

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: P225341

Luminaire Tested: **LSSQWM2B05FL409024D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05FL409024D010 2LBDC*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 480.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

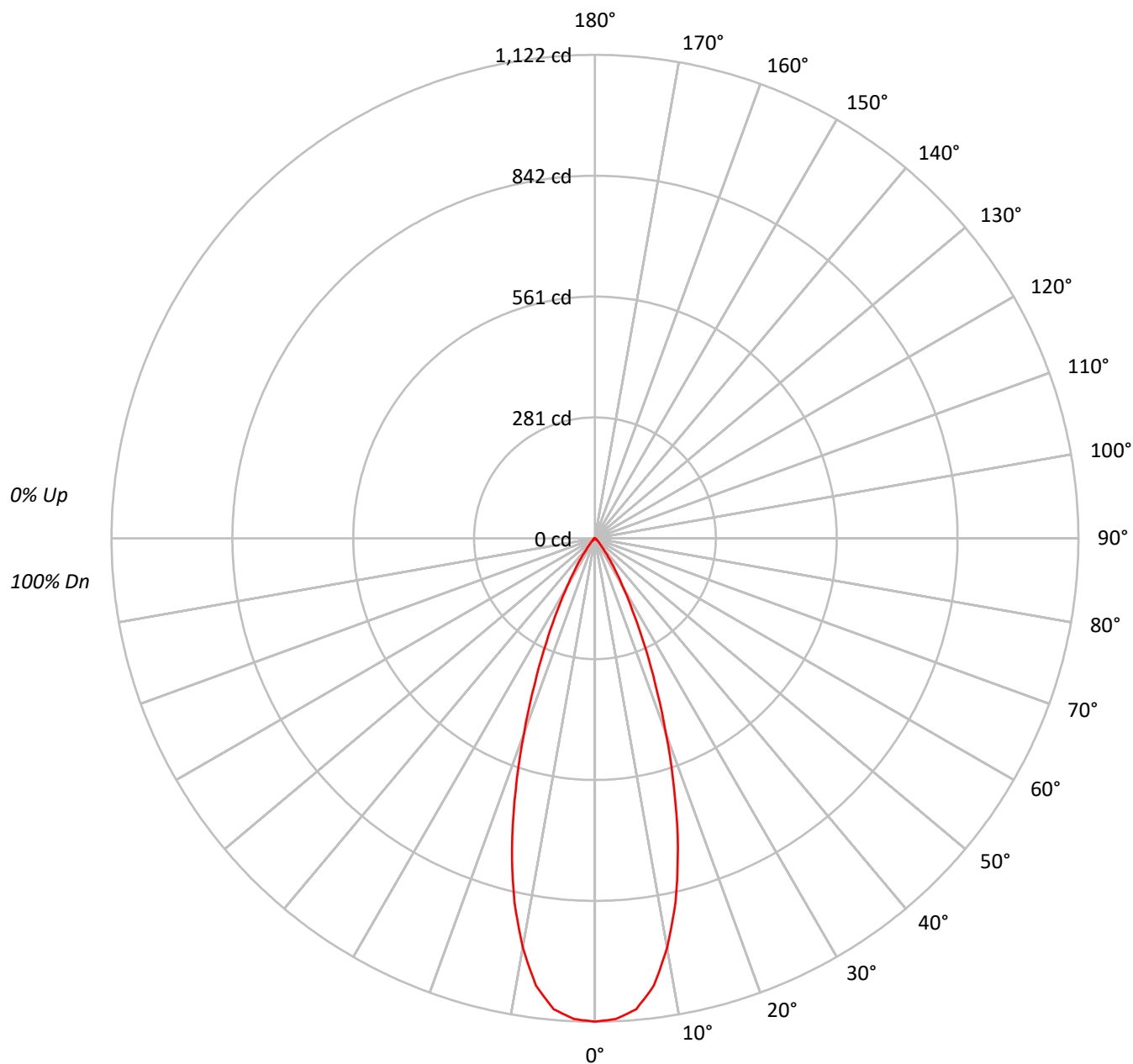
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99		108	104	101	98		101	98	96			98	96	94			95
3	105	100	96	93		104	99	95	92		96	93	90			94	91	89			92
4	101	95	90	87		100	94	90	86		92	88	85			90	87	85			88
5	98	91	86	82		96	90	85	82		88	84	81			86	83	80			85
6	94	87	82	78		93	86	81	78		84	80	77			83	80	77			82
7	90	83	78	74		89	82	77	74		81	77	74			80	76	73			79
8	87	79	74	71		86	79	74	71		78	74	71			77	73	70			76
9	84	76	71	68		83	76	71	68		75	71	68			74	70	67			73
10	81	73	68	65		80	73	68	65		72	68	65			71	68	65			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	434563
5°	426619
10°	379241
15°	298271
20°	198477
25°	113942
30°	57563
35°	27095
40°	10922
45°	5423
50°	2953
55°	2093
60°	1937
65°	1100
70°	1359
75°	898
80°	1338
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	20.9
10°-20°	201.5	42.0
20°-30°	125.3	26.1
30°-40°	38.6	8.0
40°-50°	8.5	1.8
50°-60°	3.0	0.6
60°-70°	1.5	0.3
70°-80°	0.9	0.2
80°-90°	0.2	0.1
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°	427.3	89.0
0°-40°	465.9	97.1
0°-60°	477.4	99.5
0°-90°	480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	480.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1122	
5°	1097	100
15°	744	201
25°	267	125
35°	57	39
45°	10	8
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1121.9
2.5°	1116.9
5°	1097.2
7.5°	1047.4
10°	964.2
12.5°	864.5
15°	743.8
17.5°	612.0
20°	481.5
22.5°	365.1
25°	266.6
27.5°	187.8
30°	128.7
32.5°	86.8
35°	57.3
37.5°	34.5
40°	21.6
42.5°	14.8
45°	9.9
47.5°	6.8
50°	4.9
52.5°	4.3
55°	3.1
57.5°	2.5
60°	2.5
62.5°	1.8
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)