

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: P225476

Luminaire Tested: **LSR2WM2B20FL409050D010 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20FL409050D010 2LBDLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1494.8 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

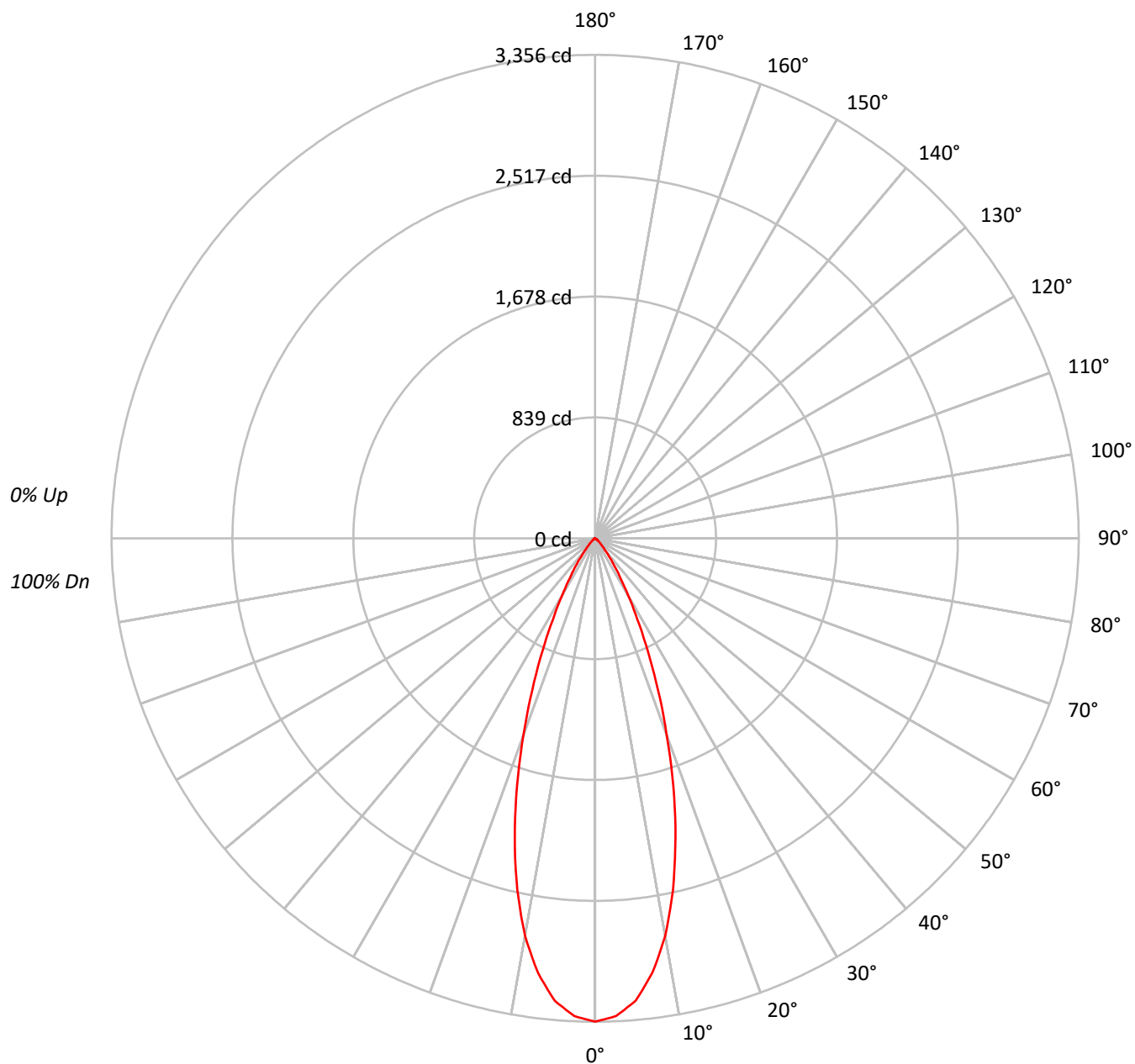
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	105	102	99		107	104	101	98		101	98	96			98	96	94			90
3	105	100	95	92		103	98	94	91		96	92	90			93	91	88			86
4	101	94	90	86		99	93	89	86		91	87	85			89	86	84			81
5	97	90	85	81		95	89	84	81		87	83	80			85	82	79			77
6	93	85	80	77		92	85	80	76		83	79	76			82	78	75			74
7	89	81	76	73		88	81	76	73		80	75	72			79	75	72			70
8	86	78	73	69		85	77	73	69		76	72	69			75	72	69			67
9	83	75	70	66		82	74	69	66		73	69	66			72	69	66			64
10	80	72	67	63		79	71	66	63		70	66	63			70	66	63			62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1299817
5°	1253263
10°	1102244
15°	863936
20°	598398
25°	368666
30°	205117
35°	109420
40°	54256
45°	27663
50°	15186
55°	9927
60°	4881
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.0	19.7
10°-20°	588.4	39.4
20°-30°	402.0	26.9
30°-40°	153.2	10.3
40°-50°	42.6	2.8
50°-60°	13.3	0.9
60°-70°	1.3	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°	1284.4	85.9
0°-40°	1437.7	96.2
0°-60°	1493.5	99.9
0°-90°	1494.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1494.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3356	
5°	3223	294
15°	2154	588
25°	863	402
35°	231	153
45°	50	43
55°	15	13
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3355.7
2.5°	3319.9
5°	3223.2
7.5°	3042.2
10°	2802.4
12.5°	2497.3
15°	2154.4
17.5°	1803.0
20°	1451.7
22.5°	1140.3
25°	862.6
27.5°	633.3
30°	458.6
32.5°	326.1
35°	231.4
37.5°	162.0
40°	107.3
42.5°	71.5
45°	50.5
47.5°	35.8
50°	25.2
52.5°	18.9
55°	14.7
57.5°	10.5
60°	6.3
62.5°	2.1
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)