

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: P224527

Luminaire Tested: **LSSQ2B05FL408027D010 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B05FL408027D010 2LBDL*WMH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 723.1 lumens
Efficiency: N/A
Efficacy: 99.1 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

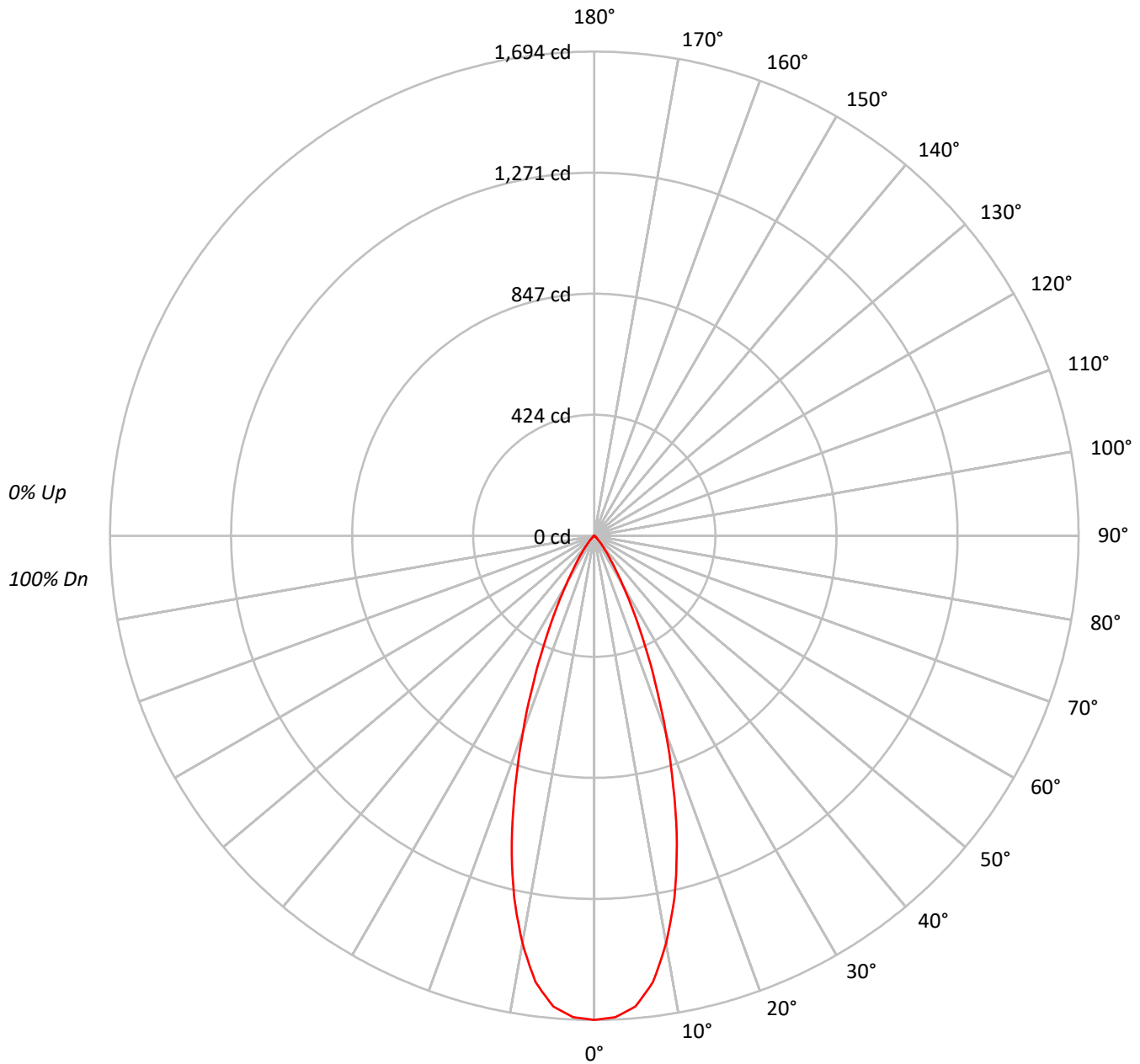
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100		108	104	101	98		101	98	96			98	96	94			95
3	106	100	96	93		104	99	95	92		96	93	91			94	91	89			92
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			88
5	98	91	86	82		96	90	85	82		88	84	81			87	83	81			85
6	94	87	82	78		93	86	81	78		85	81	77			83	80	77			82
7	91	83	78	75		89	82	78	74		81	77	74			80	76	74			79
8	87	79	75	71		86	79	74	71		78	74	71			77	73	71			76
9	84	76	71	68		83	76	71	68		75	71	68			74	70	68			73
10	81	73	69	65		80	73	68	65		72	68	65			72	68	65			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	656164
5°	642612
10°	569293
15°	447367
20°	300786
25°	174717
30°	87307
35°	41186
40°	19467
45°	8546
50°	4399
55°	2499
60°	1394
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.2	20.9
10°-20°	302.6	41.8
20°-30°	191.3	26.5
30°-40°	59.8	8.3
40°-50°	13.9	1.9
50°-60°	3.6	0.5
60°-70°	0.7	0.1
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°	645.0	89.2
0°-40°	704.9	97.5
0°-60°	722.4	99.9
0°-90°	723.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1694	
5°	1653	151
15°	1116	303
25°	409	191
35°	87	60
45°	16	14
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1694.0
2.5°	1685.7
5°	1652.7
7.5°	1574.8
10°	1447.4
12.5°	1296.1
15°	1115.6
17.5°	918.5
20°	729.7
22.5°	555.5
25°	408.8
27.5°	288.7
30°	195.2
32.5°	130.2
35°	87.1
37.5°	58.7
40°	38.5
42.5°	23.8
45°	15.6
47.5°	11.0
50°	7.3
52.5°	5.5
55°	3.7
57.5°	2.7
60°	1.8
62.5°	1.8
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)