

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: P224594

Luminaire Tested: **LSR2B05FL409040D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05FL409040D010 2LBDLC*MMS
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 608.0 lumens
Efficiency: N/A
Efficacy: 83.3 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

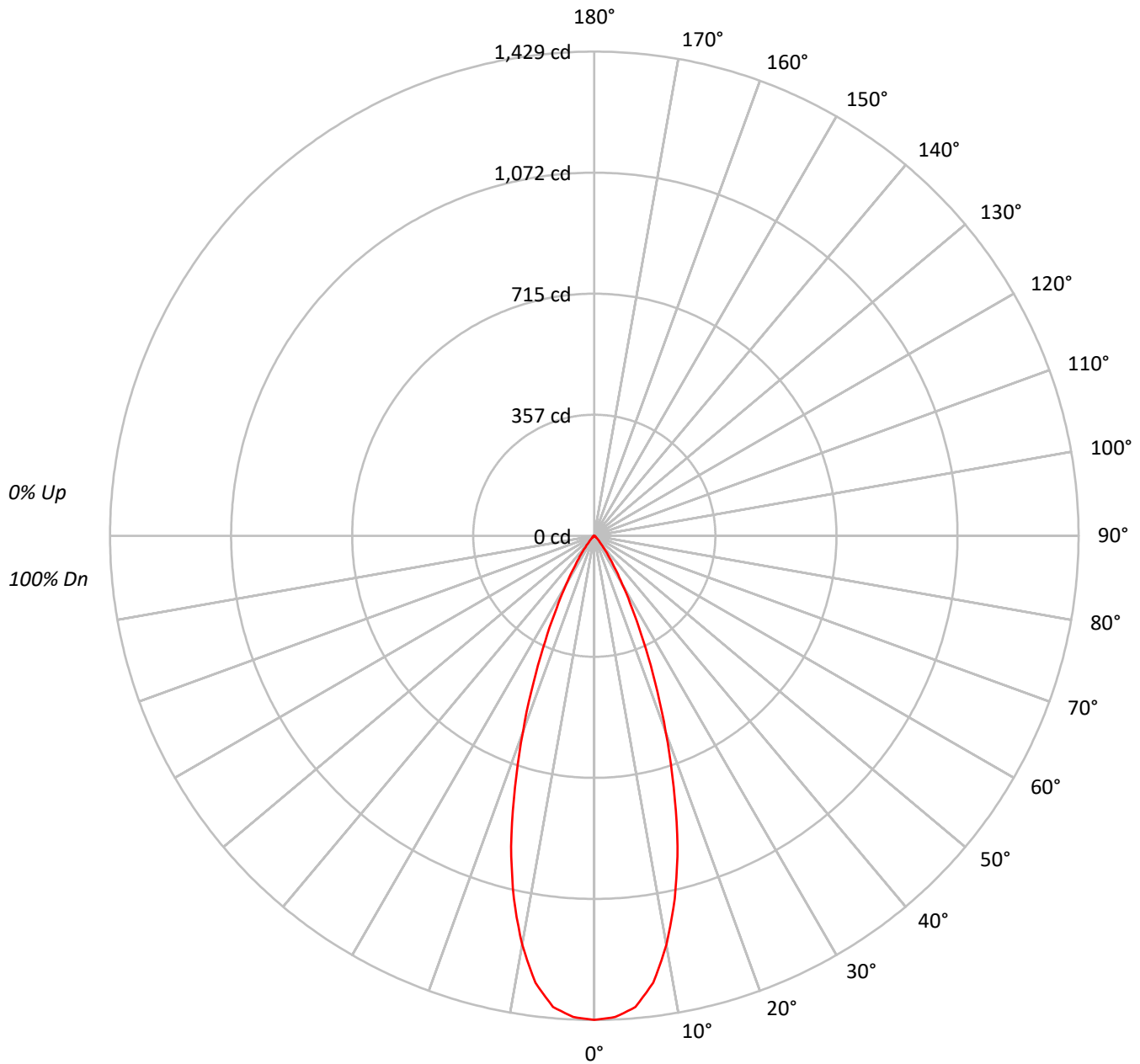
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
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	99		101	99	96			98	96	94			95
3	106	100	96	93		104	99	95	92		97	93	91			94	92	89			92
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			89
5	98	91	86	83		96	90	86	82		88	85	82			87	83	81			85
6	94	87	82	78		93	86	82	78		85	81	78			83	80	77			82
7	91	83	78	75		89	82	78	75		81	77	74			80	77	74			79
8	87	80	75	71		86	79	75	71		78	74	71			77	73	71			76
9	84	76	72	68		83	76	71	68		75	71	68			74	71	68			74
10	81	74	69	66		81	73	69	66		72	68	65			72	68	65			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	553440
5°	542801
10°	482173
15°	380518
20°	253795
25°	146082
30°	73978
35°	34708
40°	14209
45°	6409
50°	3314
55°	2093
60°	1240
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	21.0
10°-20°	256.4	42.2
20°-30°	160.6	26.4
30°-40°	49.7	8.2
40°-50°	10.3	1.7
50°-60°	2.9	0.5
60°-70°	0.4	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°	544.8	89.6
0°-40°	594.5	97.8
0°-60°	607.6	99.9
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1429	
5°	1396	128
15°	949	256
25°	342	161
35°	73	50
45°	12	10
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1428.8
2.5°	1421.8
5°	1396.0
7.5°	1330.5
10°	1225.9
12.5°	1097.2
15°	948.9
17.5°	778.0
20°	615.7
22.5°	468.2
25°	341.8
27.5°	240.3
30°	165.4
32.5°	110.8
35°	73.4
37.5°	46.0
40°	28.1
42.5°	17.9
45°	11.7
47.5°	7.8
50°	5.5
52.5°	3.9
55°	3.1
57.5°	2.3
60°	1.6
62.5°	0.8
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)