

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: **LSR2WM2B20WFL558050D010 2LBDL*WMH**

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 (P14805)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL558050D010 2LBDL*WMH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1686.1 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

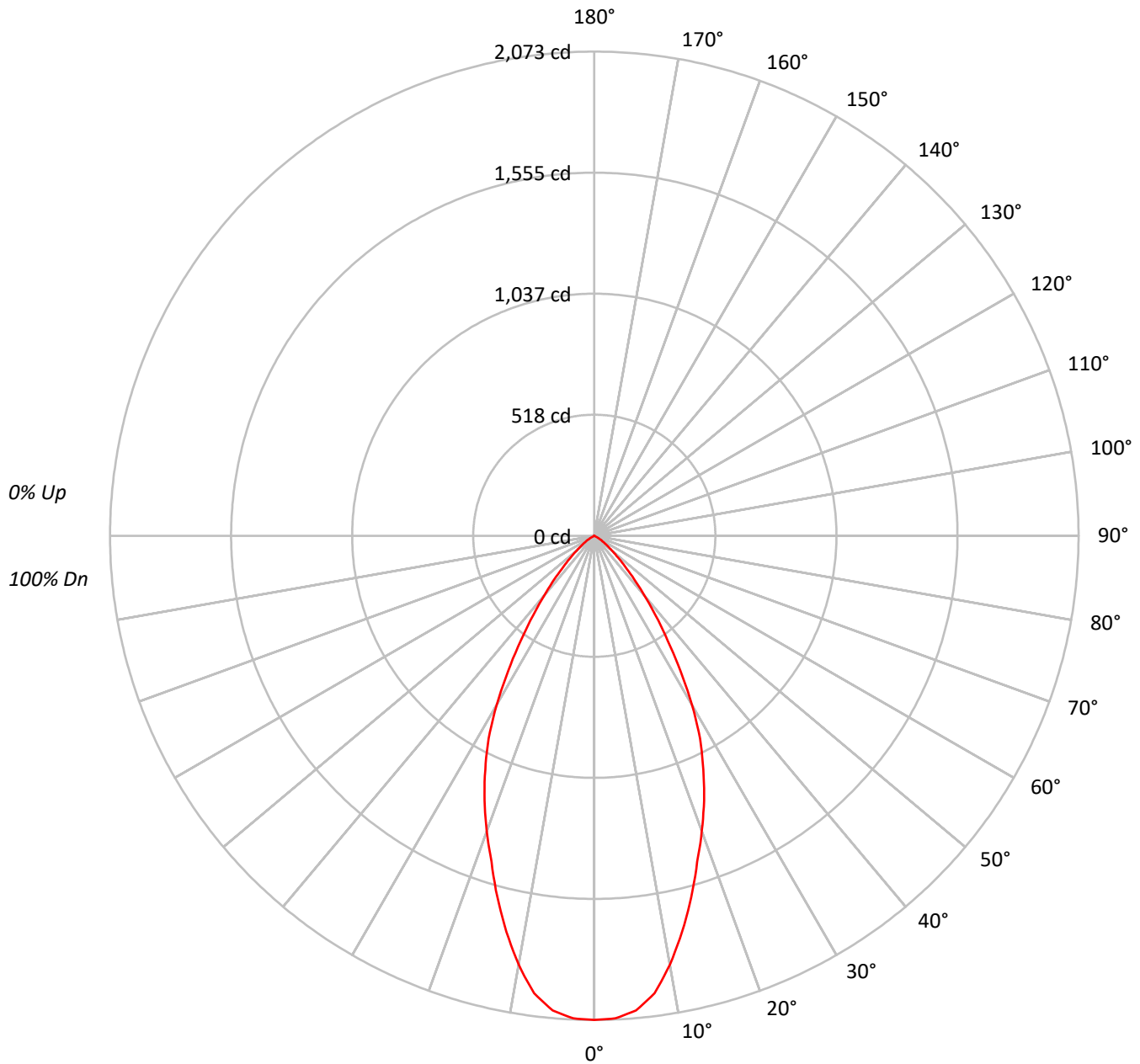
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	95	90	86		100	94	89	86		91	87	84		89	86	83		87	84	82
4	97	89	83	79		95	88	83	79		86	81	78		84	80	77		82	78	76
5	92	83	77	73		90	82	77	72		80	75	72		79	74	71		77	73	70
6	87	78	72	67		85	77	71	67		75	70	67		74	70	66		73	69	66
7	82	73	67	63		81	72	67	62		71	66	62		70	65	62		69	65	61
8	78	69	63	58		77	68	62	58		67	62	58		66	61	58		65	61	58
9	75	65	59	55		73	64	59	55		63	58	54		62	58	54		62	57	54
10	71	61	55	51		70	61	55	51		60	55	51		59	54	51		58	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	802968
5°	793437
10°	733387
15°	642739
20°	554704
25°	472222
30°	374006
35°	259601
40°	168632
45°	101505
50°	58633
55°	32820
60°	14332
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	11.2
10°-20°	446.5	26.5
20°-30°	502.7	29.8
30°-40°	347.2	20.6
40°-50°	150.5	8.9
50°-60°	46.6	2.8
60°-70°	3.3	0.2
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°	1138.5	67.5
0°-40°	1485.7	88.1
0°-60°	1682.7	99.8
0°-90°	1686.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1686.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2073	
5°	2041	189
15°	1603	447
25°	1105	503
35°	549	347
45°	185	150
55°	49	47
65°	0	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2073.0
2.5°	2068.4
5°	2040.6
7.5°	1975.8
10°	1864.6
12.5°	1737.2
15°	1602.8
17.5°	1463.9
20°	1345.7
22.5°	1227.6
25°	1104.9
27.5°	979.8
30°	836.2
32.5°	685.6
35°	549.0
37.5°	430.8
40°	333.5
42.5°	252.5
45°	185.3
47.5°	136.7
50°	97.3
52.5°	69.5
55°	48.6
57.5°	34.7
60°	18.5
62.5°	4.6
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



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— 0°-180°







(END OF REPORT)