

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: P225430

Luminaire Tested: **LSR2WM2B20FL409727D010 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225430
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: LSR2WM2B20FL409727D010 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: 1182.2 lumens
Efficiency: N/A
Efficacy: 56.6 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

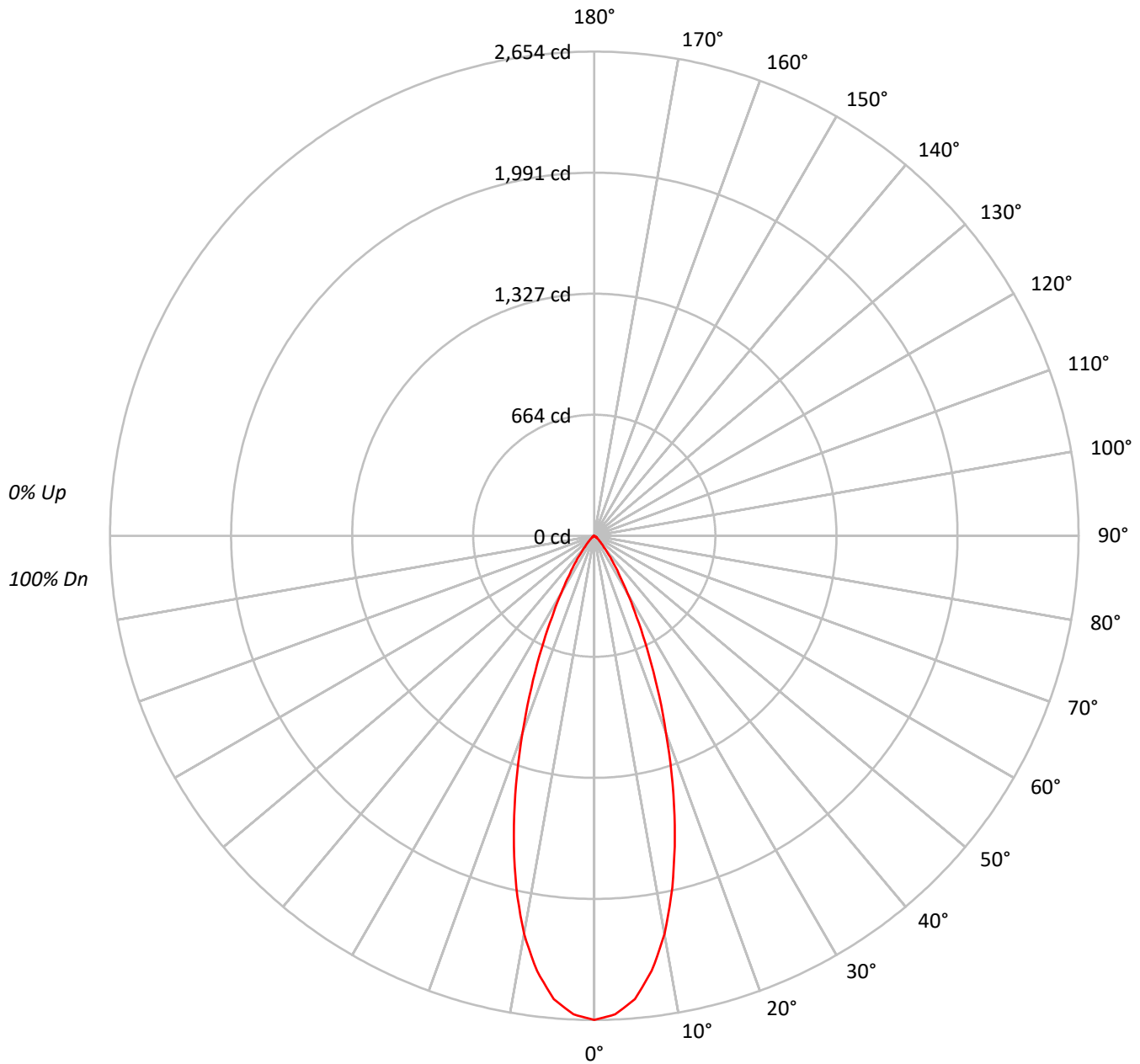
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225430

CATALOG NUMBER: LSR2WM2B20FL409727D010 2LBDLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P225430

CATALOG NUMBER: LSR2WM2B20FL409727D010 2LBDLC*MB

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90		
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86		
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	88	85	83	81		
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77		
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74		
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70		
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67		
9	83	75	70	66	82	74	69	66	73	69	66	72	69	66	72	68	65	64		
10	80	72	67	63	79	71	66	63	70	66	63	70	66	63	69	65	63	62		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1027978
5°	991155
10°	871718
15°	683281
20°	473253
25°	291565
30°	162224
35°	86534
40°	42929
45°	21857
50°	12052
55°	7834
60°	3873
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225430

CATALOG NUMBER: LSR2WM2B20FL409727D010 2LBDLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	19.7
10°-20°	465.4	39.4
20°-30°	317.9	26.9
30°-40°	121.2	10.3
40°-50°	33.7	2.8
50°-60°	10.5	0.9
60°-70°	1.0	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°	1015.8	85.9
0°-40°	1137.0	96.2
0°-60°	1181.2	99.9
0°-90°	1182.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1182.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2654	
5°	2549	232
15°	1704	465
25°	682	318
35°	183	121
45°	40	34
55°	12	11
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225430

CATALOG NUMBER: LSR2WM2B20FL409727D010 2LBDLC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2653.9
2.5°	2625.7
5°	2549.1
7.5°	2406.0
10°	2216.3
12.5°	1975.1
15°	1703.9
17.5°	1426.0
20°	1148.1
22.5°	901.8
25°	682.2
27.5°	500.8
30°	362.7
32.5°	257.9
35°	183.0
37.5°	128.1
40°	84.9
42.5°	56.6
45°	39.9
47.5°	28.3
50°	20.0
52.5°	15.0
55°	11.6
57.5°	8.3
60°	5.0
62.5°	1.7
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)