

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: P225287

Luminaire Tested: **LSSQ2B05FL409040D010 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225287
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: LSSQ2B05FL409040D010 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: 659.0 lumens
Efficiency: N/A
Efficacy: 90.3 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

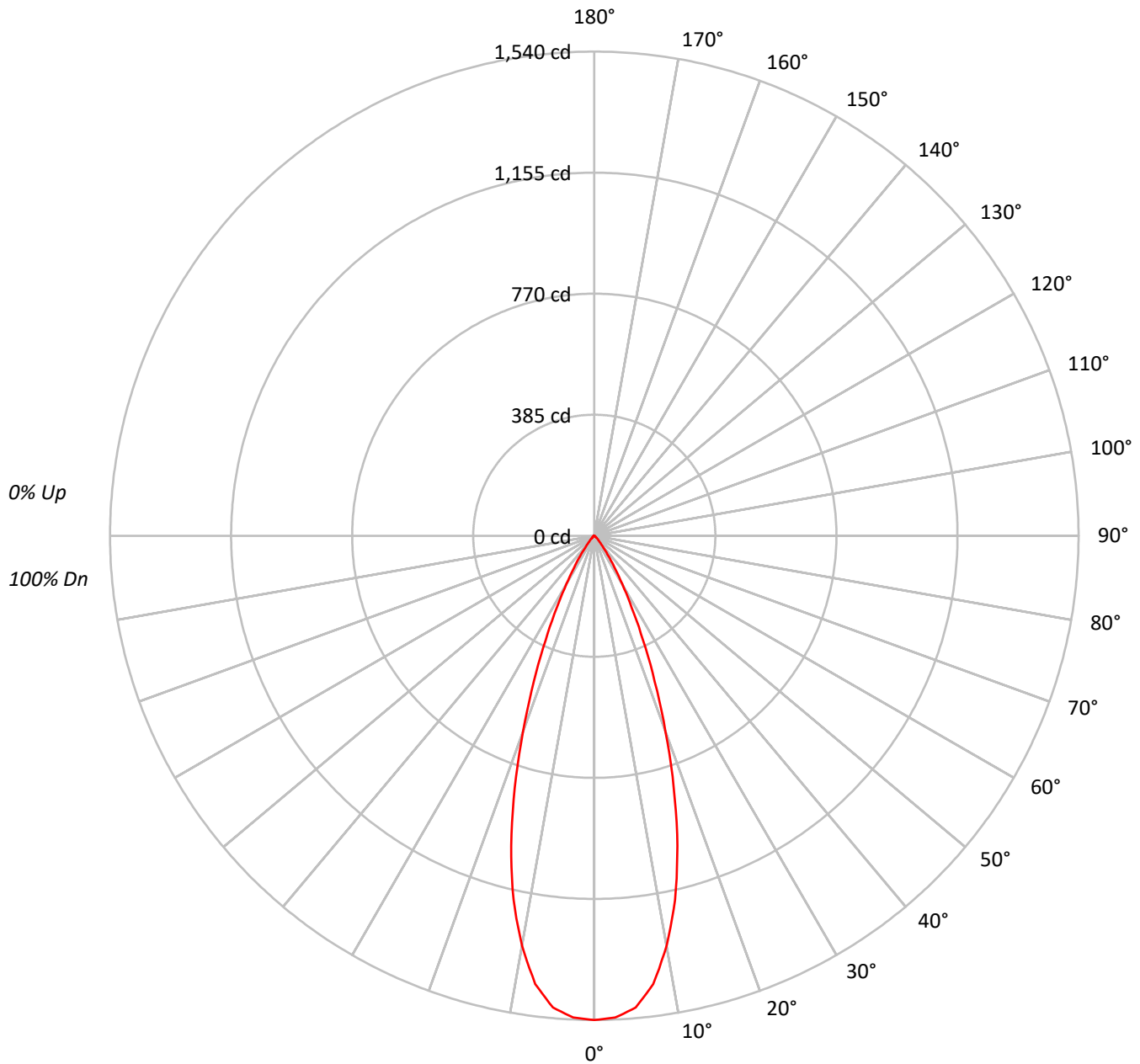
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	106	102	99		108	104	101	98		101	98	96		98	96	94		95	94	92
3	105	100	96	93		104	99	95	92		96	93	90		94	91	89		92	90	88
4	101	95	90	87		100	94	90	86		92	88	85		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		86	83	80		85	82	80
6	94	87	82	78		93	86	81	78		84	80	77		83	80	77		82	79	76
7	90	83	78	74		89	82	77	74		81	77	74		80	76	73		79	76	73
8	87	79	74	71		86	79	74	71		78	74	71		77	73	70		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	67		73	70	67
10	81	73	68	65		80	73	68	65		72	68	65		71	68	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	596590
5°	585727
10°	520679
15°	409511
20°	272509
25°	156424
30°	79032
35°	37167
40°	14967
45°	7395
50°	4098
55°	2836
60°	2634
65°	1558
70°	1925
75°	1197
80°	1785
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	20.9
10°-20°	276.6	42.0
20°-30°	172.1	26.1
30°-40°	52.9	8.0
40°-50°	11.6	1.8
50°-60°	4.1	0.6
60°-70°	2.1	0.3
70°-80°	1.2	0.2
80°-90°	0.3	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°	586.7	89.0
0°-40°	639.6	97.1
0°-60°	655.3	99.5
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1540	
5°	1506	138
15°	1021	277
25°	366	172
35°	79	53
45°	14	12
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1540.2
2.5°	1533.5
5°	1506.4
7.5°	1437.9
10°	1323.8
12.5°	1186.9
15°	1021.2
17.5°	840.3
20°	661.1
22.5°	501.3
25°	366.0
27.5°	257.8
30°	176.7
32.5°	119.2
35°	78.6
37.5°	47.3
40°	29.6
42.5°	20.3
45°	13.5
47.5°	9.3
50°	6.8
52.5°	5.9
55°	4.2
57.5°	3.4
60°	3.4
62.5°	2.5
65°	1.7
67.5°	1.7
70°	1.7
72.5°	1.7
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)