

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: P224616

Luminaire Tested: **LSR2B05FL408030D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224616
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: LSR2B05FL408030D010 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: 710.0 lumens
Efficiency: N/A
Efficacy: 97.3 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

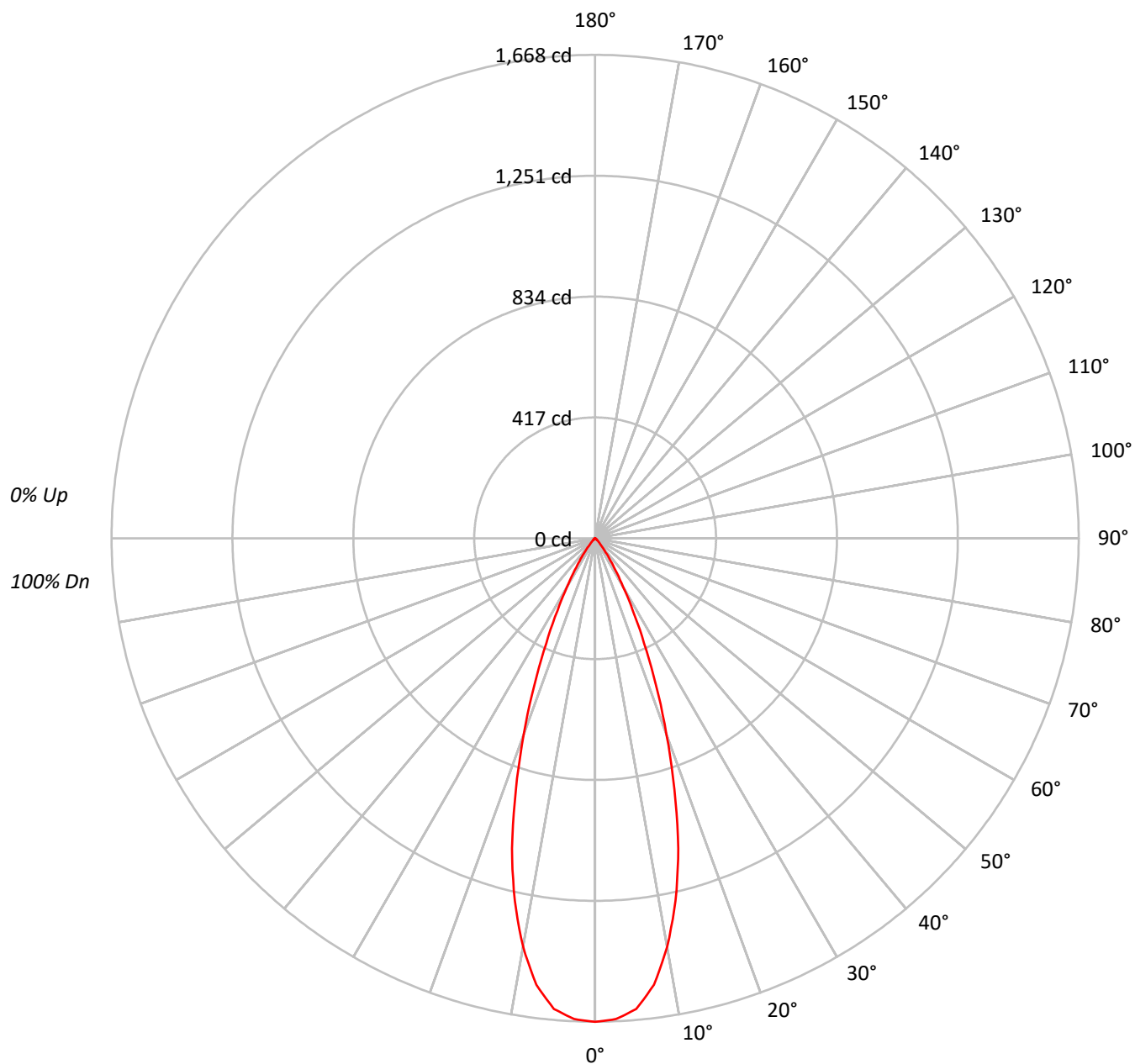
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100		108	104	101	99		101	99	96		98	96	94		95	94	92
3	106	100	96	93		104	99	95	92		97	93	91		94	92	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		89	86	84
5	98	91	86	83		96	90	86	82		88	85	82		87	83	81		85	82	80
6	94	87	82	78		93	86	82	78		85	81	78		83	80	77		82	79	77
7	91	83	78	75		89	82	78	75		81	77	74		80	77	74		79	76	73
8	87	80	75	71		86	79	75	71		78	74	71		77	73	71		76	73	70
9	84	76	72	68		83	76	71	68		75	71	68		74	71	68		74	70	68
10	81	74	69	66		81	73	69	66		72	68	65		72	68	65		71	68	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	646287
5°	633863
10°	563079
15°	444359
20°	296375
25°	170571
30°	86412
35°	40524
40°	16585
45°	7505
50°	3857
55°	2431
60°	1394
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	21.0
10°-20°	299.4	42.2
20°-30°	187.6	26.4
30°-40°	58.1	8.2
40°-50°	12.0	1.7
50°-60°	3.3	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°	636.2	89.6
0°-40°	694.3	97.8
0°-60°	709.6	99.9
0°-90°	710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	710.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1668	
5°	1630	149
15°	1108	299
25°	399	188
35°	86	58
45°	14	12
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1668.5
2.5°	1660.3
5°	1630.2
7.5°	1553.7
10°	1431.6
12.5°	1281.2
15°	1108.1
17.5°	908.5
20°	719.0
22.5°	546.8
25°	399.1
27.5°	280.7
30°	193.2
32.5°	129.4
35°	85.7
37.5°	53.8
40°	32.8
42.5°	21.0
45°	13.7
47.5°	9.1
50°	6.4
52.5°	4.6
55°	3.6
57.5°	2.7
60°	1.8
62.5°	0.9
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)