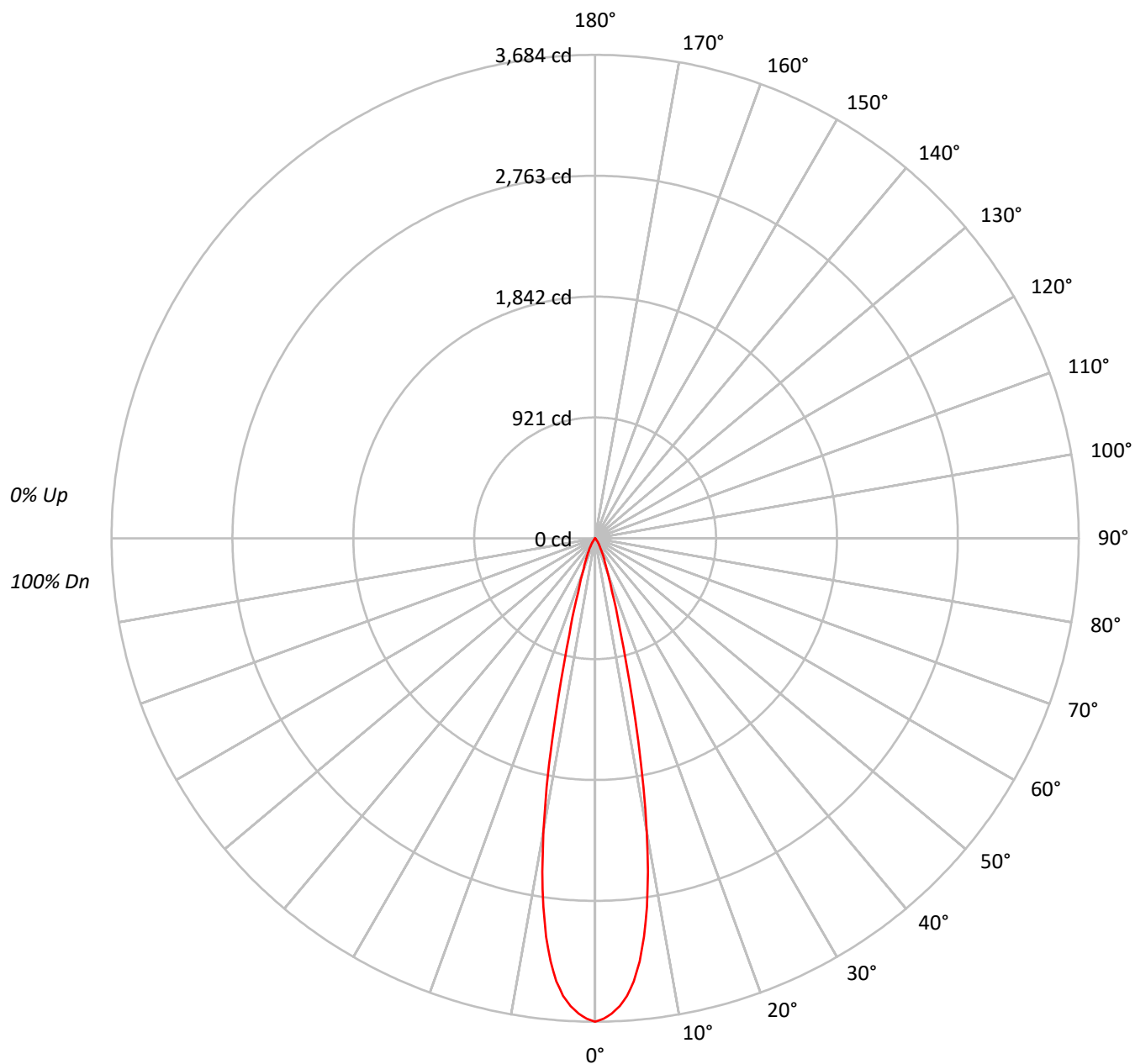
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	112	110		113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	104		110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	105	101	99		107	103	100	98		101	98	96		99	97	95		96	95	93
4	106	101	97	95		104	100	97	94		98	95	93		96	94	92		95	93	91
5	103	98	94	91		102	97	94	91		95	92	90		94	91	89		93	90	89
6	101	95	91	89		99	94	91	88		93	90	88		92	89	87		91	88	87
7	98	92	89	86		97	92	88	86		91	88	85		90	87	85		89	87	85
8	96	90	86	84		95	90	86	84		89	86	83		88	85	83		87	85	83
9	94	88	84	82		93	88	84	82		87	84	82		86	83	81		85	83	81
10	92	86	82	80		91	86	82	80		85	82	80		84	82	80		84	81	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1427060
5°	1317613
10°	891856
15°	303444
20°	111460
25°	59065
30°	30370
35°	14186
40°	4652
45°	2355
50°	1085
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°	288.3	46.4
10°-20°	242.4	39.0
20°-30°	66.5	10.7
30°-40°	19.4	3.1
40°-50°	3.6	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°	597.1	96.2
0°-40°	616.5	99.3
0°-60°	620.9	100.0
0°-90°	621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3684	
5°	3389	288
15°	757	242
25°	138	67
35°	30	19
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3684.2
1°	3662.7
2°	3624.8
3°	3570.4
4°	3495.8
5°	3388.7
6°	3242.5
7°	3059.6
8°	2836.4
9°	2572.7
10°	2267.5
11°	1932.9
12°	1584.9
13°	1252.7
14°	969.5
15°	756.7
17.5°	427.0
20°	270.4
22.5°	192.7
25°	138.2
27.5°	97.9
30°	67.9
32.5°	47.7
35°	30.0
37.5°	12.2
40°	9.2
42.5°	6.7
45°	4.3
47.5°	2.4
50°	1.8
52.5°	1.2
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)