

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: P225496

Luminaire Tested: **LSR2WM2B20FL409040D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20FL409040D010 2LBDL*H
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1489.9 lumens
Efficiency: N/A
Efficacy: 71.3 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

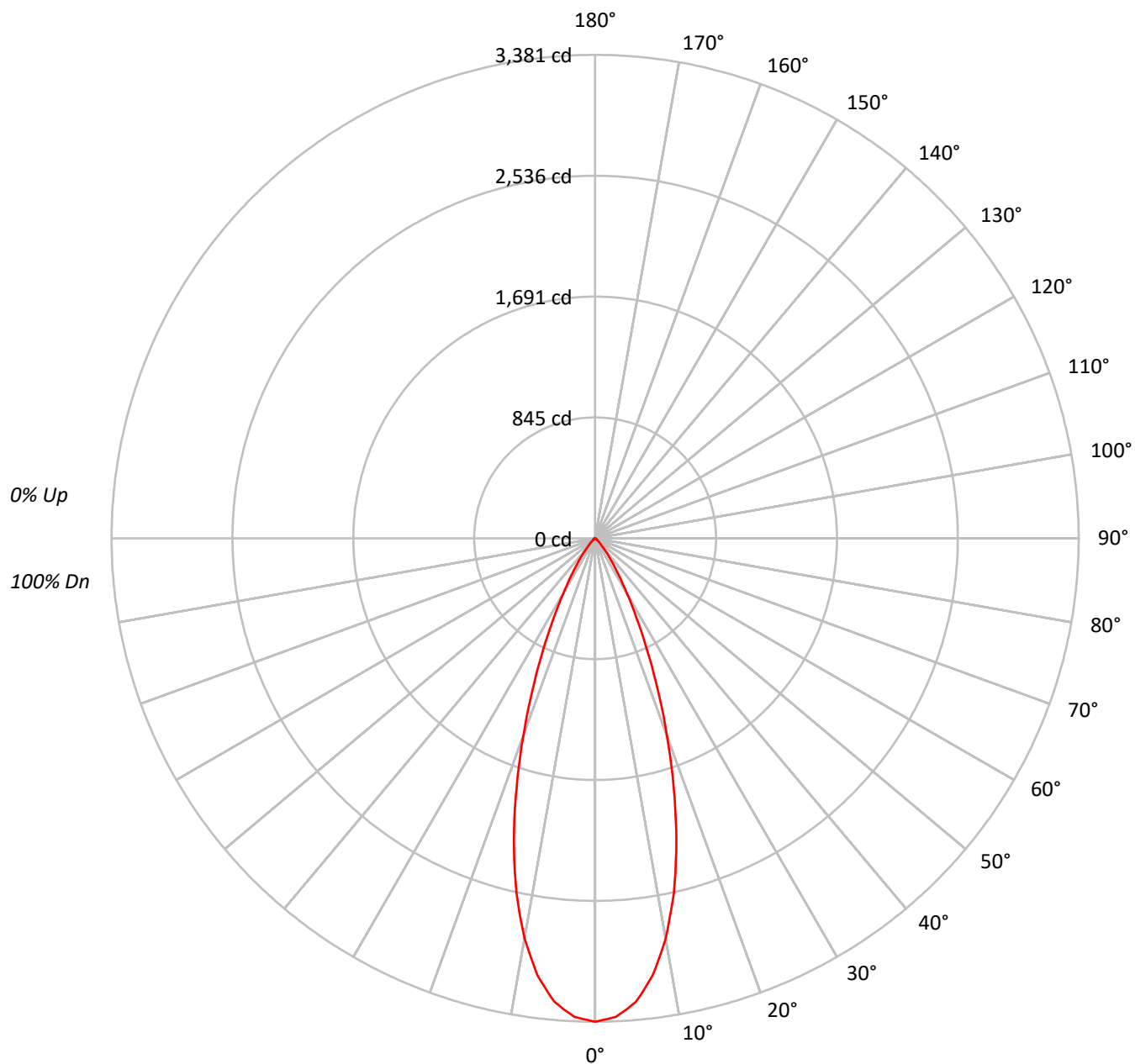
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225496

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P225496

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBDL*H

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	105	102	99	108	104	101	98		101	98	96			98	96	94			90
3	105	100	96	92	103	98	95	91		96	93	90			94	91	89			86
4	101	95	90	86	99	94	89	86		91	88	85			90	86	84			82
5	97	90	85	81	96	89	84	81		87	83	80			86	82	80			78
6	93	86	81	77	92	85	80	77		84	79	76			82	79	76			74
7	90	82	77	73	88	81	76	73		80	76	73			79	75	72			71
8	86	78	73	70	85	78	73	70		77	72	69			76	72	69			68
9	83	75	70	67	82	75	70	67		74	69	66			73	69	66			65
10	80	72	67	64	79	72	67	64		71	67	64			70	66	64			62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1309694
5°	1266094
10°	1117112
15°	880097
20°	604787
25°	365204
30°	197961
35°	101760
40°	49755
45°	23555
50°	12353
55°	8306
60°	4726
65°	1833
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225496

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.5	20.0
10°-20°	597.5	40.1
20°-30°	399.2	26.8
30°-40°	144.6	9.7
40°-50°	37.3	2.5
50°-60°	11.1	0.7
60°-70°	2.7	0.2
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°	1294.1	86.9
0°-40°	1438.7	96.6
0°-60°	1487.1	99.8
0°-90°	1489.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1489.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3381	
5°	3256	297
15°	2195	597
25°	854	399
35°	215	145
45°	43	37
55°	12	11
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225496

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	3381.2
2.5°	3350.4
5°	3256.2
7.5°	3084.0
10°	2840.2
12.5°	2541.0
15°	2194.7
17.5°	1825.8
20°	1467.2
22.5°	1137.3
25°	854.5
27.5°	623.0
30°	442.6
32.5°	311.5
35°	215.2
37.5°	149.6
40°	98.4
42.5°	63.5
45°	43.0
47.5°	30.7
50°	20.5
52.5°	16.4
55°	12.3
57.5°	8.2
60°	6.1
62.5°	4.1
65°	2.0
67.5°	2.0
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)