

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: **LSR2B20WFL558050D010 2LBDLC*MMS**

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 (P14811)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20WFL558050D010 2LBDLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1652.2 lumens
Efficiency: N/A
Efficacy: 79.1 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

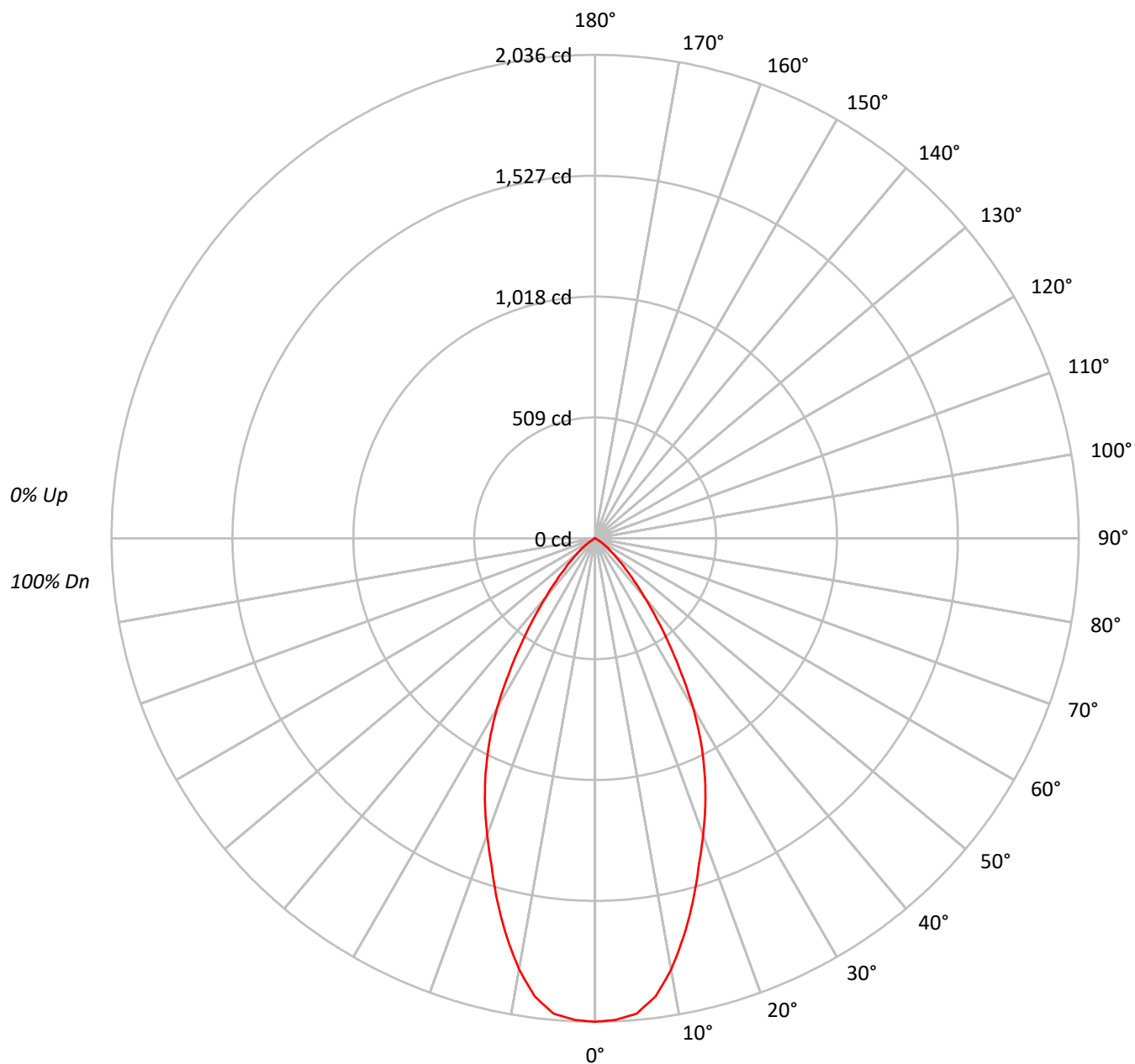
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBDLC*MMS

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	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		105	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	84		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	81	78		84	80	77		82	79	76
5	92	83	77	73		90	82	77	73		81	76	72		79	75	71		77	74	71
6	87	78	72	68		86	77	72	67		76	71	67		74	70	66		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	65	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	62	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	788791
5°	781228
10°	725127
15°	636563
20°	547779
25°	466153
30°	369176
35°	256291
40°	162817
45°	98109
50°	56042
55°	30659
60°	3486
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	11.3
10°-20°	441.8	26.7
20°-30°	496.0	30.0
30°-40°	341.8	20.7
40°-50°	144.4	8.7
50°-60°	40.7	2.5
60°-70°	1.1	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°	1124.2	68.0
0°-40°	1466.0	88.7
0°-60°	1651.1	99.9
0°-90°	1652.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2036	
5°	2009	186
15°	1587	442
25°	1091	496
35°	542	342
45°	179	144
55°	45	41
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2036.4
2.5°	2029.6
5°	2009.2
7.5°	1945.7
10°	1843.6
12.5°	1718.9
15°	1587.4
17.5°	1449.0
20°	1328.9
22.5°	1213.2
25°	1090.7
27.5°	963.8
30°	825.4
32.5°	675.8
35°	542.0
37.5°	424.1
40°	322.0
42.5°	242.6
45°	179.1
47.5°	129.3
50°	93.0
52.5°	68.0
55°	45.4
57.5°	22.7
60°	4.5
62.5°	2.3
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)