

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: P225477

Luminaire Tested: **LSSQWM2B05FL409035D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05FL409035D010 2LBDL*H
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 602.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

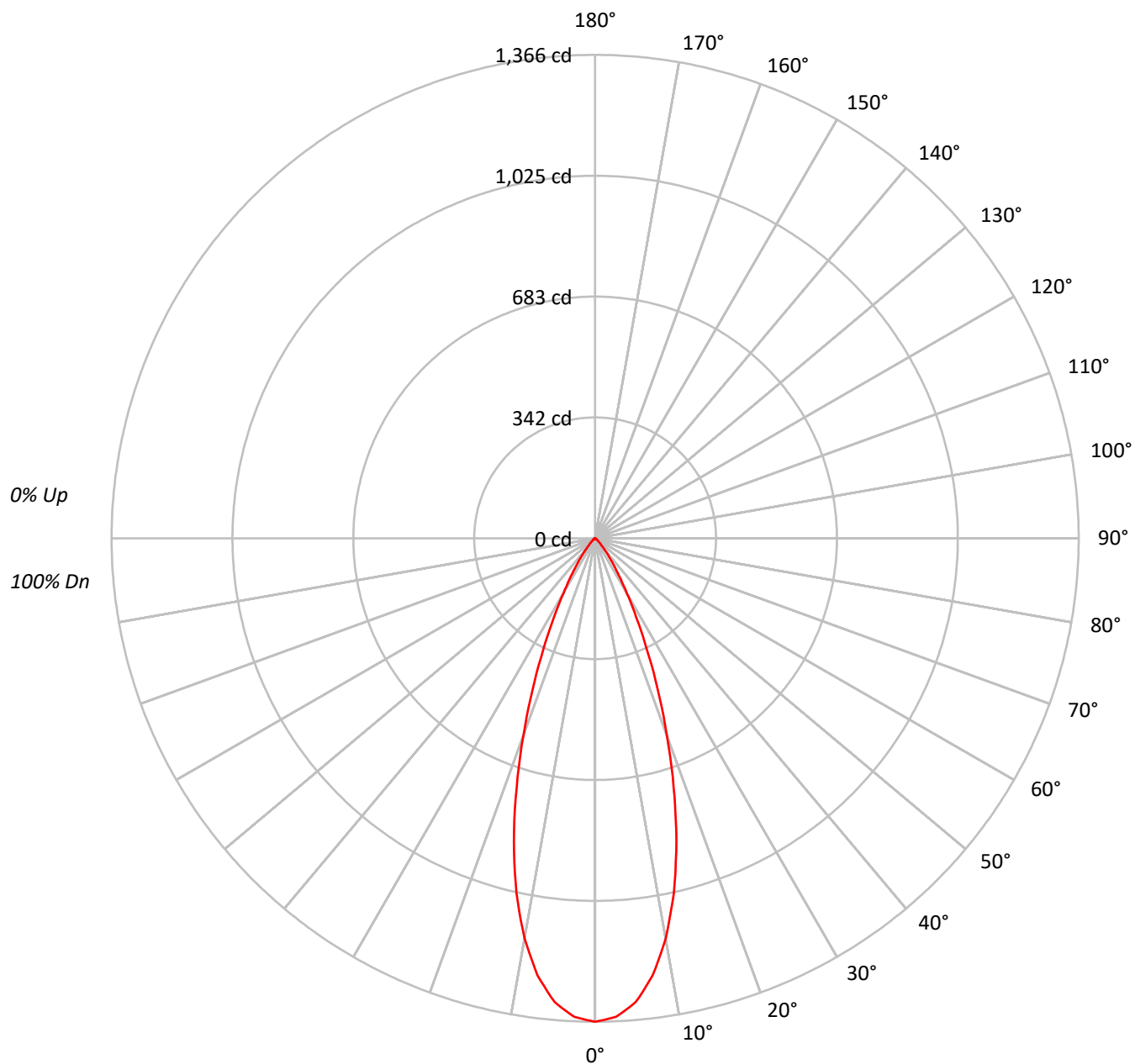
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	105	102	99		108	104	101	98		101	98	96		98	96	94		95	93	92
3	105	100	96	92		103	98	95	91		96	93	90		94	91	89		91	89	87
4	101	95	90	86		99	94	89	86		91	88	85		90	86	84		88	85	83
5	97	90	85	81		96	89	84	81		87	83	80		86	82	80		84	81	79
6	93	86	81	77		92	85	80	77		84	79	76		82	79	76		81	78	75
7	90	82	77	73		88	81	76	73		80	76	73		79	75	72		78	75	72
8	86	78	73	70		85	78	73	70		77	72	69		76	72	69		75	71	69
9	83	75	70	67		82	75	70	67		74	69	66		73	69	66		72	69	66
10	80	72	67	64		79	72	67	64		71	67	64		70	66	64		70	66	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	529192
5°	511578
10°	451376
15°	355616
20°	244355
25°	147577
30°	79972
35°	41092
40°	20074
45°	9532
50°	5002
55°	3377
60°	1937
65°	733
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	20.0
10°-20°	241.4	40.1
20°-30°	161.3	26.8
30°-40°	58.4	9.7
40°-50°	15.1	2.5
50°-60°	4.5	0.7
60°-70°	1.1	0.2
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°	522.9	86.9
0°-40°	581.3	96.6
0°-60°	600.9	99.8
0°-90°	602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	602.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1366	
5°	1316	120
15°	887	241
25°	345	161
35°	87	58
45°	17	15
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1366.2
2.5°	1353.8
5°	1315.7
7.5°	1246.1
10°	1147.6
12.5°	1026.7
15°	886.8
17.5°	737.7
20°	592.8
22.5°	459.5
25°	345.3
27.5°	251.7
30°	178.8
32.5°	125.9
35°	86.9
37.5°	60.4
40°	39.7
42.5°	25.7
45°	17.4
47.5°	12.4
50°	8.3
52.5°	6.6
55°	5.0
57.5°	3.3
60°	2.5
62.5°	1.7
65°	0.8
67.5°	0.8
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)