

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: P225031

Luminaire Tested: **LSSQWM2B05FL408050D010 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14830)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05FL408050D010 2LBD*WMH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 753.0 lumens
Efficiency: N/A
Efficacy: 103.1 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

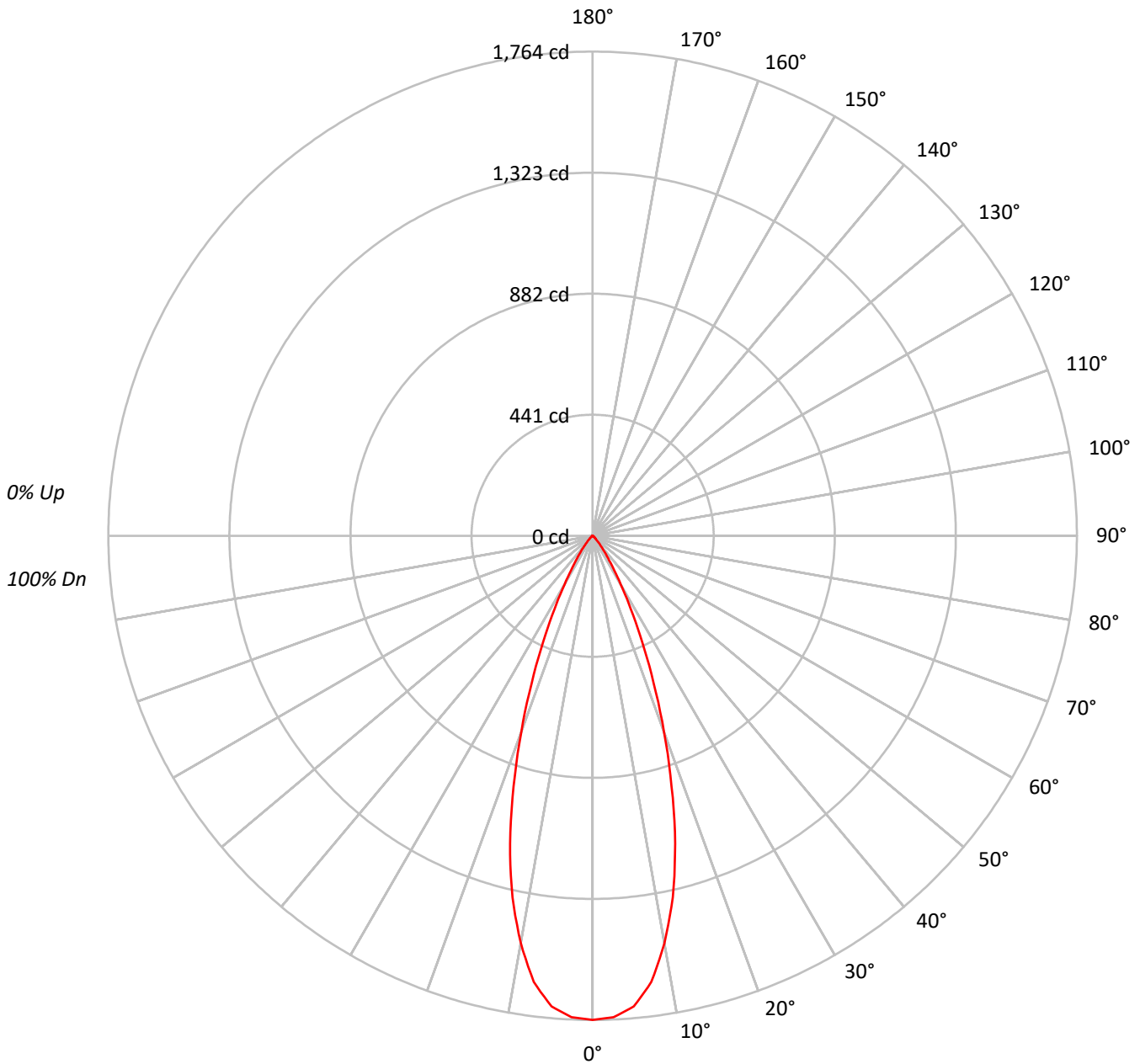
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225031

CATALOG NUMBER: LSSQWM2B05FL408050D010 2LBD*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P225031

CATALOG NUMBER: LSSQWM2B05FL408050D010 2LBD*WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87	87	87	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	83	83	83	83
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79	79
6	94	87	82	78	93	86	81	78	85	81	77	83	80	77	82	79	77	75	75	75	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72	72	72	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66	66	66	66
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64	64	64	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	683278
5°	669208
10°	592853
15°	465853
20°	313193
25°	181940
30°	90930
35°	42889
40°	20276
45°	8874
50°	4580
55°	2566
60°	1472
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225031

CATALOG NUMBER: LSSQWM2B05FL408050D010 2LBD*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	20.9
10°-20°	315.1	41.8
20°-30°	199.2	26.5
30°-40°	62.3	8.3
40°-50°	14.5	1.9
50°-60°	3.8	0.5
60°-70°	0.7	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°	671.7	89.2
0°-40°	734.0	97.5
0°-60°	752.3	99.9
0°-90°	753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1764	
5°	1721	157
15°	1162	315
25°	426	199
35°	91	62
45°	16	14
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225031

CATALOG NUMBER: LSSQWM2B05FL408050D010 2LBD*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1764.0
2.5°	1755.4
5°	1721.1
7.5°	1639.9
10°	1507.3
12.5°	1349.8
15°	1161.7
17.5°	956.5
20°	759.8
22.5°	578.5
25°	425.7
27.5°	300.7
30°	203.3
32.5°	135.5
35°	90.7
37.5°	61.1
40°	40.1
42.5°	24.8
45°	16.2
47.5°	11.5
50°	7.6
52.5°	5.7
55°	3.8
57.5°	2.9
60°	1.9
62.5°	1.9
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)