

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: **LSSQWM2B10WFL558030D010 2LBD*H**

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 (P29157)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B10WFL558030D010 2LBD*H
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 968.6 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

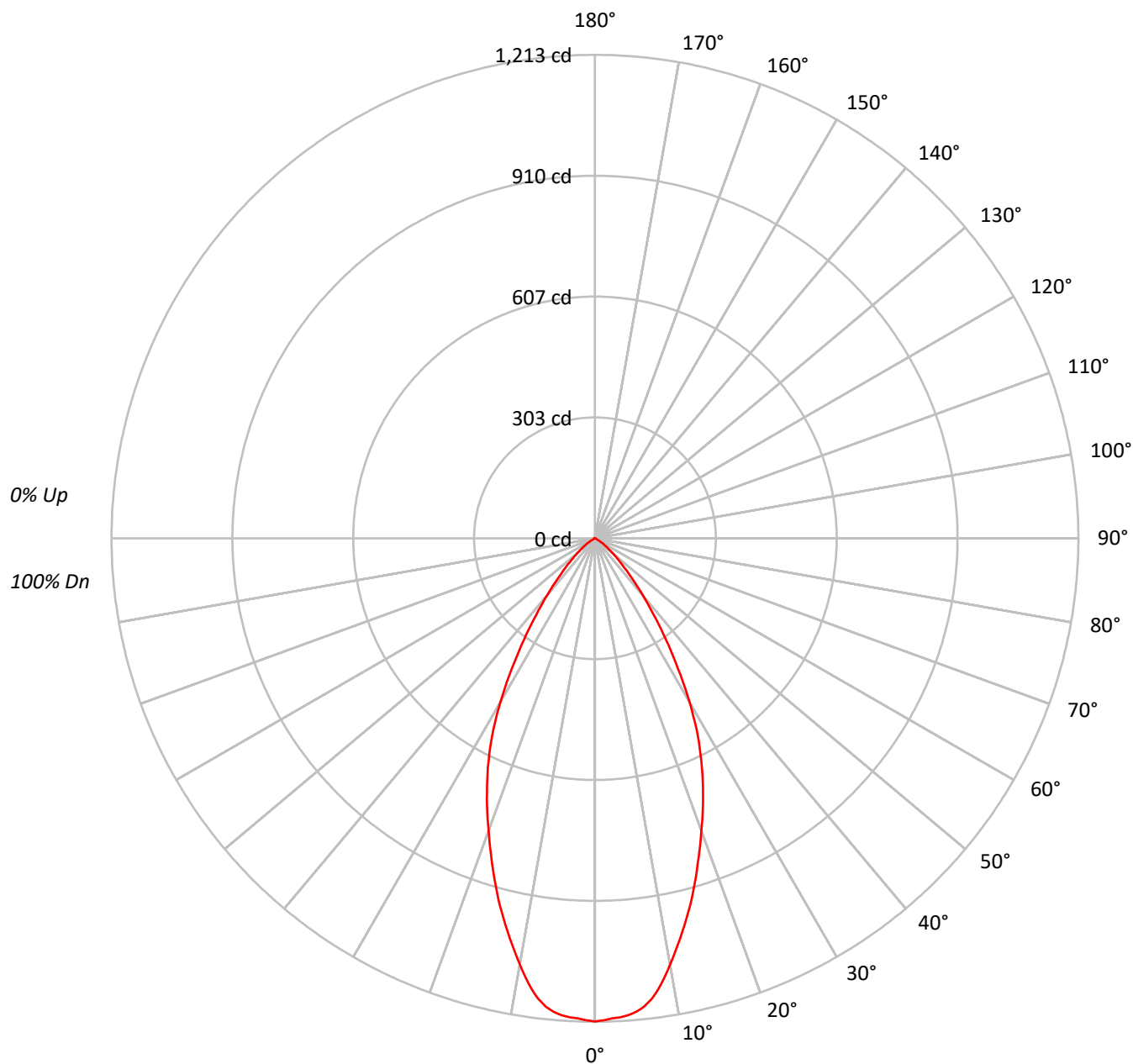
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558030D010 2LBD*H

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558030D010 2LBD*H

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	113	111	108	106		111	108	106	104		104	103	101			101	99	98			97
2	108	103	99	95		105	101	97	94		98	95	92			95	92	90			92
3	102	96	91	86		100	94	90	86		92	88	84			89	86	83			87
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			82
5	92	83	77	73		90	82	77	73		81	76	72			79	75	71			77
6	87	78	72	68		86	77	71	67		76	71	67			74	70	66			73
7	83	73	67	63		81	73	67	63		71	66	62			70	65	62			69
8	79	69	63	59		77	68	63	59		67	62	58			66	62	58			65
9	75	65	59	55		74	65	59	55		64	58	55			63	58	55			62
10	71	62	56	52		70	61	55	52		60	55	52			59	55	51			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	469696
5°	463791
10°	427108
15°	375907
20°	321932
25°	271606
30°	212050
35°	146493
40°	94100
45°	57463
50°	33987
55°	19382
60°	6120
65°	917
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558030D010 2LBD*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	11.4
10°-20°	260.5	26.9
20°-30°	288.8	29.8
30°-40°	196.0	20.2
40°-50°	84.6	8.7
50°-60°	26.6	2.7
60°-70°	1.7	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°	659.8	68.1
0°-40°	855.7	88.3
0°-60°	966.9	99.8
0°-90°	968.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1213	
5°	1193	111
15°	937	260
25°	636	289
35°	310	196
45°	105	85
55°	29	27
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558030D010 2LBD*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1212.6
1°	1209.6
2°	1205.7
3°	1203.7
4°	1199.7
5°	1192.8
6°	1181.9
7°	1165.1
8°	1142.3
9°	1115.6
10°	1085.9
11°	1056.2
12°	1026.5
13°	996.8
14°	967.1
15°	937.4
17.5°	857.2
20°	781.0
22.5°	708.7
25°	635.5
27.5°	559.3
30°	474.1
32.5°	388.0
35°	309.8
37.5°	242.5
40°	186.1
42.5°	140.6
45°	104.9
47.5°	77.2
50°	56.4
52.5°	40.6
55°	28.7
57.5°	18.8
60°	7.9
62.5°	2.0
65°	1.0
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



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558030D010 2LBD*H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)