

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: **LSSQWM2B05WFL559030D010 2LBDL*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: LSSQWM2B05WFL559030D010 2LBDL*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 545.0 lumens
Efficiency: N/A
Efficacy: 74.7 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

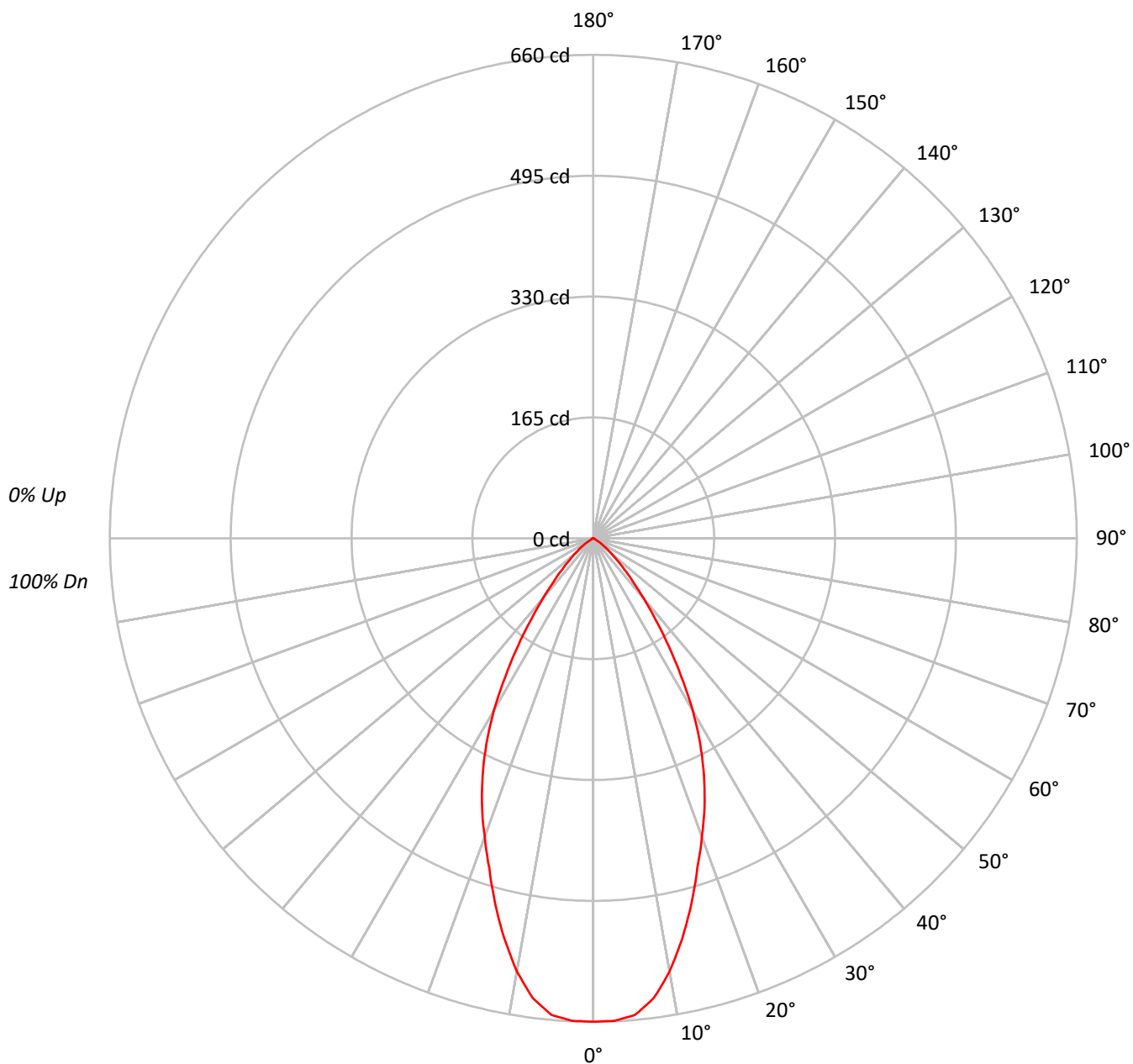
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B05WFL559030D010 2LBDL*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B05WFL559030D010 2LBDL*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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	106		111	108	106	104		104	102	101		101	99	98		97	96	95
2	108	102	98	95		105	101	97	94		98	94	92		95	92	90		92	90	88
3	102	95	90	86		100	94	89	85		91	87	84		89	85	83		87	84	81
4	97	89	83	79		95	88	82	78		85	81	77		83	80	76		82	78	76
5	91	83	77	72		90	82	76	72		80	75	72		78	74	71		77	73	70
6	87	78	71	67		85	77	71	67		75	70	66		74	69	66		73	69	65
7	82	73	67	62		81	72	66	62		71	66	62		70	65	62		69	64	61
8	78	69	62	58		77	68	62	58		67	62	58		66	61	58		65	61	57
9	74	65	59	55		73	64	58	54		63	58	54		62	57	54		61	57	54
10	71	61	55	51		70	61	55	51		60	55	51		59	54	51		58	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	255648
5°	254020
10°	236150
15°	207322
20°	178732
25°	152834
30°	121299
35°	84548
40°	53497
45°	32648
50°	19283
55°	10535
60°	2324
65°	2016
70°	1699
75°	2245
80°	1561
85°	3111



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B05WFL559030D010 2LBDL*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	11.1
10°-20°	144.0	26.4
20°-30°	162.5	29.8
30°-40°	112.4	20.6
40°-50°	47.9	8.8
50°-60°	13.8	2.5
60°-70°	2.0	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°	367.1	67.4
0°-40°	479.5	88.0
0°-60°	541.2	99.3
0°-90°	545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	660	
5°	653	61
15°	517	144
25°	358	162
35°	179	112
45°	60	48
55°	16	14
65°	2	2
75°	2	1
85°	1	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B05WFL559030D010 2LBDL*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	660.0
2.5°	659.3
5°	653.3
7.5°	633.2
10°	600.4
12.5°	560.2
15°	517.0
17.5°	472.3
20°	433.6
22.5°	397.1
25°	357.6
27.5°	315.9
30°	271.2
32.5°	222.7
35°	178.8
37.5°	138.6
40°	105.8
42.5°	79.7
45°	59.6
47.5°	43.2
50°	32.0
52.5°	23.1
55°	15.6
57.5°	6.7
60°	3.0
62.5°	2.2
65°	2.2
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)