

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: P#

Luminaire Tested: **LSSQ2B20WFL559024D010 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29153)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B20WFL559024D010 2LBD*LI
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1269.5 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.8
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

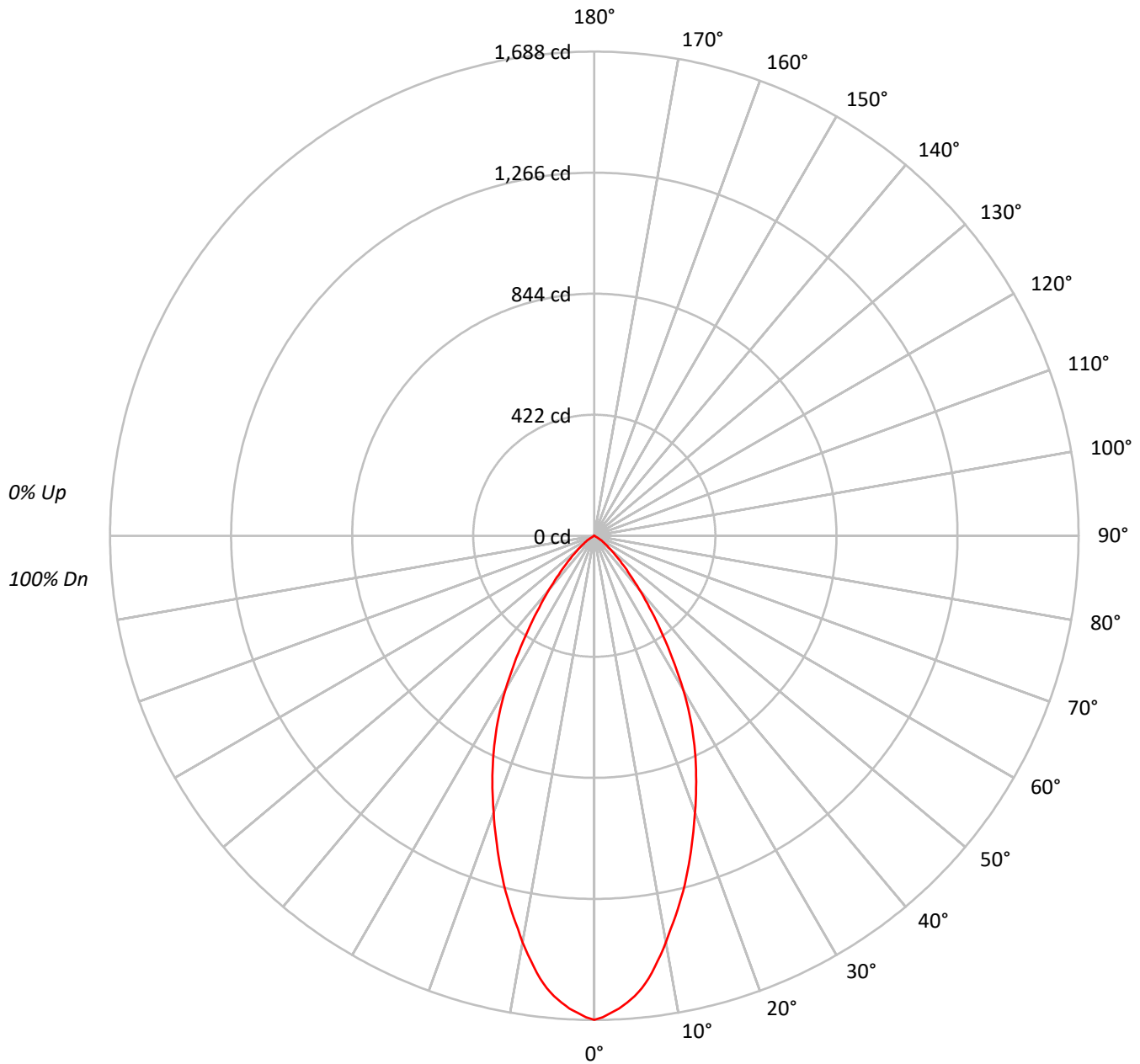
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20WFL559024D010 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20WFL559024D010 2LBD*LI

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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	82	73	67	63	72	66	63		70	66	62		69
8	79	69	63	59	78	69	63	59	68	62	59		66	62	58		66
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	653724
5°	626631
10°	565911
15°	495809
20°	423046
25°	354861
30°	276815
35°	190800
40°	122568
45°	74171
50°	43508
55°	24379
60°	6972
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20WFL559024D010 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	11.7
10°-20°	343.6	27.1
20°-30°	377.7	29.7
30°-40°	255.6	20.1
40°-50°	109.6	8.6
50°-60°	33.5	2.6
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°	869.6	68.5
0°-40°	1125.1	88.6
0°-60°	1268.1	99.9
0°-90°	1269.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1688	
5°	1612	148
15°	1236	344
25°	830	378
35°	404	256
45°	135	110
55°	36	33
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20WFL559024D010 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1687.7
1°	1678.7
2°	1664.5
3°	1650.3
4°	1632.2
5°	1611.6
6°	1585.8
7°	1554.9
8°	1517.5
9°	1478.8
10°	1438.8
11°	1396.3
12°	1357.6
13°	1317.7
14°	1277.7
15°	1236.4
17.5°	1129.4
20°	1026.3
22.5°	928.3
25°	830.3
27.5°	729.7
30°	618.9
32.5°	506.7
35°	403.5
37.5°	315.9
40°	242.4
42.5°	183.1
45°	135.4
47.5°	99.3
50°	72.2
52.5°	51.6
55°	36.1
57.5°	23.2
60°	9.0
62.5°	1.3
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: P#

CATALOG NUMBER: LSSQ2B20WFL559024D010 2LBD*LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)