

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: **LSSQWM2B20WFL558035D010 2LBDC*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: LSSQWM2B20WFL558035D010 2LBDC*MB
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1732.2 lumens
Efficiency: N/A
Efficacy: 82.9 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

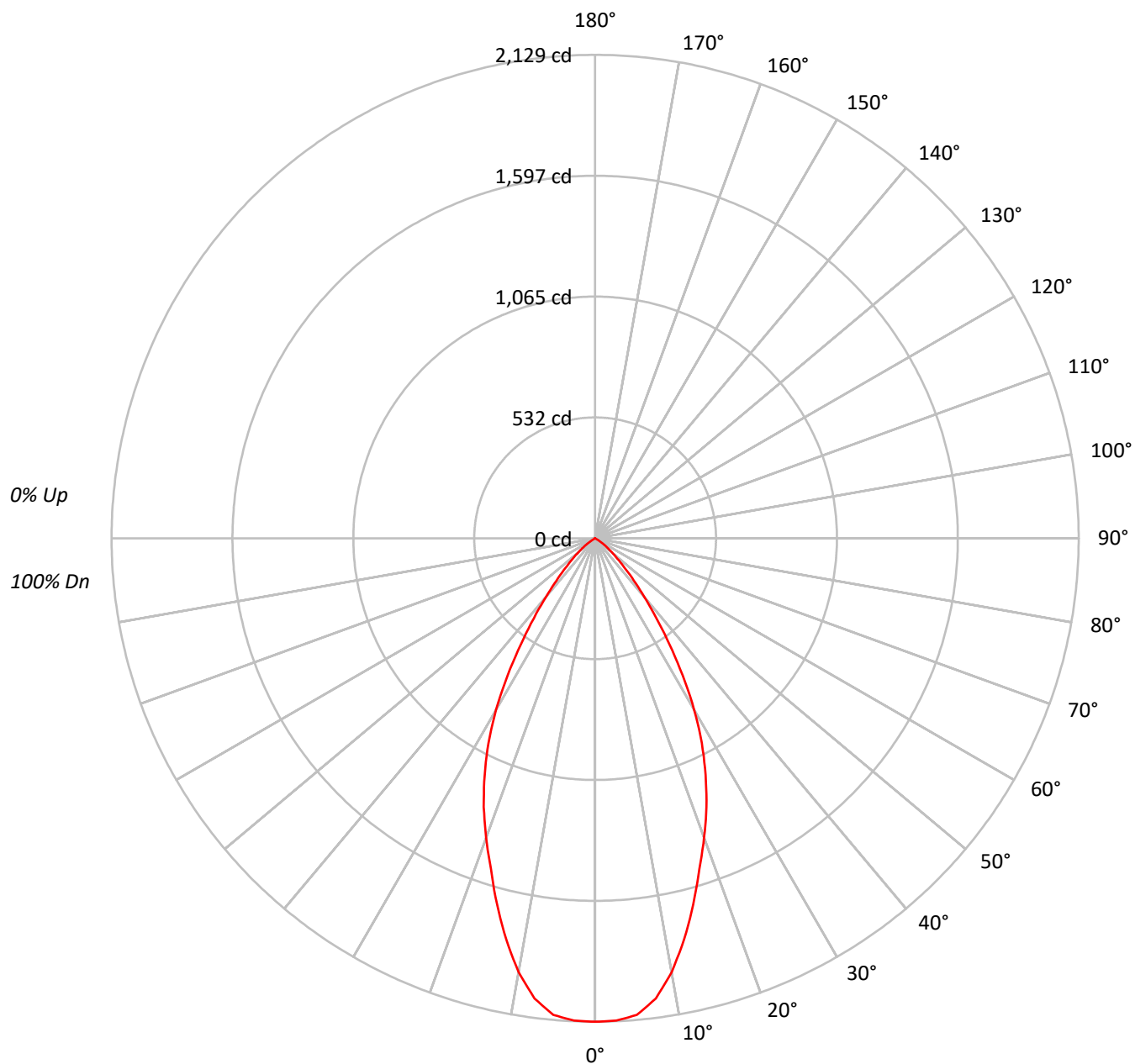
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	111	108	106		111	109	106	104		104	103	101			101	99	98			93
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			87
3	102	96	91	87		100	94	90	86		92	88	85			89	86	83			80
4	97	89	84	79		95	88	83	79		86	82	78			84	80	77			75
5	92	83	78	73		90	83	77	73		81	76	72			79	75	72			69
6	87	78	72	68		86	77	72	68		76	71	67			74	70	67			65
7	83	73	67	63		81	73	67	63		71	66	63			70	66	62			60
8	79	69	63	59		78	69	63	59		67	62	59			66	62	58			57
9	75	65	59	55		74	65	59	55		64	59	55			63	58	55			53
10	71	62	56	52		70	61	56	52		60	55	52			60	55	52			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	824621
5°	819294
10°	763044
15°	669166
20°	578035
25°	491668
30°	389974
35°	269153
40°	168986
45°	100848
50°	58392
55°	29444
60°	1859
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	11.3
10°-20°	465.1	26.9
20°-30°	523.5	30.2
30°-40°	359.7	20.8
40°-50°	149.4	8.6
50°-60°	38.5	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°	1184.3	68.4
0°-40°	1543.9	89.1
0°-60°	1731.9	100.0
0°-90°	1732.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1732.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2129	
5°	2107	196
15°	1669	465
25°	1150	523
35°	569	360
45°	184	149
55°	44	39
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2128.9
2.5°	2126.5
5°	2107.1
7.5°	2044.1
10°	1940.0
12.5°	1809.2
15°	1668.7
17.5°	1525.8
20°	1402.3
22.5°	1281.2
25°	1150.4
27.5°	1017.2
30°	871.9
32.5°	716.9
35°	569.2
37.5°	443.2
40°	334.2
42.5°	251.9
45°	184.1
47.5°	133.2
50°	96.9
52.5°	67.8
55°	43.6
57.5°	14.5
60°	2.4
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



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— 0°-180°







(END OF REPORT)