

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: P225498

Luminaire Tested: **LSSQWM2B20FL409727D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225498
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: LSSQWM2B20FL409727D010 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: 1211.3 lumens
Efficiency: N/A
Efficacy: 58.0 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

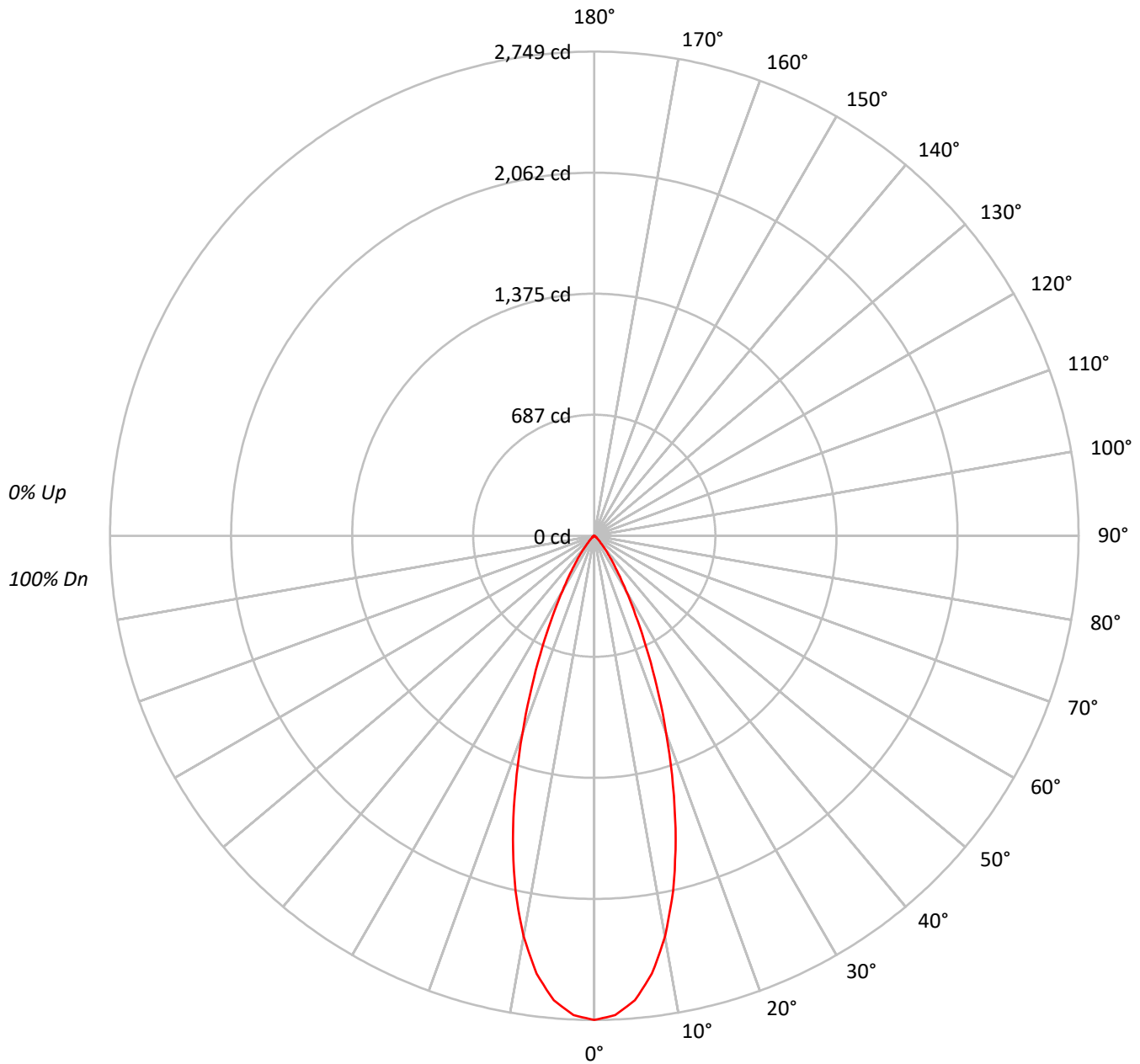
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	1064775
5°	1029338
10°	908219
15°	715522
20°	491719
25°	296907
30°	160972
35°	82704
40°	40452
45°	19173
50°	10063
55°	6753
60°	3873
65°	1558
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.9	20.0
10°-20°	485.8	40.1
20°-30°	324.5	26.8
30°-40°	117.5	9.7
40°-50°	30.3	2.5
50°-60°	9.1	0.7
60°-70°	2.3	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°	1052.1	86.9
0°-40°	1169.7	96.6
0°-60°	1209.1	99.8
0°-90°	1211.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2749	
5°	2647	242
15°	1784	486
25°	695	325
35°	175	118
45°	35	30
55°	10	9
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2748.9
2.5°	2723.9
5°	2647.3
7.5°	2507.4
10°	2309.1
12.5°	2065.9
15°	1784.3
17.5°	1484.4
20°	1192.9
22.5°	924.6
25°	694.7
27.5°	506.5
30°	359.9
32.5°	253.2
35°	174.9
37.5°	121.6
40°	80.0
42.5°	51.6
45°	35.0
47.5°	25.0
50°	16.7
52.5°	13.3
55°	10.0
57.5°	6.7
60°	5.0
62.5°	3.3
65°	1.7
67.5°	1.7
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



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— 0°-180°







(END OF REPORT)