

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: **LSSQ2B05WFL559040D010 2LBDDELETELC*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: LSSQ2B05WFL559040D010 2LBDDELETELC*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 549.1 lumens
Efficiency: N/A
Efficacy: 75.2 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

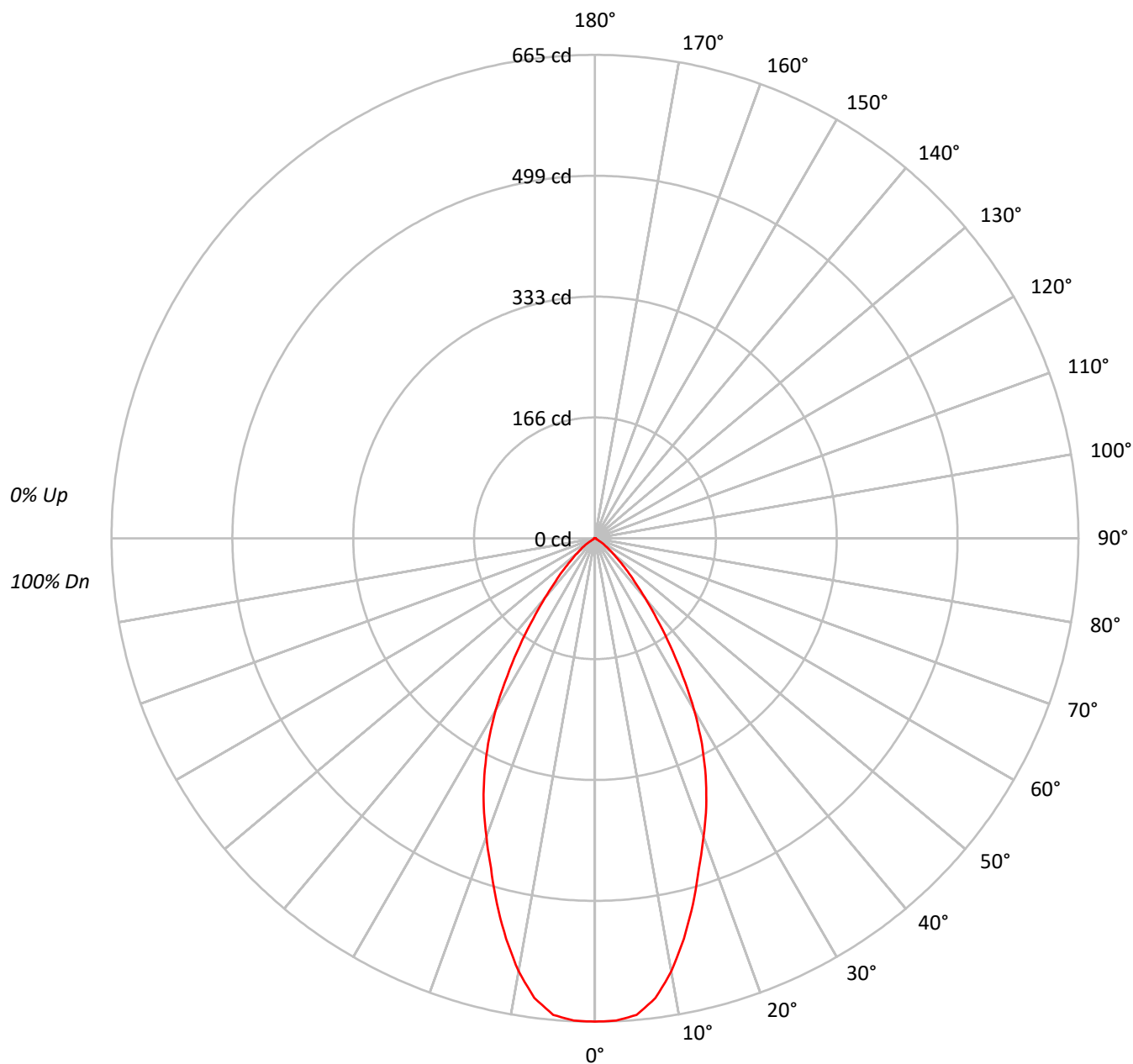
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B05WFL559040D010 2LBDDELETEL*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B05WFL559040D010 2LBDDELETEL*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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	110	108	106		111	108	106	104		104	102	101			101	99	98			93
2	108	102	98	95		105	101	97	94		98	94	92			95	92	90			86
3	102	95	90	86		100	94	89	85		91	87	84			89	85	83			80
4	97	89	83	79		95	88	82	78		85	81	77			83	80	76			74
5	91	83	77	72		90	82	76	72		80	75	71			78	74	71			69
6	87	78	71	67		85	77	71	67		75	70	66			74	69	66			64
7	82	73	67	62		81	72	66	62		71	66	62			70	65	62			60
8	78	69	62	58		77	68	62	58		67	62	58			66	61	58			56
9	74	65	59	55		73	64	58	54		63	58	54			62	57	54			52
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257546
5°	255886
10°	237881
15°	208846
20°	180010
25°	153946
30°	122149
35°	85162
40°	53902
45°	32867
50°	19464
55°	10670
60°	2324
65°	2108
70°	1699
75°	2245
80°	1785
85°	3555



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B05WFL559040D010 2LBDDELETELC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	11.1
10°-20°	145.0	26.4
20°-30°	163.6	29.8
30°-40°	113.2	20.6
40°-50°	48.2	8.8
50°-60°	14.0	2.5
60°-70°	2.1	0.4
70°-80°	1.3	0.2
80°-90°	0.5	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°	369.8	67.3
0°-40°	483.0	88.0
0°-60°	545.2	99.3
0°-90°	549.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	665	
5°	658	61
15°	521	145
25°	360	164
35°	180	113
45°	60	48
55°	16	14
65°	2	2
75°	2	1
85°	1	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B05WFL559040D010 2LBDDELETELC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	664.9
2.5°	664.1
5°	658.1
7.5°	637.8
10°	604.8
12.5°	564.3
15°	520.8
17.5°	475.8
20°	436.7
22.5°	400.0
25°	360.2
27.5°	318.2
30°	273.1
32.5°	224.4
35°	180.1
37.5°	139.6
40°	106.6
42.5°	80.3
45°	60.0
47.5°	43.5
50°	32.3
52.5°	23.3
55°	15.8
57.5°	6.8
60°	3.0
62.5°	2.3
65°	2.3
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)