

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: **LSSQWM2B05WFL558035D010 2LBD*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: LSSQWM2B05WFL558035D010 2LBD*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 738.9 lumens
Efficiency: N/A
Efficacy: 101.2 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

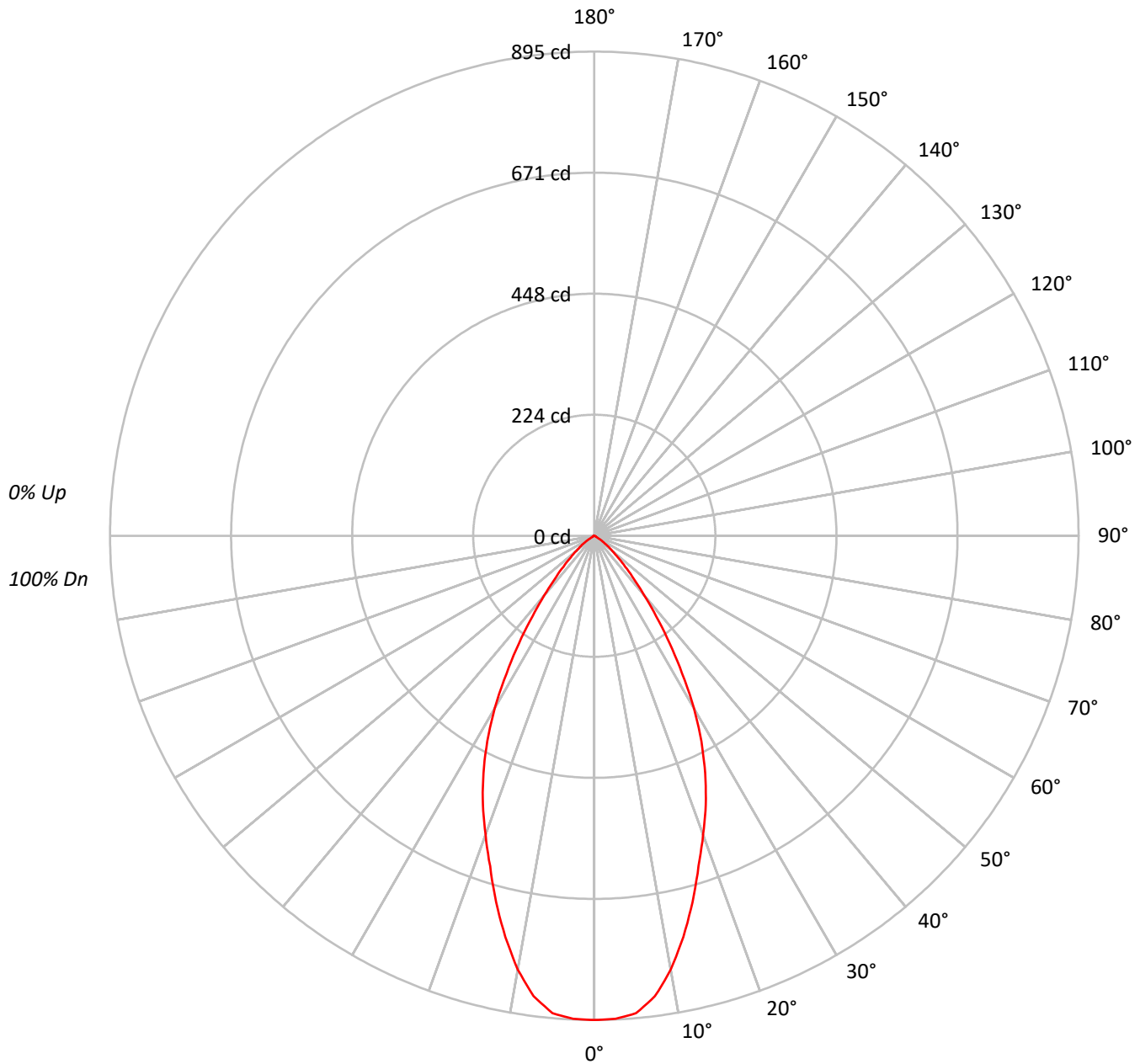
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B05WFL558035D010 2LBD*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B05WFL558035D010 2LBD*MW

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	110	108	106	111	108	106	104	104	102	101		101	99	98		97
2	108	102	98	95	105	101	97	94	98	94	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		87
4	97	89	83	79	95	88	82	78	85	81	77		83	80	76		82
5	91	83	77	72	90	82	76	72	80	75	72		78	74	71		77
6	87	78	71	67	85	77	71	67	75	70	66		74	69	66		73
7	82	73	67	62	81	72	66	62	71	66	62		70	65	62		69
8	78	69	62	58	77	68	62	58	67	62	58		66	61	58		65
9	74	65	59	55	73	64	58	54	63	58	54		62	57	54		61
10	71	61	55	51	70	61	55	51	60	55	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	346675
5°	344461
10°	320203
15°	281108
20°	242335
25°	207241
30°	164461
35°	114622
40°	72509
45°	44261
50°	26153
55°	14317
60°	3099
65°	2750
70°	2265
75°	2993
80°	2231
85°	4444



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B05WFL558035D010 2LBD*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	11.1
10°-20°	195.2	26.4
20°-30°	220.3	29.8
30°-40°	152.4	20.6
40°-50°	64.9	8.8
50°-60°	18.8	2.5
60°-70°	2.7	0.4
70°-80°	1.7	0.2
80°-90°	0.7	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°	497.7	67.4
0°-40°	650.1	88.0
0°-60°	733.8	99.3
0°-90°	738.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	895	
5°	886	82
15°	701	195
25°	485	220
35°	242	152
45°	81	65
55°	21	19
65°	3	3
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B05WFL558035D010 2LBD*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	895.0
2.5°	893.9
5°	885.9
7.5°	858.6
10°	814.1
12.5°	759.6
15°	701.0
17.5°	640.4
20°	587.9
22.5°	538.4
25°	484.9
27.5°	428.3
30°	367.7
32.5°	302.0
35°	242.4
37.5°	187.9
40°	143.4
42.5°	108.1
45°	80.8
47.5°	58.6
50°	43.4
52.5°	31.3
55°	21.2
57.5°	9.1
60°	4.0
62.5°	3.0
65°	3.0
67.5°	2.0
70°	2.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)