

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: P225333

Luminaire Tested: **LSR2WM2B20FL409050D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225333
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: LSR2WM2B20FL409050D010 2LBDC*MW
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1424.5 lumens
Efficiency: N/A
Efficacy: 68.2 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

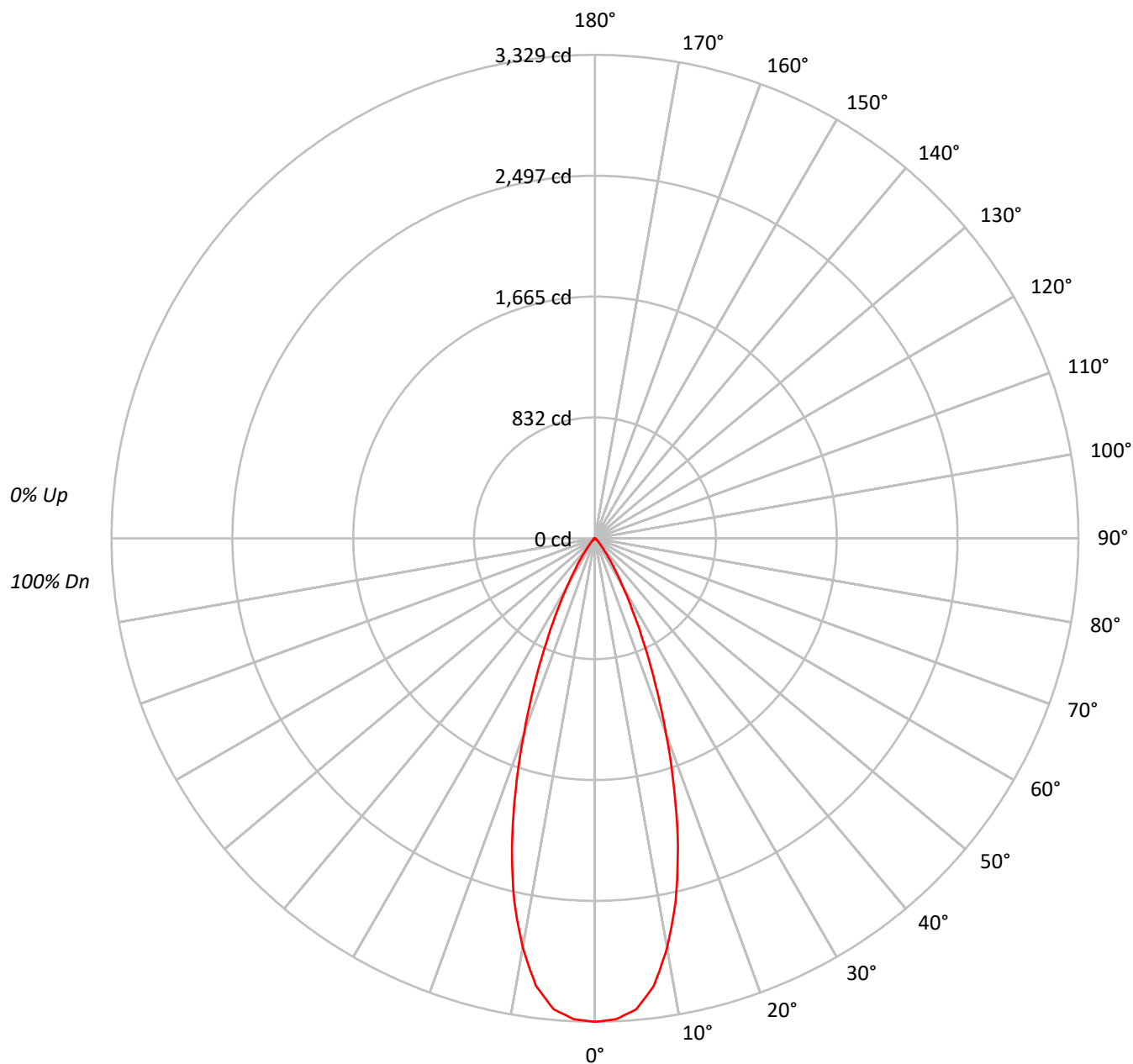
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225333

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P225333

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBDC*MW

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	106	102	99		108	104	101	98		101	98	96			98	96	94			91
3	105	100	96	93		104	99	95	92		96	93	90			94	91	89			86
4	101	95	90	87		100	94	90	86		92	88	85			90	87	85			82
5	98	91	86	82		96	90	85	82		88	84	81			86	83	80			79
6	94	86	82	78		93	86	81	78		84	80	77			83	79	77			75
7	90	83	78	74		89	82	77	74		81	77	74			80	76	73			72
8	87	79	74	71		86	79	74	71		78	74	71			77	73	70			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	67			66
10	81	73	68	65		80	73	68	65		72	68	65			71	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1289630
5°	1266133
10°	1125529
15°	885190
20°	589041
25°	338150
30°	170812
35°	80339
40°	32361
45°	15995
50°	8798
55°	6145
60°	5655
65°	3391
70°	4190
75°	2694
80°	4015
85°	0



TEST NUMBER: P225333

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.2	20.9
10°-20°	597.9	42.0
20°-30°	372.0	26.1
30°-40°	114.4	8.0
40°-50°	25.1	1.8
50°-60°	8.9	0.6
60°-70°	4.5	0.3
70°-80°	2.6	0.2
80°-90°	0.7	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°	1268.1	89.0
0°-40°	1382.5	97.1
0°-60°	1416.6	99.4
0°-90°	1424.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3329	
5°	3256	298
15°	2207	598
25°	791	372
35°	170	114
45°	29	25
55°	9	9
65°	4	5
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P225333

CATALOG NUMBER: LSR2WM2B20FL409050D010 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3329.4
2.5°	3314.7
5°	3256.3
7.5°	3108.3
10°	2861.6
12.5°	2565.5
15°	2207.4
17.5°	1816.3
20°	1429.0
22.5°	1083.6
25°	791.2
27.5°	557.3
30°	381.9
32.5°	257.7
35°	169.9
37.5°	102.3
40°	64.0
42.5°	43.9
45°	29.2
47.5°	20.1
50°	14.6
52.5°	12.8
55°	9.1
57.5°	7.3
60°	7.3
62.5°	5.5
65°	3.7
67.5°	3.7
70°	3.7
72.5°	3.7
75°	1.8
77.5°	1.8
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)