

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: **LSSQ2B20WFL558027D010 2LBD*B**

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 (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B20WFL558027D010 2LBD*B
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1717.6 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

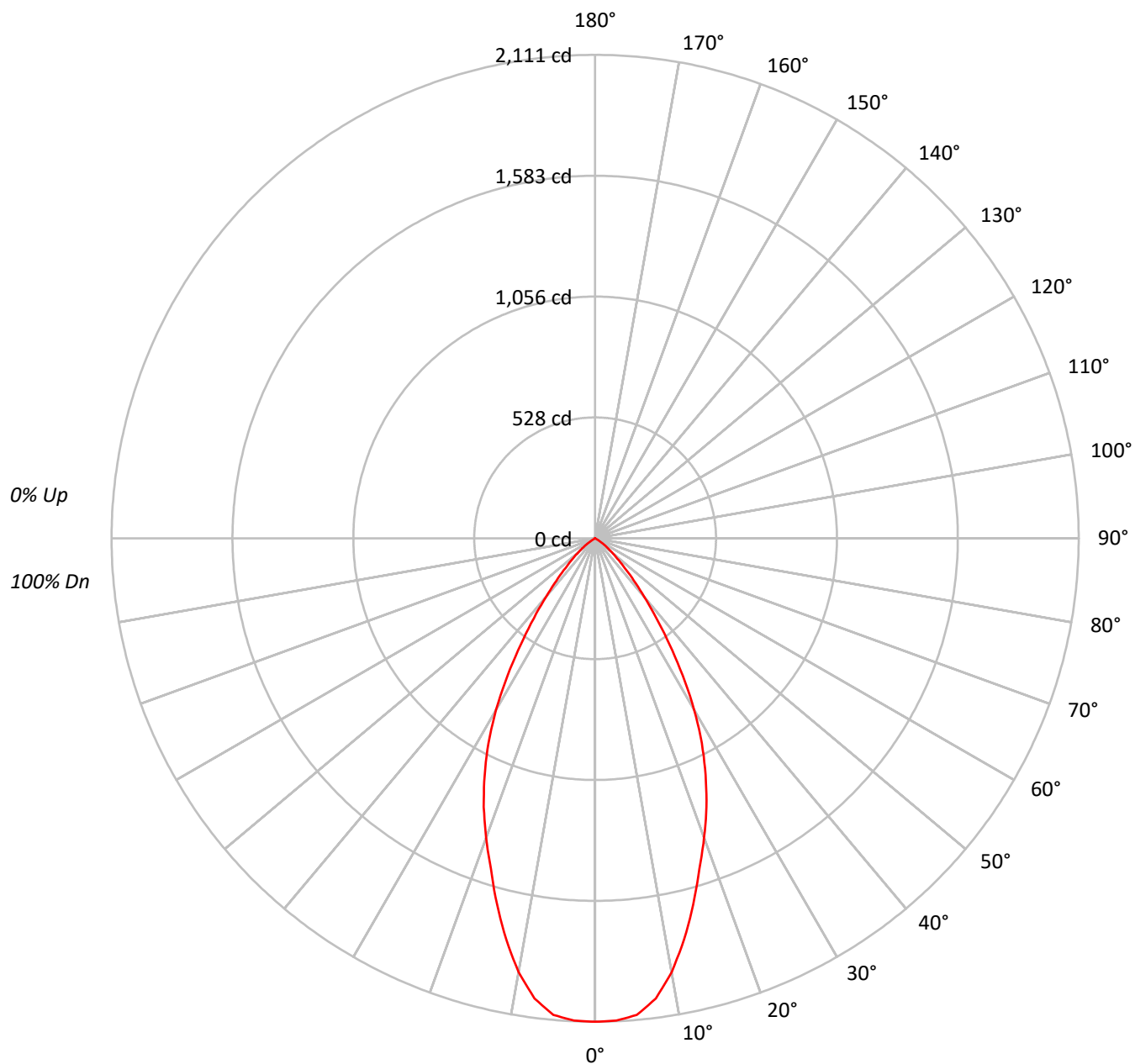
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20WFL558027D010 2LBD*B

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20WFL558027D010 2LBD*B

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	82	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	81	73	67	63	71	66	63		70	66	62		69
8	79	69	63	59	78	69	63	59	67	62	59		66	62	58		65
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	71	62	56	52	70	61	56	52	60	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	817687
5°	812373
10°	756593
15°	663551
20°	573171
25°	487523
30°	386708
35°	266883
40°	167571
45°	99972
50°	57910
55°	29174
60°	1859
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20WFL558027D010 2LBD*B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.0	11.3
10°-20°	461.2	26.9
20°-30°	519.1	30.2
30°-40°	356.6	20.8
40°-50°	148.2	8.6
50°-60°	38.2	2.2
60°-70°	0.3	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°	1174.3	68.4
0°-40°	1531.0	89.1
0°-60°	1717.3	100.0
0°-90°	1717.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1717.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2111	
5°	2089	194
15°	1655	461
25°	1141	519
35°	564	357
45°	182	148
55°	43	38
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20WFL558027D010 2LBD*B

CANDELA DISTRIBUTION (FULL):

	0°
0°	2111.0
2.5°	2108.6
5°	2089.3
7.5°	2026.9
10°	1923.6
12.5°	1794.0
15°	1654.7
17.5°	1513.0
20°	1390.5
22.5°	1270.4
25°	1140.7
27.5°	1008.6
30°	864.6
32.5°	710.9
35°	564.4
37.5°	439.5
40°	331.4
42.5°	249.8
45°	182.5
47.5°	132.1
50°	96.1
52.5°	67.2
55°	43.2
57.5°	14.4
60°	2.4
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)