

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: **LSR2WM2B20WFL559730D010 2LBDL*WH**

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 (P14804)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL559730D010 2LBDL*WH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1194.4 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.81
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

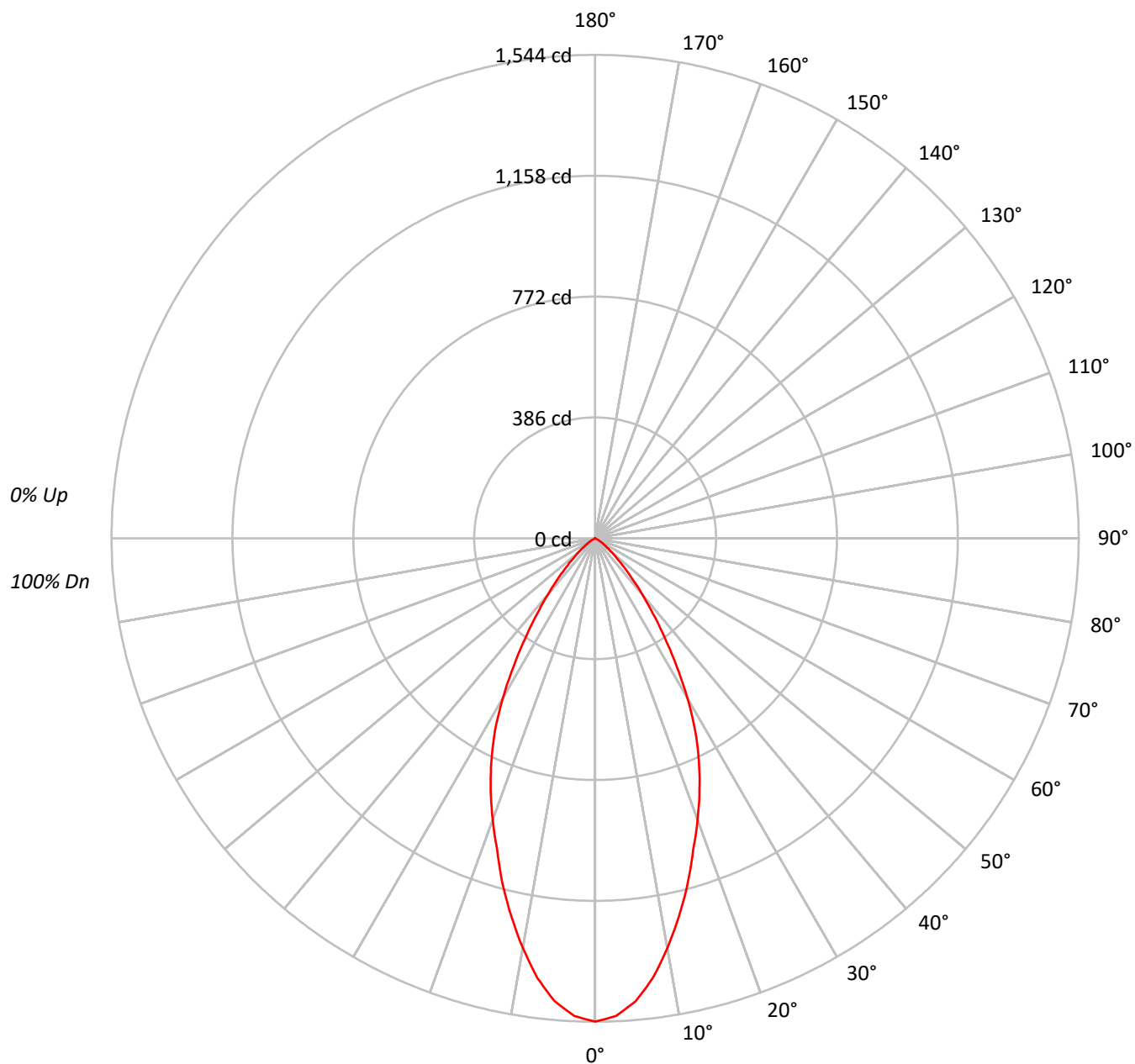
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559730D010 2LBDL*WH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559730D010 2LBDL*WH

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	90	86		100	94	90	86		92	88	84		89	86	83		87	84	82
4	97	89	83	79		95	88	83	79		86	81	78		84	80	77		82	79	76
5	92	83	77	73		90	82	77	73		80	76	72		79	75	71		77	74	71
6	87	78	72	68		86	77	71	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	61	58		65	61	58
9	75	65	59	55		74	64	59	55		64	58	55		63	58	54		62	57	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	597907
5°	577212
10°	522606
15°	457833
20°	394192
25°	335116
30°	263396
35°	183045
40°	118624
45°	70994
50°	41519
55°	23231
60°	8909
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559730D010 2LBDL*WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	11.4
10°-20°	317.9	26.6
20°-30°	356.1	29.8
30°-40°	244.7	20.5
40°-50°	105.1	8.8
50°-60°	32.1	2.7
60°-70°	1.8	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°	810.6	67.9
0°-40°	1055.4	88.4
0°-60°	1192.6	99.9
0°-90°	1194.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1194.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1544	
5°	1484	137
15°	1142	318
25°	784	356
35°	387	245
45°	130	105
55°	34	32
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559730D010 2LBDL*WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1543.6
2.5°	1527.2
5°	1484.5
7.5°	1415.6
10°	1328.7
12.5°	1236.8
15°	1141.7
17.5°	1041.6
20°	956.3
22.5°	871.0
25°	784.1
27.5°	692.2
30°	588.9
32.5°	483.9
35°	387.1
37.5°	303.5
40°	234.6
42.5°	175.5
45°	129.6
47.5°	95.1
50°	68.9
52.5°	47.6
55°	34.4
57.5°	23.0
60°	11.5
62.5°	1.6
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)