

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: P224686

Luminaire Tested: **LSR2WM2B20FL409727D010 2LBDLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224686
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: LSR2WM2B20FL409727D010 2LBDLC*MW
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1199.2 lumens
Efficiency: N/A
Efficacy: 57.4 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

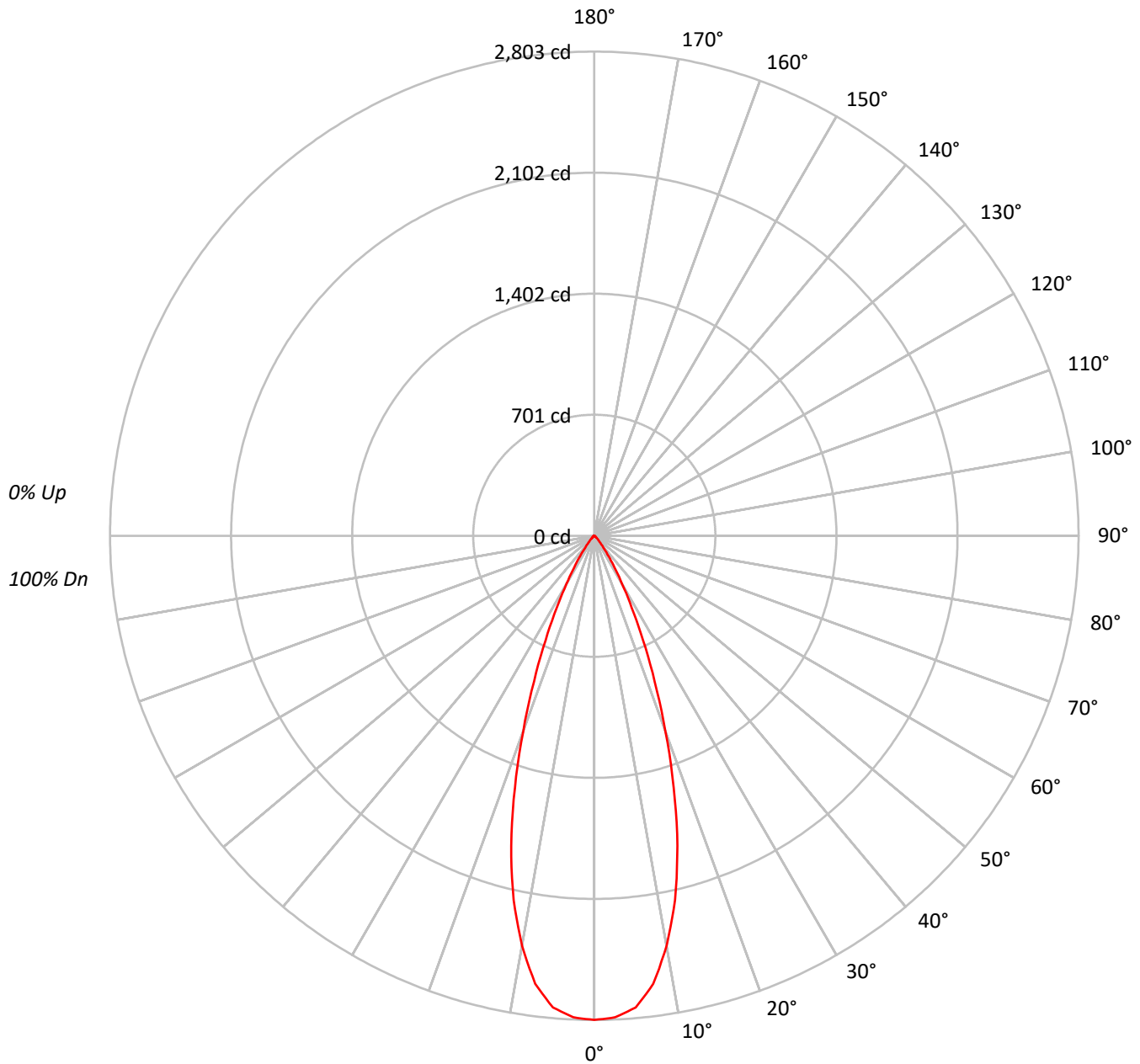
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	82	78		93	86	81	78		84	80	77		83	79	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°	1085653
5°	1065888
10°	947511
15°	745197
20°	495883
25°	284684
30°	143797
35°	67667
40°	27204
45°	13476
50°	7412
55°	5200
60°	4803
65°	2841
70°	3511
75°	2245
80°	3346
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	20.9
10°-20°	503.4	42.0
20°-30°	313.2	26.1
30°-40°	96.3	8.0
40°-50°	21.1	1.8
50°-60°	7.6	0.6
60°-70°	3.8	0.3
70°-80°	2.2	0.2
80°-90°	0.6	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°	1067.6	89.0
0°-40°	1163.9	97.1
0°-60°	1192.6	99.4
0°-90°	1199.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2803	
5°	2741	251
15°	1858	503
25°	666	313
35°	143	96
45°	25	21
55°	8	8
65°	3	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2802.8
2.5°	2790.5
5°	2741.3
7.5°	2616.7
10°	2409.0
12.5°	2159.8
15°	1858.3
17.5°	1529.1
20°	1203.0
22.5°	912.2
25°	666.1
27.5°	469.2
30°	321.5
32.5°	216.9
35°	143.1
37.5°	86.1
40°	53.8
42.5°	36.9
45°	24.6
47.5°	16.9
50°	12.3
52.5°	10.8
55°	7.7
57.5°	6.2
60°	6.2
62.5°	4.6
65°	3.1
67.5°	3.1
70°	3.1
72.5°	3.1
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)