

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: P225344

Luminaire Tested: **LSSQWM2B05FL409035D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225344
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: LSSQWM2B05FL409035D010 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: 561.0 lumens
Efficiency: N/A
Efficacy: 76.8 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

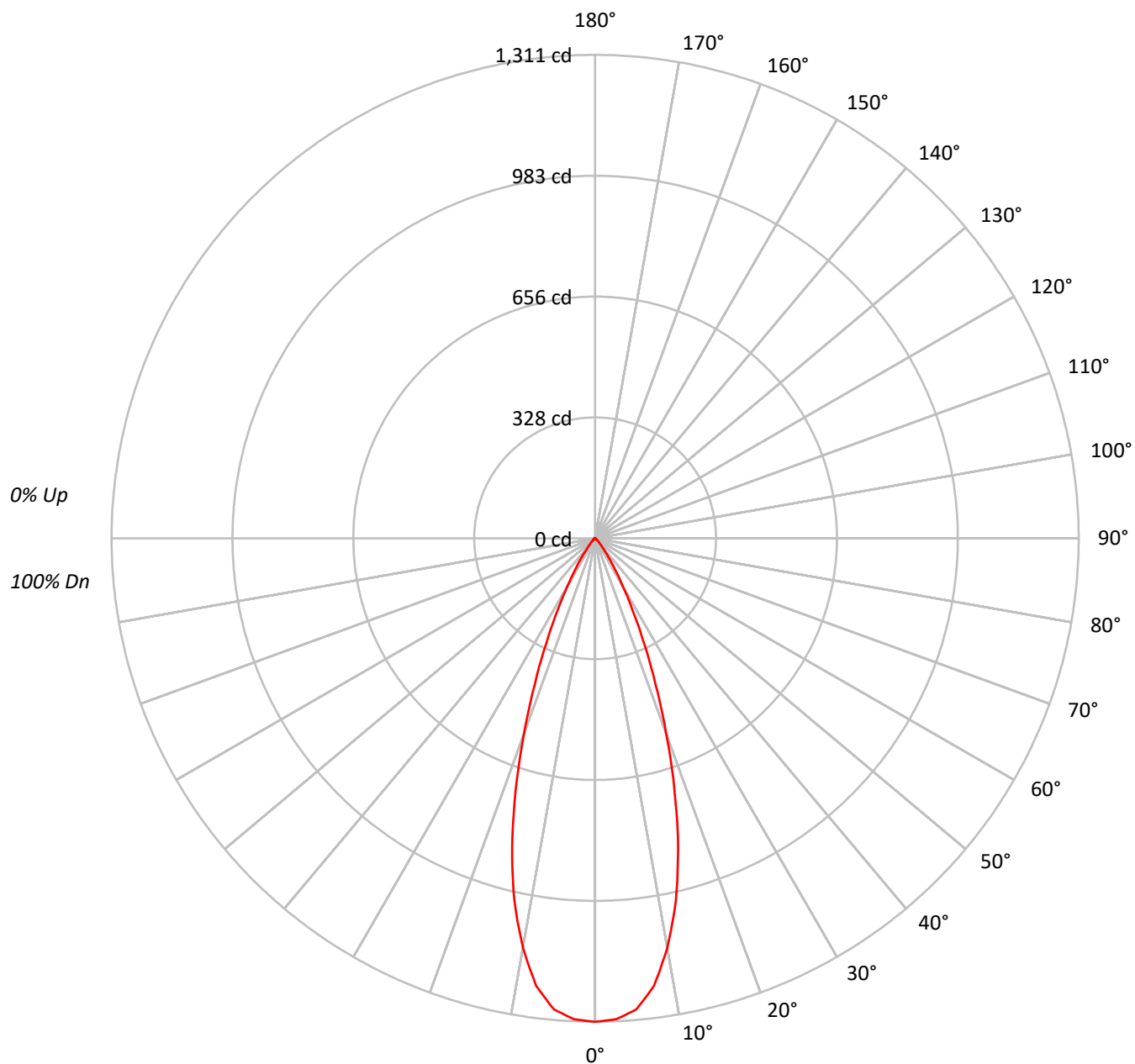
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	102	99		108	104	101	98		101	98	96			98	96	94			91
3	105	100	96	93		104	99	95	92		96	93	90			94	91	89			86
4	101	95	90	87		100	94	90	86		92	88	85			90	87	85			82
5	98	91	86	82		96	90	85	82		88	84	81			86	83	80			79
6	94	87	82	78		93	86	81	78		84	80	77			83	80	77			75
7	90	83	78	74		89	82	77	74		81	77	74			80	76	73			72
8	87	79	74	71		86	79	74	71		78	74	71			77	73	70			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	67			66
10	81	73	68	65		80	73	68	65		72	68	65			71	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	507888
5°	498630
10°	443273
15°	348598
20°	231989
25°	133174
30°	67269
35°	31634
40°	12742
45°	6300
50°	3495
55°	2431
60°	2247
65°	1283
70°	1586
75°	1048
80°	1561
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	20.9
10°-20°	235.5	42.0
20°-30°	146.5	26.1
30°-40°	45.0	8.0
40°-50°	9.9	1.8
50°-60°	3.5	0.6
60°-70°	1.8	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°	499.4	89.0
0°-40°	544.5	97.1
0°-60°	557.9	99.5
0°-90°	561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	561.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1311	
5°	1282	117
15°	869	235
25°	312	146
35°	67	45
45°	12	10
55°	4	4
65°	1	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1311.2
2.5°	1305.4
5°	1282.4
7.5°	1224.1
10°	1127.0
12.5°	1010.4
15°	869.3
17.5°	715.3
20°	562.8
22.5°	426.7
25°	311.6
27.5°	219.5
30°	150.4
32.5°	101.5
35°	66.9
37.5°	40.3
40°	25.2
42.5°	17.3
45°	11.5
47.5°	7.9
50°	5.8
52.5°	5.0
55°	3.6
57.5°	2.9
60°	2.9
62.5°	2.2
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)