

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: P225112

Luminaire Tested: **LSSQWM2B20FL409024D010 2LBD\*WH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14829)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQWM2B20FL409024D010 2LBD\*WH  
Description: 2000 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
SPUN ROUND TRIM WITH WHEAT HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1356.7 lumens  
Efficiency: N/A  
Efficacy: 64.9 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

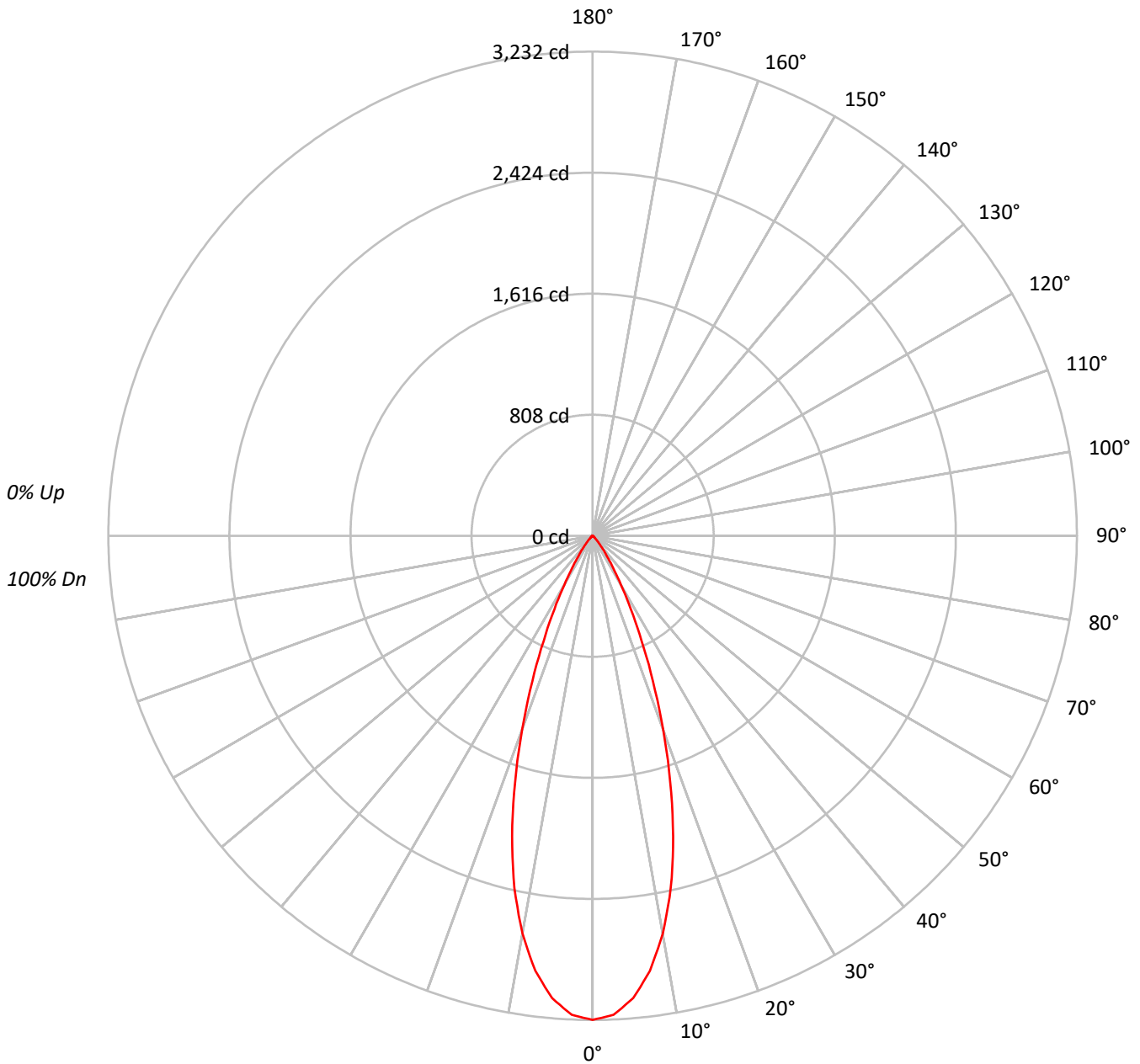
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P225112

CATALOG NUMBER: LSSQWM2B20FL409024D010 2LBD\*WH

### Luminous Intensity Polar Plot





TEST NUMBER: P225112

CATALOG NUMBER: LSSQWM2B20FL409024D010 2LBD\*WH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87	87	87	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79	79
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75	75	75	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72	72	72	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66	66	66	66
10	81	73	69	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64	64	64	64

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1251786
5°	1204426
10°	1060159
15°	832697
20°	566164
25°	330585
30°	168397
35°	79677
40°	34788
45°	15064
50°	7231
55°	4660
60°	2634
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225112

CATALOG NUMBER: LSSQWM2B20FL409024D010 2LBD\*WH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.9	20.9
10°-20°	564.7	41.6
20°-30°	362.5	26.7
30°-40°	115.0	8.5
40°-50°	24.6	1.8
50°-60°	6.3	0.5
60°-70°	0.8	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°	1210.0	89.2
0°-40°	1325.0	97.7
0°-60°	1355.9	99.9
0°-90°	1356.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3232	
5°	3098	283
15°	2076	565
25°	774	362
35°	168	115
45°	28	25
55°	7	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225112

CATALOG NUMBER: LSSQWM2B20FL409024D010 2LBD\*WH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3231.7
2.5°	3200.7
5°	3097.6
7.5°	2929.1
10°	2695.4
12.5°	2410.0
15°	2076.5
17.5°	1720.7
20°	1373.5
22.5°	1048.6
25°	773.5
27.5°	551.8
30°	376.5
32.5°	252.7
35°	168.5
37.5°	111.7
40°	68.8
42.5°	43.0
45°	27.5
47.5°	18.9
50°	12.0
52.5°	8.6
55°	6.9
57.5°	5.2
60°	3.4
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)