

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: P224953

Luminaire Tested: **LSR2WM2B20FL408030D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20FL408030D010 2LBD*H
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1855.7 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

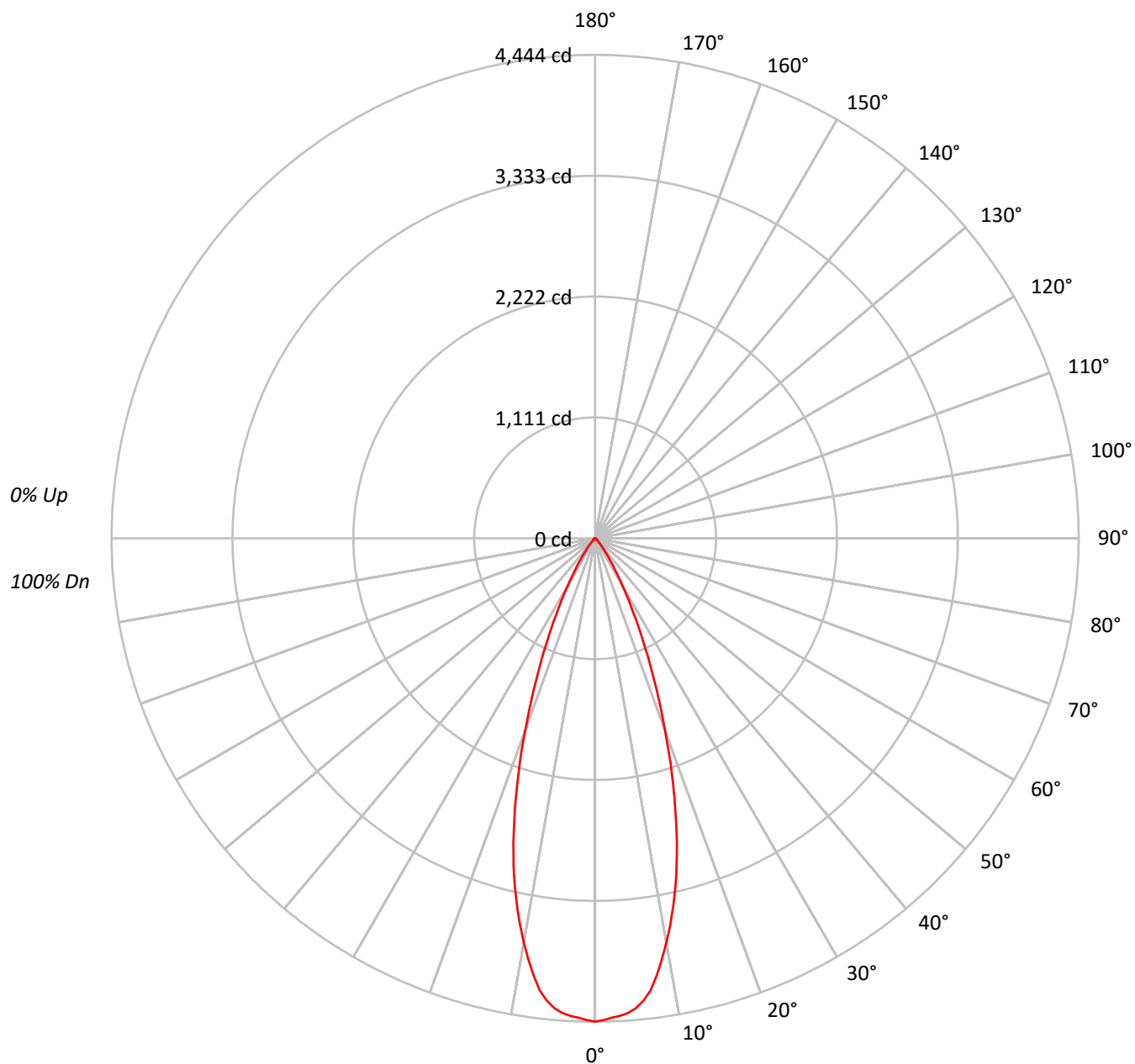
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224953

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBD*H

Luminous Intensity Polar Plot





TEST NUMBER: P224953

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBD*H

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	103	100		108	104	101	99		101	99	97		98	96	94		96	94	93
3	106	100	96	93		104	99	95	92		97	94	91		94	92	90		92	90	88
4	102	96	91	88		100	94	90	87		92	89	86		91	88	85		89	86	84
5	98	91	86	83		96	90	86	82		89	85	82		87	84	81		86	83	80
6	94	87	82	79		93	86	82	78		85	81	78		84	80	77		82	79	77
7	91	83	78	75		90	83	78	75		82	77	74		80	77	74		79	76	74
8	88	80	75	72		87	79	75	72		78	74	71		77	74	71		77	73	71
9	85	77	72	69		84	76	72	69		75	71	68		75	71	68		74	70	68
10	82	74	69	66		81	73	69	66		73	69	66		72	68	66		71	68	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1721249
5°	1685209
10°	1484159
15°	1164413
20°	773255
25°	443886
30°	222606
35°	102800
40°	41817
45°	18680
50°	9762
55°	6078
60°	2789
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224953

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBD*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.8	21.3
10°-20°	785.9	42.4
20°-30°	488.3	26.3
30°-40°	147.3	7.9
40°-50°	30.1	1.6
50°-60°	7.8	0.4
60°-70°	0.4	0.0
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°	1670.1	90.0
0°-40°	1817.4	97.9
0°-60°	1855.3	100.0
0°-90°	1855.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1855.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4444	
5°	4334	396
15°	2904	786
25°	1039	488
35°	217	147
45°	34	30
55°	9	8
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224953

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBD*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	4443.7
1°	4429.3
2°	4409.5
3°	4395.1
4°	4373.6
5°	4334.1
6°	4271.2
7°	4184.9
8°	4060.9
9°	3920.8
10°	3773.4
11°	3617.1
12°	3453.6
13°	3282.9
14°	3096.0
15°	2903.7
17.5°	2388.0
20°	1875.9
22.5°	1423.1
25°	1038.6
27.5°	733.1
30°	497.7
32.5°	327.0
35°	217.4
37.5°	134.8
40°	82.7
42.5°	53.9
45°	34.1
47.5°	21.6
50°	16.2
52.5°	10.8
55°	9.0
57.5°	5.4
60°	3.6
62.5°	0.0
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



TEST NUMBER: P224953

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBD*H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)