

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: P224911

Luminaire Tested: **LSSQWM2B05FL409730D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05FL409730D010 2LBD*H
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 567.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

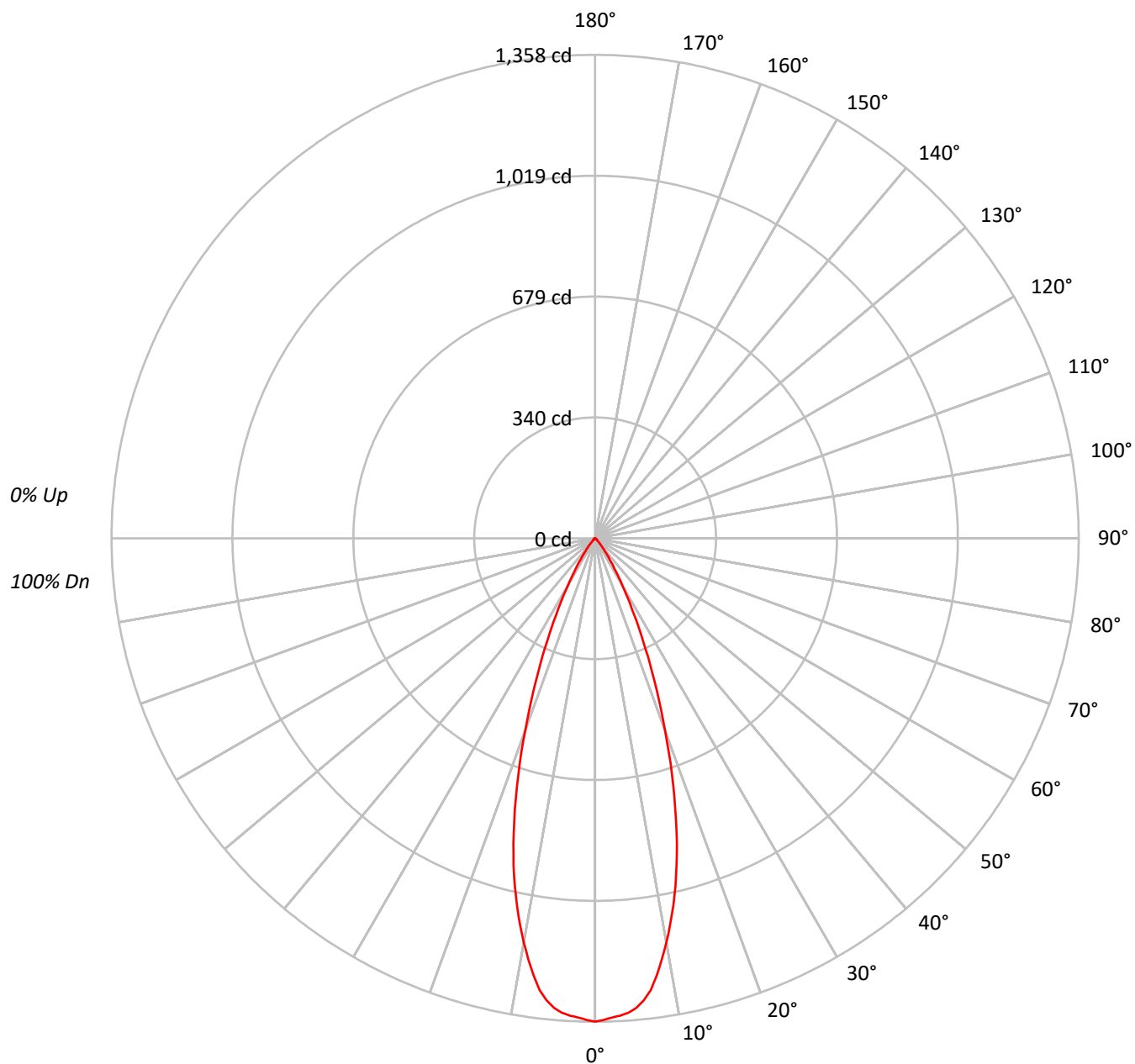
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	104	103			102	101	100			99
2	110	106	103	100		108	104	101	99		101	99	97			98	96	94			96
3	106	100	96	93		104	99	95	92		97	94	91			94	92	90			92
4	102	96	91	88		100	94	90	87		92	89	86			91	88	85			89
5	98	91	86	83		96	90	86	82		89	85	82			87	84	81			86
6	94	87	82	79		93	86	82	78		85	81	78			84	80	77			82
7	91	83	78	75		90	83	78	75		82	77	74			80	77	74			79
8	88	80	75	72		87	79	75	72		78	74	71			77	74	71			77
9	85	77	72	69		84	76	72	69		75	71	68			75	71	68			74
10	82	74	69	66		81	73	69	66		73	69	66			72	68	66			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	525900
5°	514883
10°	453500
15°	355776
20°	236276
25°	135611
30°	68030
35°	31398
40°	12793
45°	5697
50°	2953
55°	1823
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	21.3
10°-20°	240.1	42.4
20°-30°	149.2	26.3
30°-40°	45.0	7.9
40°-50°	9.2	1.6
50°-60°	2.3	0.4
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°	510.3	90.0
0°-40°	555.3	97.9
0°-60°	566.8	100.0
0°-90°	567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1358	
5°	1324	121
15°	887	240
25°	317	149
35°	66	45
45°	10	9
55°	3	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1357.7
1°	1353.3
2°	1347.3
3°	1342.9
4°	1336.3
5°	1324.2
6°	1305.0
7°	1278.7
8°	1240.8
9°	1198.0
10°	1153.0
11°	1105.2
12°	1055.2
13°	1003.1
14°	946.0
15°	887.2
17.5°	729.7
20°	573.2
22.5°	434.8
25°	317.3
27.5°	224.0
30°	152.1
32.5°	99.9
35°	66.4
37.5°	41.2
40°	25.3
42.5°	16.5
45°	10.4
47.5°	6.6
50°	4.9
52.5°	3.3
55°	2.7
57.5°	1.6
60°	1.1
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)