

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: **LSSQWM2B20WFL558027D010 2LBDC*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B20WFL558027D010 2LBDC*MW
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1720.2 lumens
Efficiency: N/A
Efficacy: 82.3 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

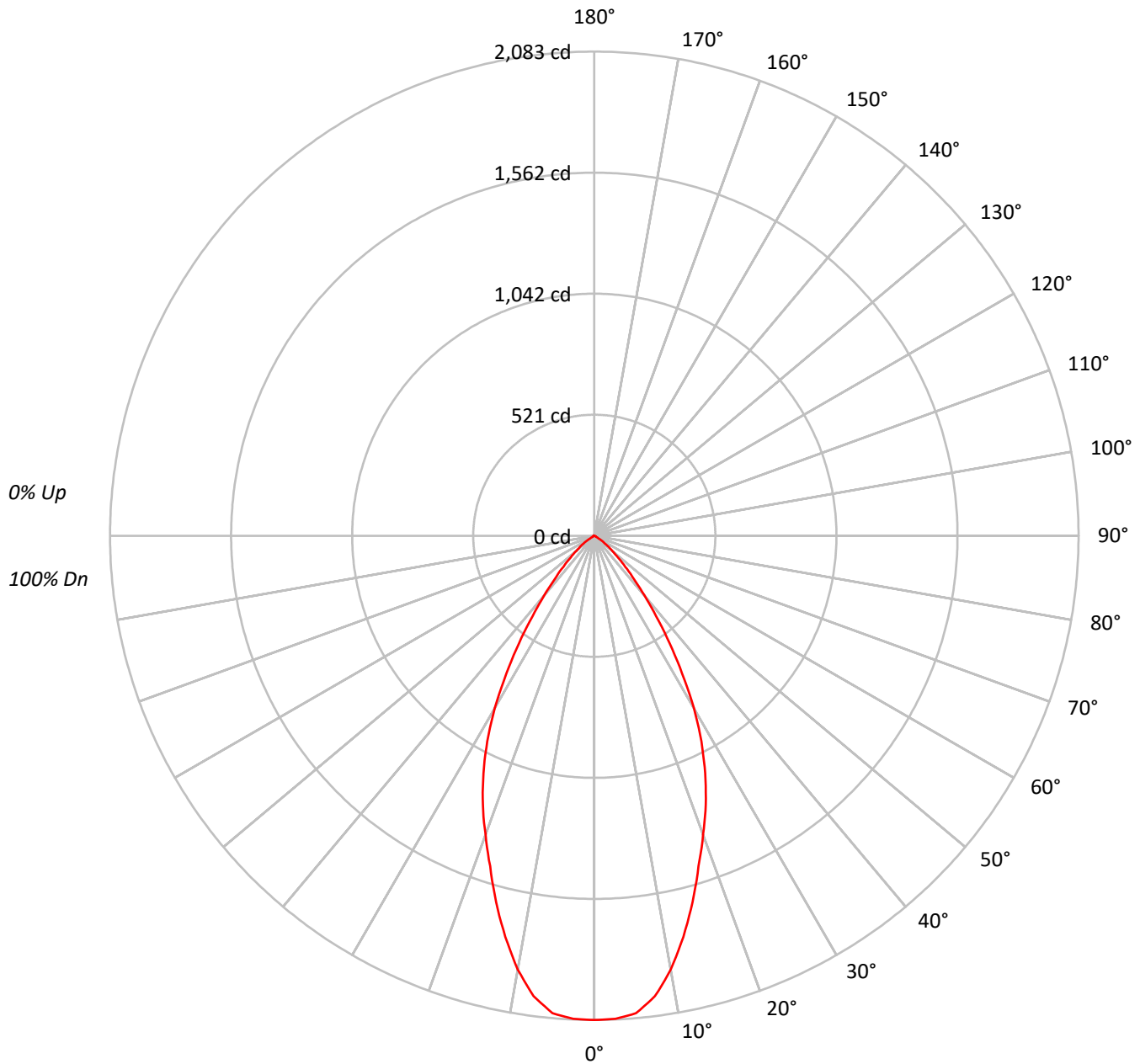
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	106		111	108	106	104		104	102	101		101	99	98		97	96	95
2	108	102	98	95		105	101	97	94		98	94	92		95	92	90		92	90	88
3	102	95	90	86		100	94	89	85		91	87	84		89	85	83		87	84	81
4	97	89	83	79		95	88	82	78		85	81	77		83	80	76		82	78	76
5	91	83	77	72		90	82	76	72		80	75	71		78	74	71		77	73	70
6	87	78	71	67		85	77	71	67		75	70	66		74	69	66		73	69	65
7	82	73	67	62		81	72	66	62		71	66	62		70	65	62		69	64	61
8	78	69	62	58		77	68	62	58		67	62	58		66	61	58		65	61	57
9	74	65	59	55		73	64	58	54		63	58	54		62	57	54		61	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°	806880
5°	801719
10°	745344
15°	654328
20°	564061
25°	482308
30°	382772
35°	266836
40°	168835
45°	103039
50°	60923
55°	33361
60°	7282
65°	6507
70°	5323
75°	7034
80°	5354
85°	10666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.4	11.1
10°-20°	454.4	26.4
20°-30°	512.7	29.8
30°-40°	354.7	20.6
40°-50°	151.2	8.8
50°-60°	43.8	2.5
60°-70°	6.4	0.4
70°-80°	4.0	0.2
80°-90°	1.6	0.1
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°	1158.5	67.3
0°-40°	1513.2	88.0
0°-60°	1708.1	99.3
0°-90°	1720.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1720.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2083	
5°	2062	191
15°	1632	454
25°	1128	513
35°	564	355
45°	188	151
55°	49	44
65°	7	6
75°	5	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2083.1
2.5°	2080.7
5°	2061.9
7.5°	1998.5
10°	1895.0
12.5°	1768.0
15°	1631.7
17.5°	1490.6
20°	1368.4
22.5°	1253.2
25°	1128.5
27.5°	996.9
30°	855.8
32.5°	703.0
35°	564.3
37.5°	437.3
40°	333.9
42.5°	251.6
45°	188.1
47.5°	136.4
50°	101.1
52.5°	72.9
55°	49.4
57.5°	21.2
60°	9.4
62.5°	7.1
65°	7.1
67.5°	4.7
70°	4.7
72.5°	4.7
75°	4.7
77.5°	2.4
80°	2.4
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)