

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: P224539

Luminaire Tested: **LSR2WM2B20FL408030D010 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20FL408030D010 2LBDL*WMH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1785.9 lumens
Efficiency: N/A
Efficacy: 85.5 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

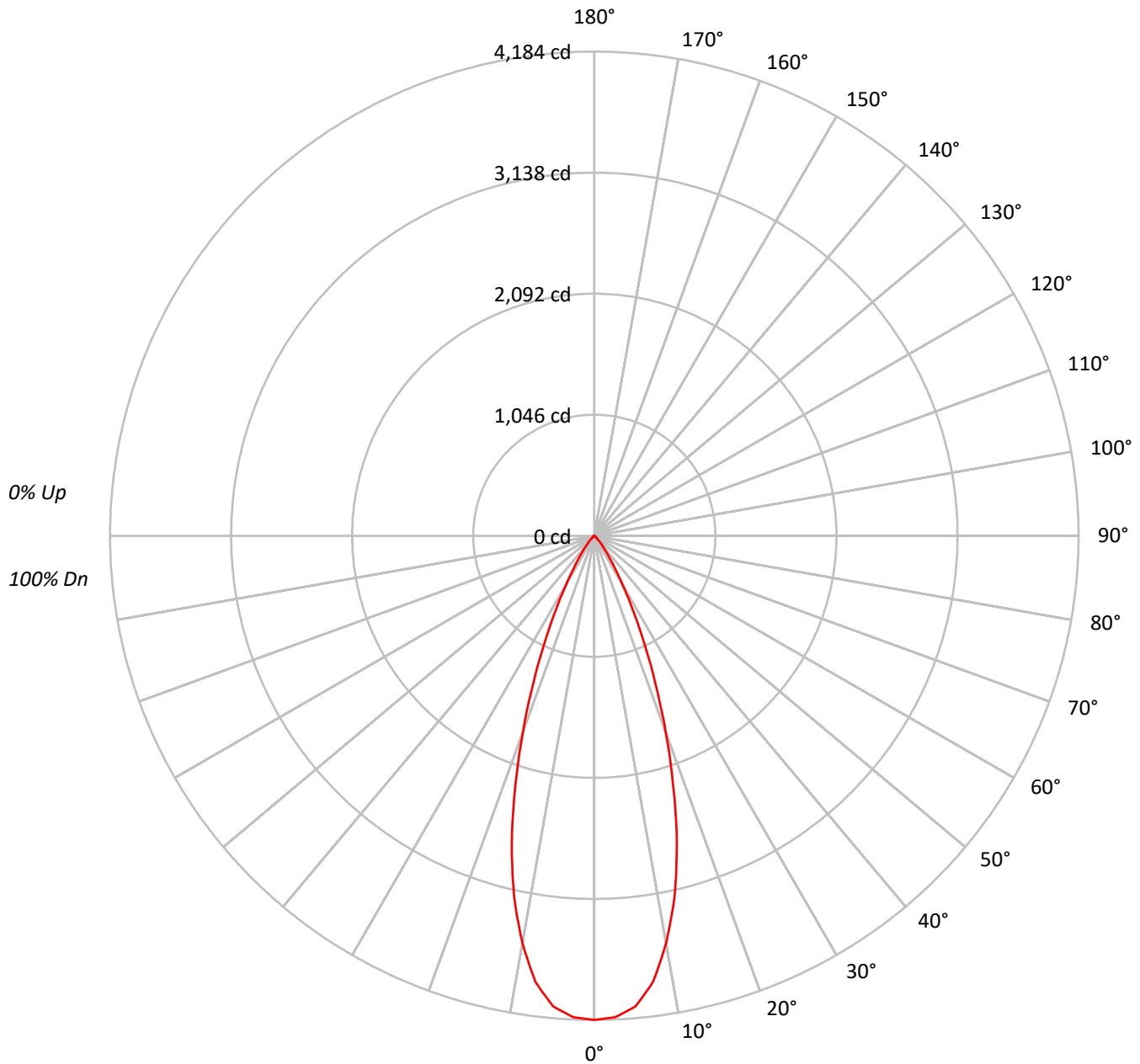
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98		101	98	96		98	96	94		95	94	92
3	106	100	96	93		104	99	95	92		96	93	91		94	91	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		87	83	81		85	82	80
6	94	87	82	78		93	86	81	78		85	81	77		83	80	77		82	79	77
7	91	83	78	75		89	82	78	74		81	77	74		80	76	74		79	76	73
8	87	79	75	71		86	79	74	71		78	74	71		77	73	71		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	68		73	70	67
10	81	73	69	65		80	73	68	65		72	68	65		72	68	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1620578
5°	1587147
10°	1406045
15°	1104903
20°	742835
25°	431535
30°	215673
35°	101713
40°	48087
45°	21090
50°	10907
55°	6145
60°	3486
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.5	20.9
10°-20°	747.3	41.8
20°-30°	472.4	26.5
30°-40°	147.8	8.3
40°-50°	34.3	1.9
50°-60°	9.0	0.5
60°-70°	1.6	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°	1593.2	89.2
0°-40°	1741.0	97.5
0°-60°	1784.3	99.9
0°-90°	1785.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1785.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4184	
5°	4082	373
15°	2755	747
25°	1010	472
35°	215	148
45°	38	34
55°	9	9
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4183.8
2.5°	4163.4
5°	4081.9
7.5°	3889.5
10°	3574.8
12.5°	3201.3
15°	2755.3
17.5°	2268.5
20°	1802.1
22.5°	1372.0
25°	1009.7
27.5°	713.2
30°	482.2
32.5°	321.5
35°	215.1
37.5°	144.9
40°	95.1
42.5°	58.9
45°	38.5
47.5°	27.2
50°	18.1
52.5°	13.6
55°	9.1
57.5°	6.8
60°	4.5
62.5°	4.5
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)