

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: **LSR2B05WFL559040D010 2LBDLC*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: LSR2B05WFL559040D010 2LBDLC*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 560.0 lumens
Efficiency: N/A
Efficacy: 76.7 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

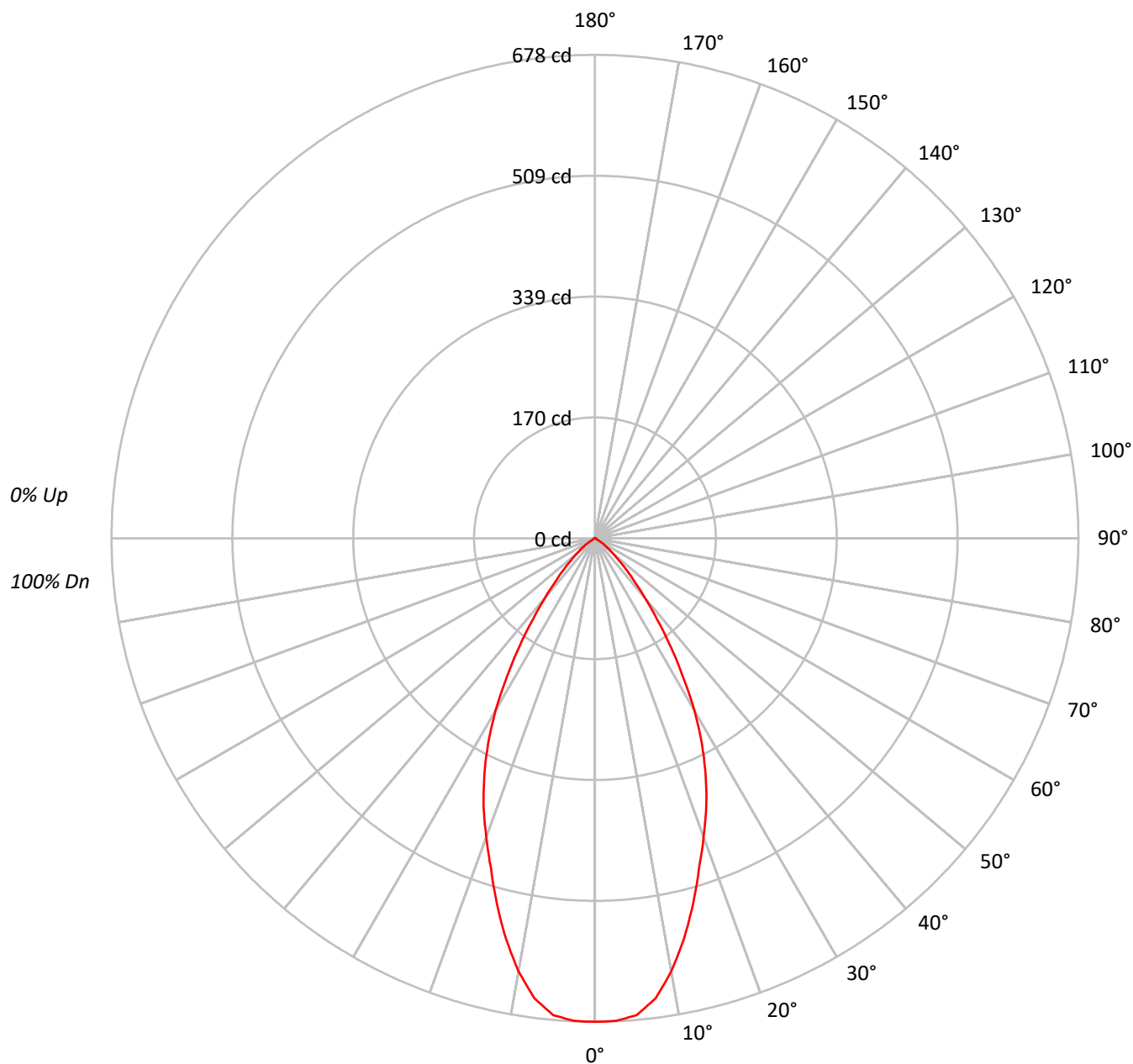
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	71		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°	262698
5°	261019
10°	242640
15°	213017
20°	183637
25°	157023
30°	124609
35°	86865
40°	54964
45°	33525
50°	19826
55°	10873
60°	2402
65°	2108
70°	1699
75°	2245
80°	1785
85°	3555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	11.1
10°-20°	147.9	26.4
20°-30°	166.9	29.8
30°-40°	115.5	20.6
40°-50°	49.2	8.8
50°-60°	14.2	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°	377.2	67.3
0°-40°	492.6	88.0
0°-60°	556.1	99.3
0°-90°	560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	678	
5°	671	62
15°	531	148
25°	367	167
35°	184	115
45°	61	49
55°	16	14
65°	2	2
75°	2	1
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	678.2
2.5°	677.4
5°	671.3
7.5°	650.6
10°	616.9
12.5°	575.6
15°	531.2
17.5°	485.3
20°	445.5
22.5°	408.0
25°	367.4
27.5°	324.5
30°	278.6
32.5°	228.9
35°	183.7
37.5°	142.4
40°	108.7
42.5°	81.9
45°	61.2
47.5°	44.4
50°	32.9
52.5°	23.7
55°	16.1
57.5°	6.9
60°	3.1
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



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— 0°-180°







(END OF REPORT)