

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: P222346

Luminaire Tested: **LSSQWM2B20NFL259727D010 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B20NFL259727D010 2LBDL*GPH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1208.9 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

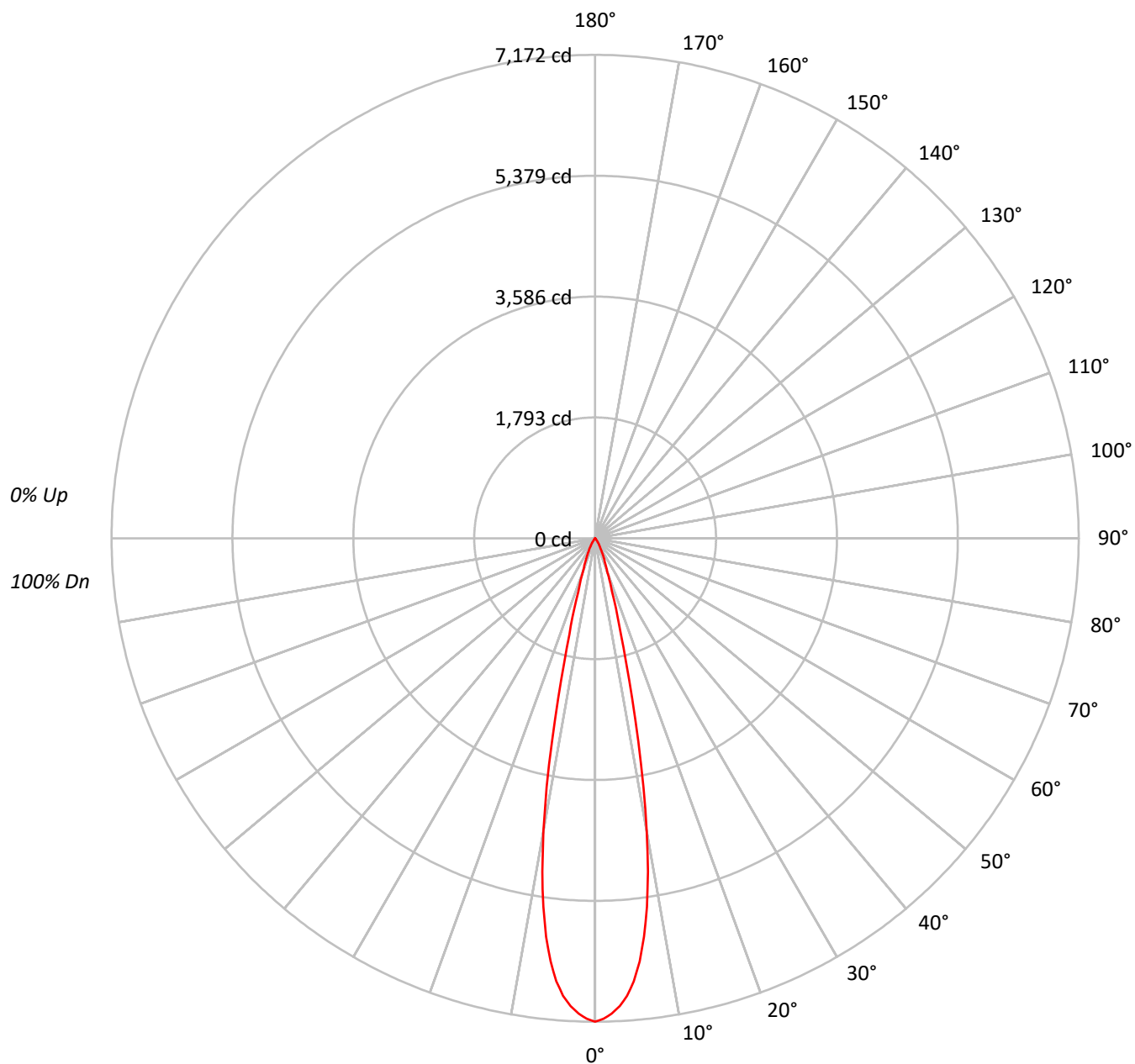
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P222346

CATALOG NUMBER: LSSQWM2B20NFL259727D010 2LBDL*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P222346

CATALOG NUMBER: LSSQWM2B20NFL259727D010 2LBDL*GPH

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	115	113	112	110	113	111	110	108		107	106	105			104	103	102			97
2	112	109	106	104	110	107	104	102		104	102	100			101	99	98			95
3	109	105	101	99	107	103	100	98		101	98	96			99	97	95			92
4	106	101	97	95	104	100	97	94		98	95	93			96	94	92			90
5	103	98	94	91	102	97	94	91		95	92	90			94	91	89			88
6	101	95	91	89	99	94	91	88		93	90	88			92	89	87			86
7	98	92	89	86	97	92	88	86		91	88	85			90	87	85			84
8	96	90	86	84	95	90	86	84		89	86	83			88	85	83			82
9	94	88	84	82	93	88	84	82		87	84	82			86	83	81			80
10	92	86	82	80	91	86	82	80		85	82	80			84	82	80			79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2778007
5°	2565005
10°	1736160
15°	590688
20°	216943
25°	115010
30°	59129
35°	27568
40°	9051
45°	4547
50°	2169
55°	810
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P222346

CATALOG NUMBER: LSSQWM2B20NFL259727D010 2LBDL*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.1	46.4
10°-20°	471.8	39.0
20°-30°	129.5	10.7
30°-40°	37.8	3.1
40°-50°	7.0	0.6
50°-60°	1.6	0.1
60°-70°	0.1	0.0
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°	1162.4	96.2
0°-40°	1200.2	99.3
0°-60°	1208.8	100.0
0°-90°	1208.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1208.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7172	
5°	6597	561
15°	1473	472
25°	269	129
35°	58	38
45°	8	7
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P222346

CATALOG NUMBER: LSSQWM2B20NFL259727D010 2LBDL*GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	7171.9
1°	7130.3
2°	7056.4
3°	6950.5
4°	6805.2
5°	6596.8
6°	6312.2
7°	5956.2
8°	5521.6
9°	5008.3
10°	4414.1
11°	3762.8
12°	3085.3
13°	2438.7
14°	1887.4
15°	1473.0
17.5°	831.2
20°	526.3
22.5°	375.1
25°	269.1
27.5°	190.5
30°	132.2
32.5°	92.9
35°	58.3
37.5°	23.8
40°	17.9
42.5°	13.1
45°	8.3
47.5°	4.8
50°	3.6
52.5°	2.4
55°	1.2
57.5°	1.2
60°	1.2
62.5°	0.0
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



TEST NUMBER: P222346

CATALOG NUMBER: LSSQWM2B20NFL259727D010 2LBDL*GPH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)