

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: P224468

Luminaire Tested: **LSSQWM2B20FL408040D010 2LBDL*WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B20FL408040D010 2LBDL*WH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1879.4 lumens
Efficiency: N/A
Efficacy: 89.9 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

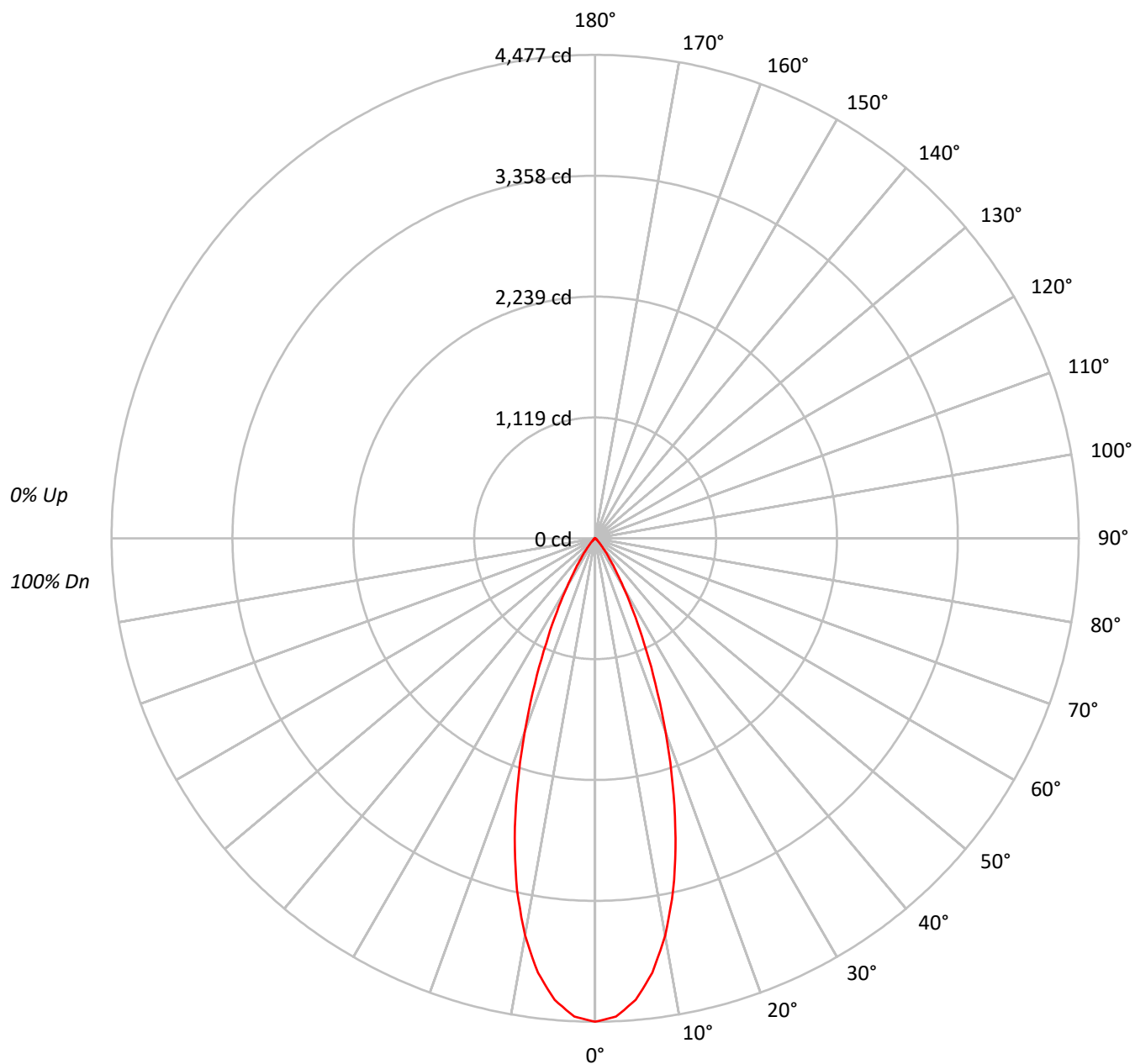
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224468

CATALOG NUMBER: LSSQWM2B20FL408040D010 2LBDL*WH

Luminous Intensity Polar Plot





TEST NUMBER: P224468

CATALOG NUMBER: LSSQWM2B20FL408040D010 2LBDL*WH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1734071
5°	1668451
10°	1468584
15°	1153546
20°	784261
25°	457990
30°	233251
35°	110366
40°	48188
45°	20871
50°	10063
55°	6416
60°	3719
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224468

CATALOG NUMBER: LSSQWM2B20FL408040D010 2LBDL*WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.9	20.9
10°-20°	782.2	41.6
20°-30°	502.1	26.7
30°-40°	159.3	8.5
40°-50°	34.0	1.8
50°-60°	8.7	0.5
60°-70°	1.2	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°	1676.2	89.2
0°-40°	1835.5	97.7
0°-60°	1878.3	99.9
0°-90°	1879.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4477	
5°	4291	392
15°	2877	782
25°	1072	502
35°	233	159
45°	38	34
55°	10	9
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224468

CATALOG NUMBER: LSSQWM2B20FL408040D010 2LBDL*WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4476.8
2.5°	4433.9
5°	4291.0
7.5°	4057.7
10°	3733.8
12.5°	3338.5
15°	2876.6
17.5°	2383.6
20°	1902.6
22.5°	1452.6
25°	1071.6
27.5°	764.4
30°	521.5
32.5°	350.0
35°	233.4
37.5°	154.8
40°	95.3
42.5°	59.5
45°	38.1
47.5°	26.2
50°	16.7
52.5°	11.9
55°	9.5
57.5°	7.1
60°	4.8
62.5°	2.4
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)