

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: P225283

Luminaire Tested: **LSSQWM2B05FL409024D010 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225283
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*MMS
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 552.9 lumens
Efficiency: N/A
Efficacy: 75.7 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

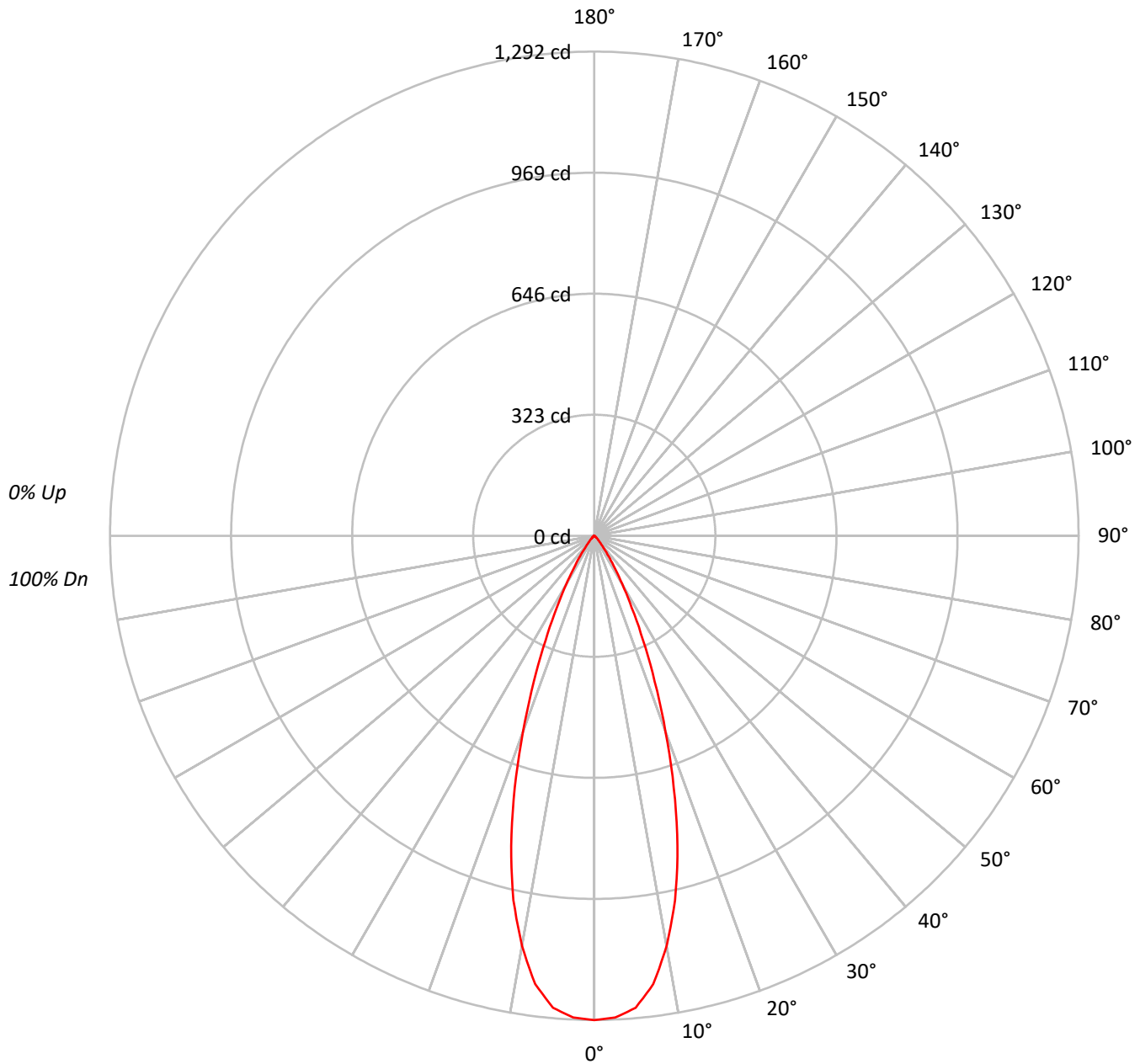
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	500645
5°	491514
10°	436941
15°	343626
20°	228650
25°	131294
30°	66330
35°	31209
40°	12540
45°	6190
50°	3435
55°	2364
60°	2169
65°	1283
70°	1586
75°	1048
80°	1561
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	20.9
10°-20°	232.1	42.0
20°-30°	144.4	26.1
30°-40°	44.4	8.0
40°-50°	9.7	1.8
50°-60°	3.5	0.6
60°-70°	1.7	0.3
70°-80°	1.0	0.2
80°-90°	0.3	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°	492.3	89.0
0°-40°	536.7	97.1
0°-60°	549.9	99.5
0°-90°	552.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1292	
5°	1264	116
15°	857	232
25°	307	144
35°	66	44
45°	11	10
55°	4	3
65°	1	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1292.5
2.5°	1286.8
5°	1264.1
7.5°	1206.6
10°	1110.9
12.5°	996.0
15°	856.9
17.5°	705.1
20°	554.7
22.5°	420.7
25°	307.2
27.5°	216.4
30°	148.3
32.5°	100.0
35°	66.0
37.5°	39.7
40°	24.8
42.5°	17.0
45°	11.3
47.5°	7.8
50°	5.7
52.5°	5.0
55°	3.5
57.5°	2.8
60°	2.8
62.5°	2.1
65°	1.4
67.5°	1.4
70°	1.4
72.5°	1.4
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)