

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: P224940

Luminaire Tested: **LSSQWM2B10FL408027D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B10FL408027D010 2LBD*H
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1002.0 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

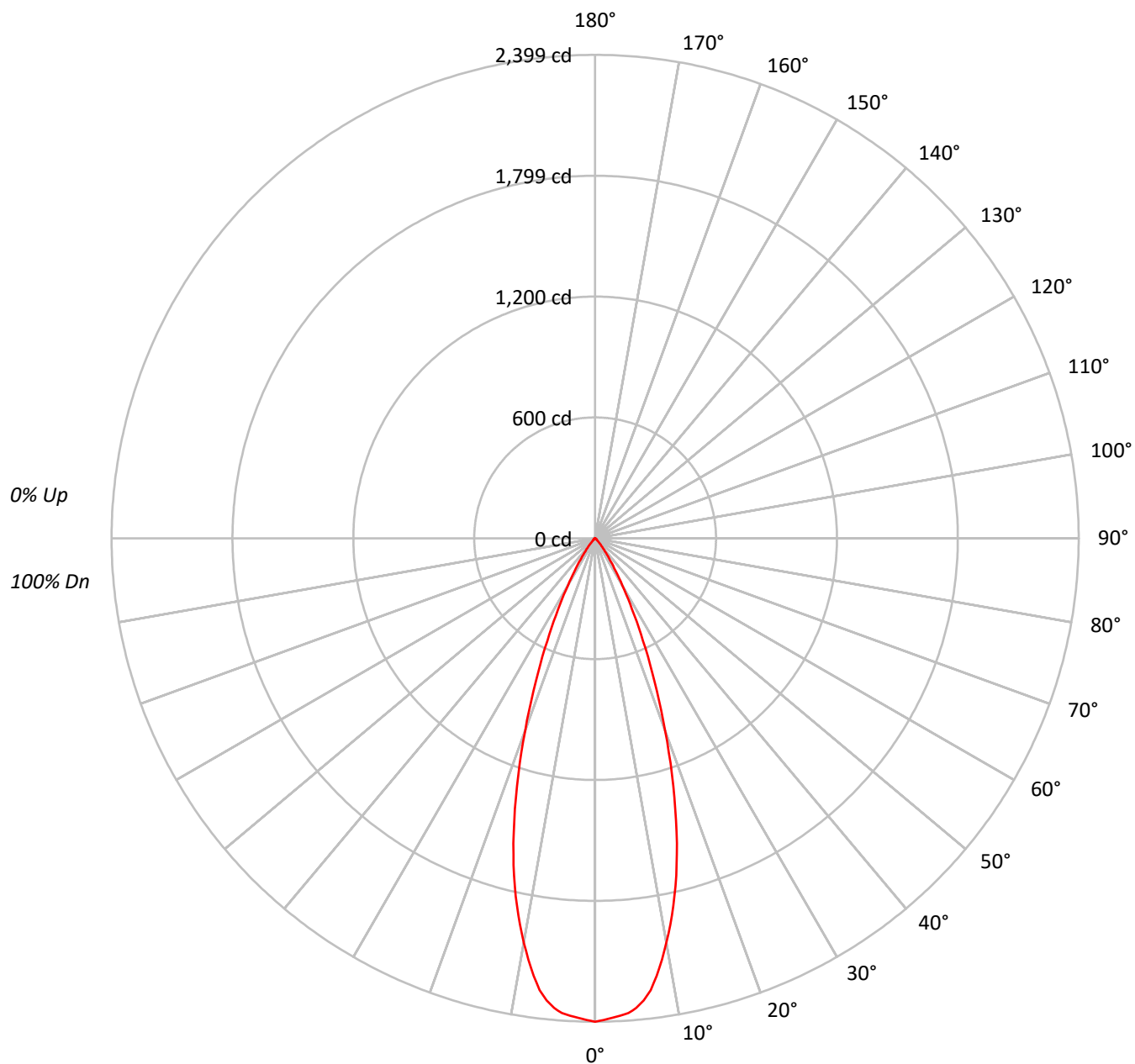
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	110	106	103	100		108	104	101	99		101	99	97			98	96	94			96
3	106	100	96	93		104	99	95	92		97	94	91			94	92	90			92
4	102	96	91	88		100	94	90	87		92	89	86			91	88	85			89
5	98	91	86	83		96	90	86	82		89	85	82			87	84	81			86
6	94	87	82	79		93	86	82	78		85	81	78			84	80	77			82
7	91	83	78	75		90	83	78	75		82	77	74			80	77	74			79
8	88	80	75	72		87	79	75	72		78	74	71			77	74	71			77
9	85	77	72	69		84	76	72	69		75	71	68			75	71	68			74
10	82	74	69	66		81	73	69	66		73	69	66			72	68	66			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	929398
5°	909930
10°	801392
15°	628744
20°	417522
25°	239680
30°	120226
35°	55514
40°	22552
45°	10079
50°	5243
55°	3309
60°	1472
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.7	21.3
10°-20°	424.4	42.4
20°-30°	263.7	26.3
30°-40°	79.5	7.9
40°-50°	16.2	1.6
50°-60°	4.2	0.4
60°-70°	0.2	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°	901.8	90.0
0°-40°	981.3	97.9
0°-60°	1001.7	100.0
0°-90°	1002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2399	
5°	2340	214
15°	1568	424
25°	561	264
35°	117	80
45°	18	16
55°	5	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2399.4
1°	2391.6
2°	2381.0
3°	2373.2
4°	2361.6
5°	2340.2
6°	2306.2
7°	2259.7
8°	2192.7
9°	2117.1
10°	2037.5
11°	1953.1
12°	1864.8
13°	1772.6
14°	1671.7
15°	1567.9
17.5°	1289.4
20°	1012.9
22.5°	768.4
25°	560.8
27.5°	395.9
30°	268.8
32.5°	176.6
35°	117.4
37.5°	72.8
40°	44.6
42.5°	29.1
45°	18.4
47.5°	11.6
50°	8.7
52.5°	5.8
55°	4.9
57.5°	2.9
60°	1.9
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)