

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: P224522

Luminaire Tested: **LSSQ2B20FL409035D010 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224522
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: LSSQ2B20FL409035D010 2LBDL*WMH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1496.0 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

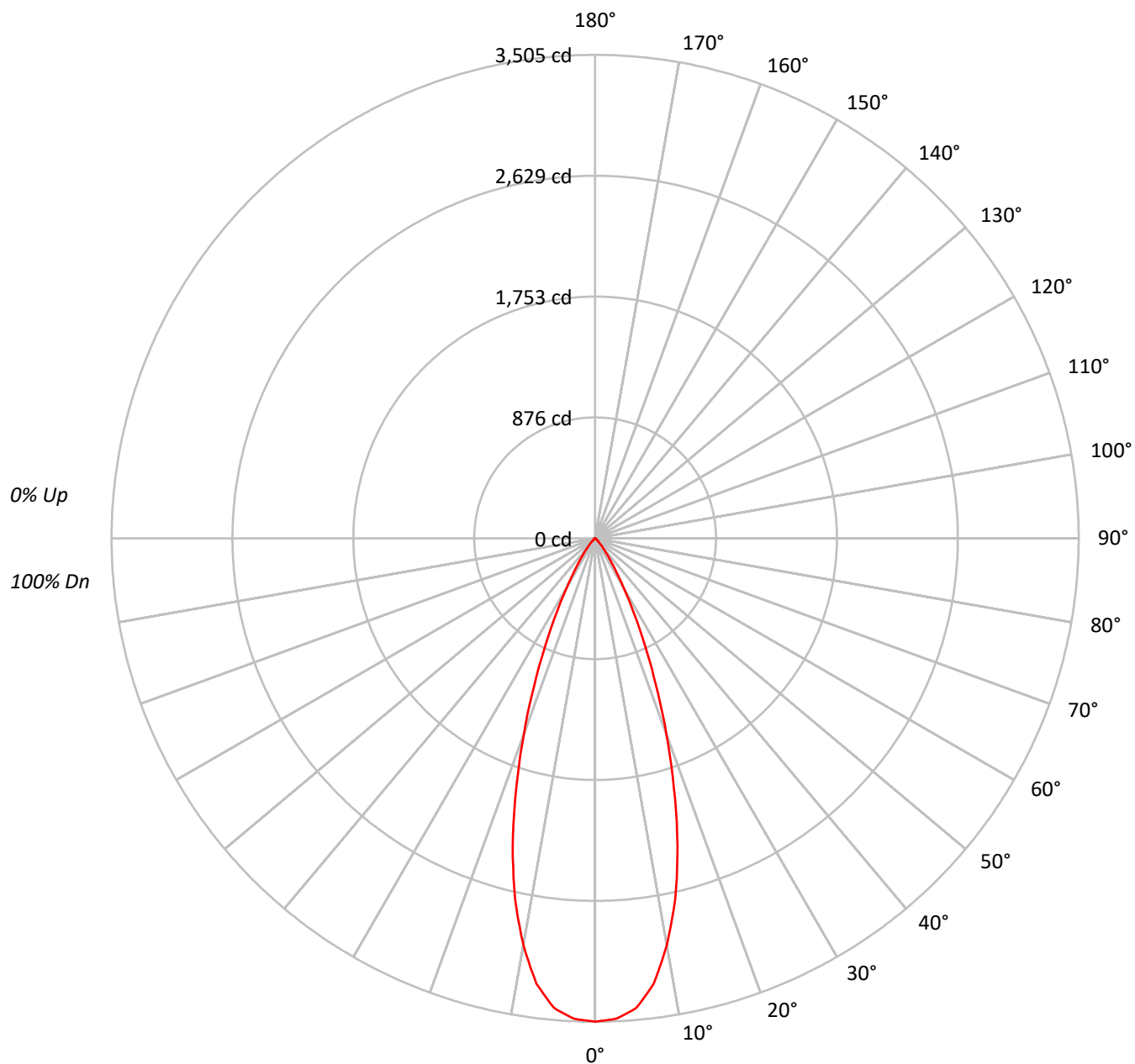
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224522

CATALOG NUMBER: LSSQ2B20FL409035D010 2LBDL*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P224522

CATALOG NUMBER: LSSQ2B20FL409035D010 2LBDL*WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	77		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	71		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	69	65	80	73	68	65	72	68	65		72	68	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1357493
5°	1329472
10°	1177762
15°	925491
20°	622223
25°	361486
30°	180652
35°	85210
40°	40249
45°	17639
50°	9160
55°	5132
60°	2944
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224522

CATALOG NUMBER: LSSQ2B20FL409035D010 2LBDL*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.8	20.9
10°-20°	626.0	41.8
20°-30°	395.7	26.5
30°-40°	123.8	8.3
40°-50°	28.7	1.9
50°-60°	7.6	0.5
60°-70°	1.4	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°	1334.5	89.2
0°-40°	1458.3	97.5
0°-60°	1494.6	99.9
0°-90°	1496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1496.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3505	
5°	3419	313
15°	2308	626
25°	846	396
35°	180	124
45°	32	29
55°	8	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224522

CATALOG NUMBER: LSSQ2B20FL409035D010 2LBDL*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3504.6
2.5°	3487.5
5°	3419.2
7.5°	3258.0
10°	2994.4
12.5°	2681.5
15°	2307.9
17.5°	1900.2
20°	1509.5
22.5°	1149.2
25°	845.8
27.5°	597.4
30°	403.9
32.5°	269.3
35°	180.2
37.5°	121.4
40°	79.6
42.5°	49.3
45°	32.2
47.5°	22.8
50°	15.2
52.5°	11.4
55°	7.6
57.5°	5.7
60°	3.8
62.5°	3.8
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)