

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: P#

Luminaire Tested: **LSR2WM2B20FL409050D010 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20FL409050D010 2LBD*LI
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1642.5 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

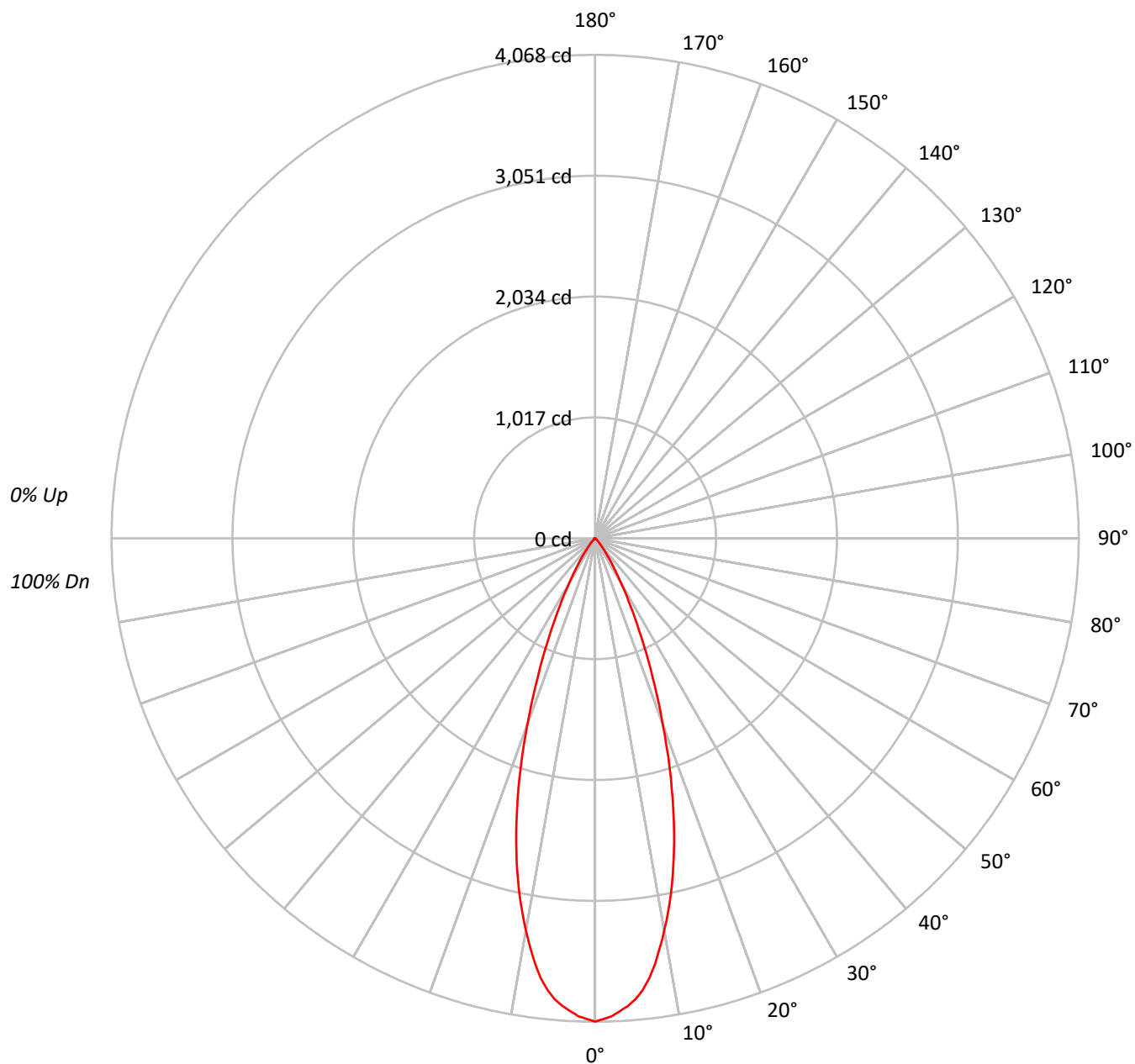
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBD*LI

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	105	103		102	101	100		99	98	97
2	110	106	103	100		108	104	101	99		101	99	97		98	96	95		96	94	93
3	106	101	96	93		104	99	95	92		97	94	91		94	92	90		92	90	88
4	102	96	91	88		100	95	90	87		93	89	86		91	88	85		89	86	84
5	98	91	86	83		97	90	86	83		89	85	82		87	84	81		86	83	81
6	94	87	82	79		93	86	82	79		85	81	78		84	80	78		83	79	77
7	91	83	79	75		90	83	78	75		82	78	75		81	77	74		80	76	74
8	88	80	75	72		87	80	75	72		79	74	71		78	74	71		77	73	71
9	85	77	72	69		84	76	72	69		76	71	69		75	71	68		74	71	68
10	82	74	69	66		81	74	69	66		73	69	66		72	68	66		72	68	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1575569
5°	1514087
10°	1318020
15°	1029192
20°	684466
25°	391958
30°	194830
35°	89560
40°	35901
45°	16434
50°	7593
55°	4254
60°	2479
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.4	21.6
10°-20°	696.0	42.4
20°-30°	430.7	26.2
30°-40°	128.9	7.8
40°-50°	25.8	1.6
50°-60°	6.3	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°	1481.1	90.2
0°-40°	1610.0	98.0
0°-60°	1642.1	100.0
0°-90°	1642.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4068	
5°	3894	354
15°	2566	696
25°	917	431
35°	189	129
45°	30	26
55°	6	6
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4067.6
1°	4045.5
2°	4025.0
3°	3984.0
4°	3946.1
5°	3894.0
6°	3823.0
7°	3733.0
8°	3617.8
9°	3486.8
10°	3351.0
11°	3210.5
12°	3060.6
13°	2904.3
14°	2737.0
15°	2566.5
17.5°	2116.7
20°	1660.5
22.5°	1256.4
25°	917.1
27.5°	644.0
30°	435.6
32.5°	287.3
35°	189.4
37.5°	118.4
40°	71.0
42.5°	45.8
45°	30.0
47.5°	18.9
50°	12.6
52.5°	9.5
55°	6.3
57.5°	4.7
60°	3.2
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: P#

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBD*LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)