

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: P224534

Luminaire Tested: **LSSQWM2B10FL408040D010 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B10FL408040D010 2LBDL*WMH
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1034.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

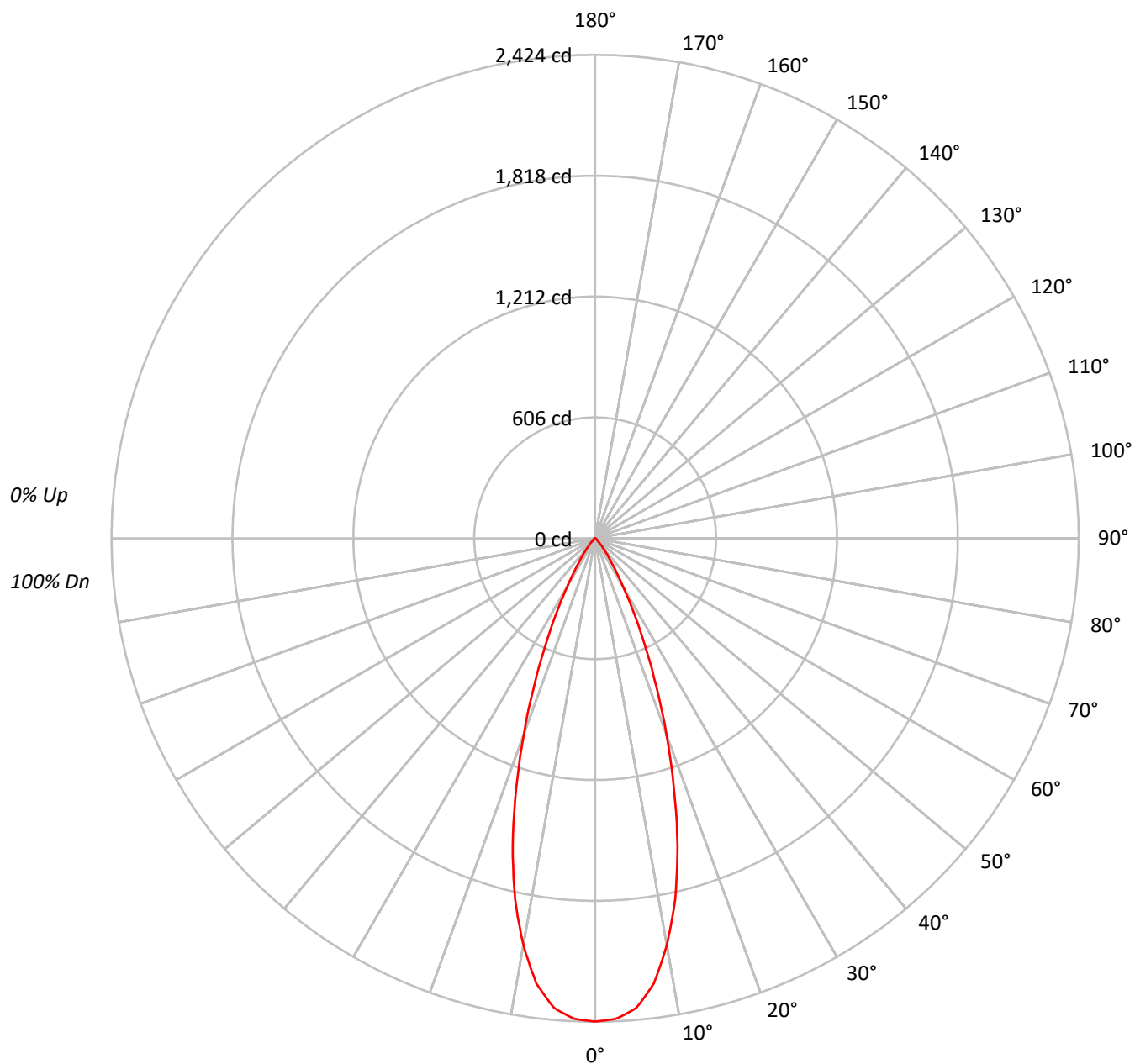
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224534

CATALOG NUMBER: LSSQWM2B10FL408040D010 2LBDL*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P224534

CATALOG NUMBER: LSSQWM2B10FL408040D010 2LBDL*WMH

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	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	102	100		108	104	101	98		101	98	96			98	96	94			91
3	106	100	96	93		104	99	95	92		96	93	91			94	91	89			87
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			83
5	98	91	86	82		96	90	85	82		88	84	81			87	83	81			79
6	94	87	82	78		93	86	81	78		85	81	77			83	80	77			75
7	91	83	78	75		89	82	78	74		81	77	74			80	76	74			72
8	87	79	75	71		86	79	74	71		78	74	71			77	73	71			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	68			66
10	81	73	69	65		80	73	68	65		72	68	65			72	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	938772
5°	919417
10°	814490
15°	640052
20°	430301
25°	249980
30°	124922
35°	58919
40°	27861
45°	12216
50°	6327
55°	3512
60°	2014
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224534

CATALOG NUMBER: LSSQWM2B10FL408040D010 2LBDL*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	20.9
10°-20°	432.9	41.8
20°-30°	273.7	26.5
30°-40°	85.6	8.3
40°-50°	19.9	1.9
50°-60°	5.2	0.5
60°-70°	0.9	0.1
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°	922.9	89.2
0°-40°	1008.5	97.5
0°-60°	1033.6	99.9
0°-90°	1034.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2424	
5°	2365	216
15°	1596	433
25°	585	274
35°	125	86
45°	22	20
55°	5	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224534

CATALOG NUMBER: LSSQWM2B10FL408040D010 2LBDL*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2423.6
2.5°	2411.8
5°	2364.6
7.5°	2253.1
10°	2070.8
12.5°	1854.4
15°	1596.1
17.5°	1314.1
20°	1043.9
22.5°	794.8
25°	584.9
27.5°	413.1
30°	279.3
32.5°	186.2
35°	124.6
37.5°	83.9
40°	55.1
42.5°	34.1
45°	22.3
47.5°	15.7
50°	10.5
52.5°	7.9
55°	5.2
57.5°	3.9
60°	2.6
62.5°	2.6
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)