

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: **LSR2WM2B20WFL558035D010 2LBDL*H**

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 (P14807)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL558035D010 2LBDL*H
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1642.5 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

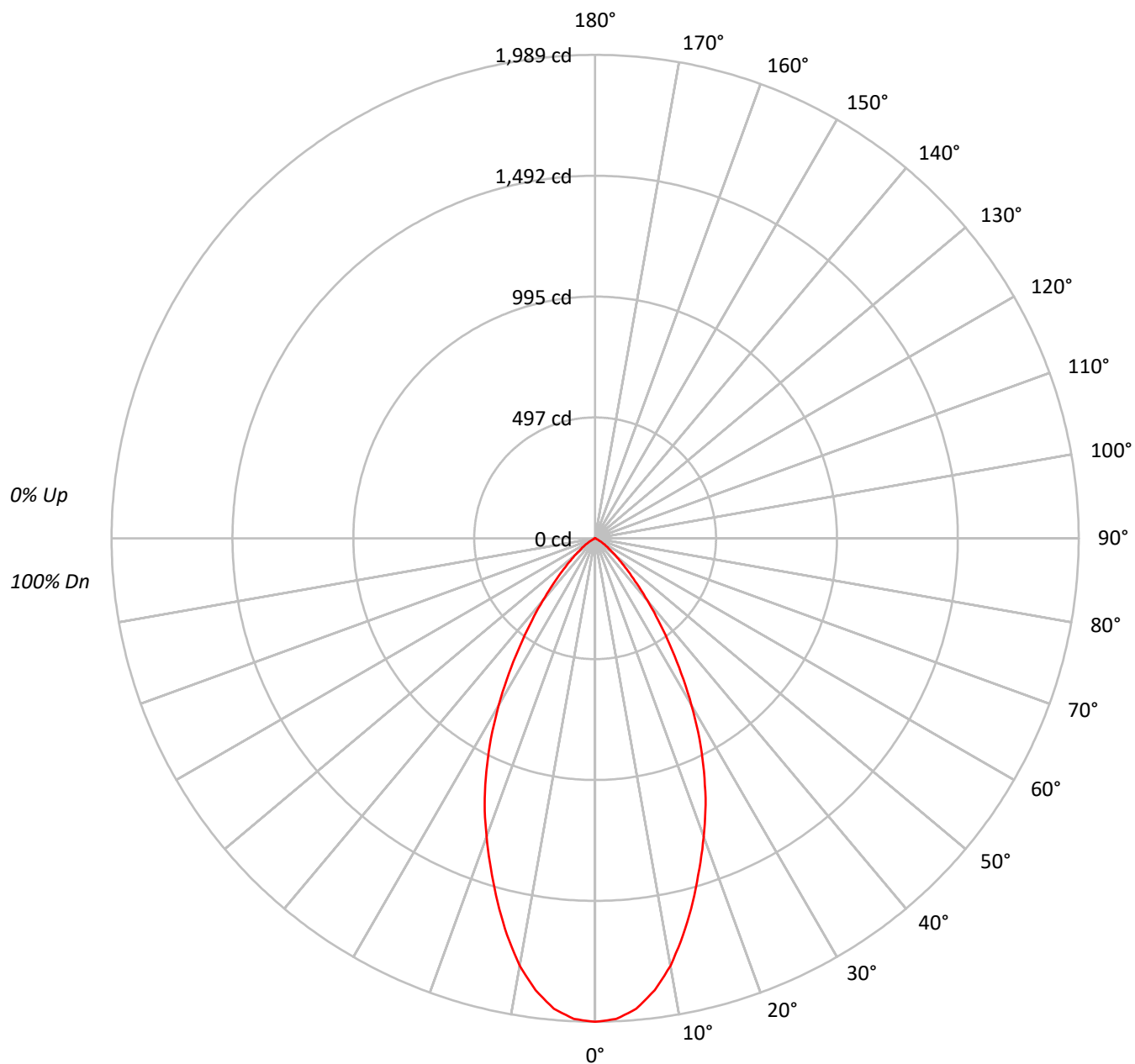
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL558035D010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL558035D010 2LBDL*H

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	108	106	104	104	102	101		101	99	98		97
2	108	102	98	95	105	101	97	94	98	94	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86
4	96	89	83	79	95	87	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	66	62	81	72	66	62	71	65	62		69	65	61		68
8	78	68	62	58	77	68	62	58	67	61	57		66	61	57		65
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	770547
5°	755566
10°	702354
15°	621846
20°	538340
25°	452519
30°	354371
35°	253218
40°	169087
45°	104847
50°	62791
55°	37615
60°	16888
65°	2200
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL558035D010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	11.0
10°-20°	431.9	26.3
20°-30°	481.7	29.3
30°-40°	337.4	20.5
40°-50°	154.1	9.4
50°-60°	51.5	3.1
60°-70°	5.6	0.3
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°	1093.9	66.6
0°-40°	1431.4	87.1
0°-60°	1636.9	99.7
0°-90°	1642.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1989	
5°	1943	180
15°	1551	432
25°	1059	482
35°	536	337
45°	191	154
55°	56	51
65°	2	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL558035D010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1989.3
2.5°	1979.6
5°	1943.2
7.5°	1875.4
10°	1785.7
12.5°	1671.9
15°	1550.7
17.5°	1424.7
20°	1306.0
22.5°	1187.3
25°	1058.8
27.5°	928.0
30°	792.3
32.5°	659.1
35°	535.5
37.5°	426.4
40°	334.4
42.5°	254.4
45°	191.4
47.5°	143.0
50°	104.2
52.5°	75.1
55°	55.7
57.5°	38.8
60°	21.8
62.5°	7.3
65°	2.4
67.5°	2.4
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)