

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 2LBDLC*MB**

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: LSR2WM2B20WFL558035D010 2LBDLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1567.4 lumens
Efficiency: N/A
Efficacy: 75.0 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

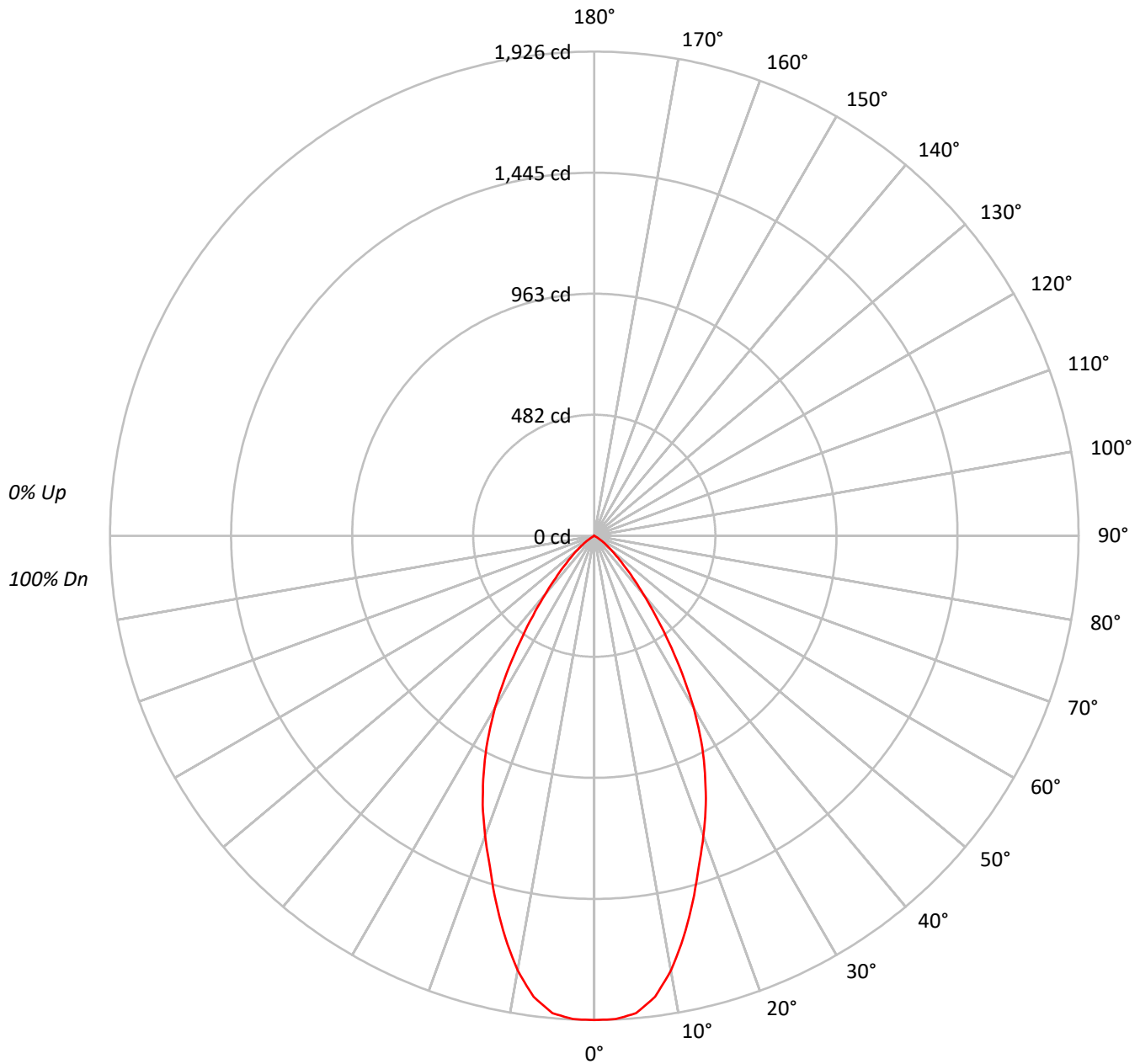
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL558035D010 2LBDLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL558035D010 2LBDLC*MB

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	109	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	63		70	66	62		69	65	62
8	79	69	63	59		78	69	63	59		67	62	59		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	59	55		63	58	55		62	58	55
10	71	62	56	52		70	61	56	52		60	55	52		60	55	52		59	55	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	746183
5°	741335
10°	690436
15°	605525
20°	523047
25°	444912
30°	352895
35°	243524
40°	152907
45°	91262
50°	52848
55°	26607
60°	1704
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL558035D010 2LBDLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	11.3
10°-20°	420.9	26.9
20°-30°	473.7	30.2
30°-40°	325.5	20.8
40°-50°	135.2	8.6
50°-60°	34.9	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°	1071.6	68.4
0°-40°	1397.1	89.1
0°-60°	1567.1	100.0
0°-90°	1567.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1567.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1926	
5°	1907	177
15°	1510	421
25°	1041	474
35°	515	325
45°	167	135
55°	39	35
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL558035D010 2LBDLC*MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1926.4
2.5°	1924.2
5°	1906.6
7.5°	1849.7
10°	1755.4
12.5°	1637.1
15°	1510.0
17.5°	1380.7
20°	1268.9
22.5°	1159.3
25°	1041.0
27.5°	920.4
30°	789.0
32.5°	648.7
35°	515.0
37.5°	401.1
40°	302.4
42.5°	227.9
45°	166.6
47.5°	120.5
50°	87.7
52.5°	61.4
55°	39.4
57.5°	13.1
60°	2.2
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)