

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: **LSR2B05WFL559024D010 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: LSR2B05WFL559024D010 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: 470.0 lumens
Efficiency: N/A
Efficacy: 64.4 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

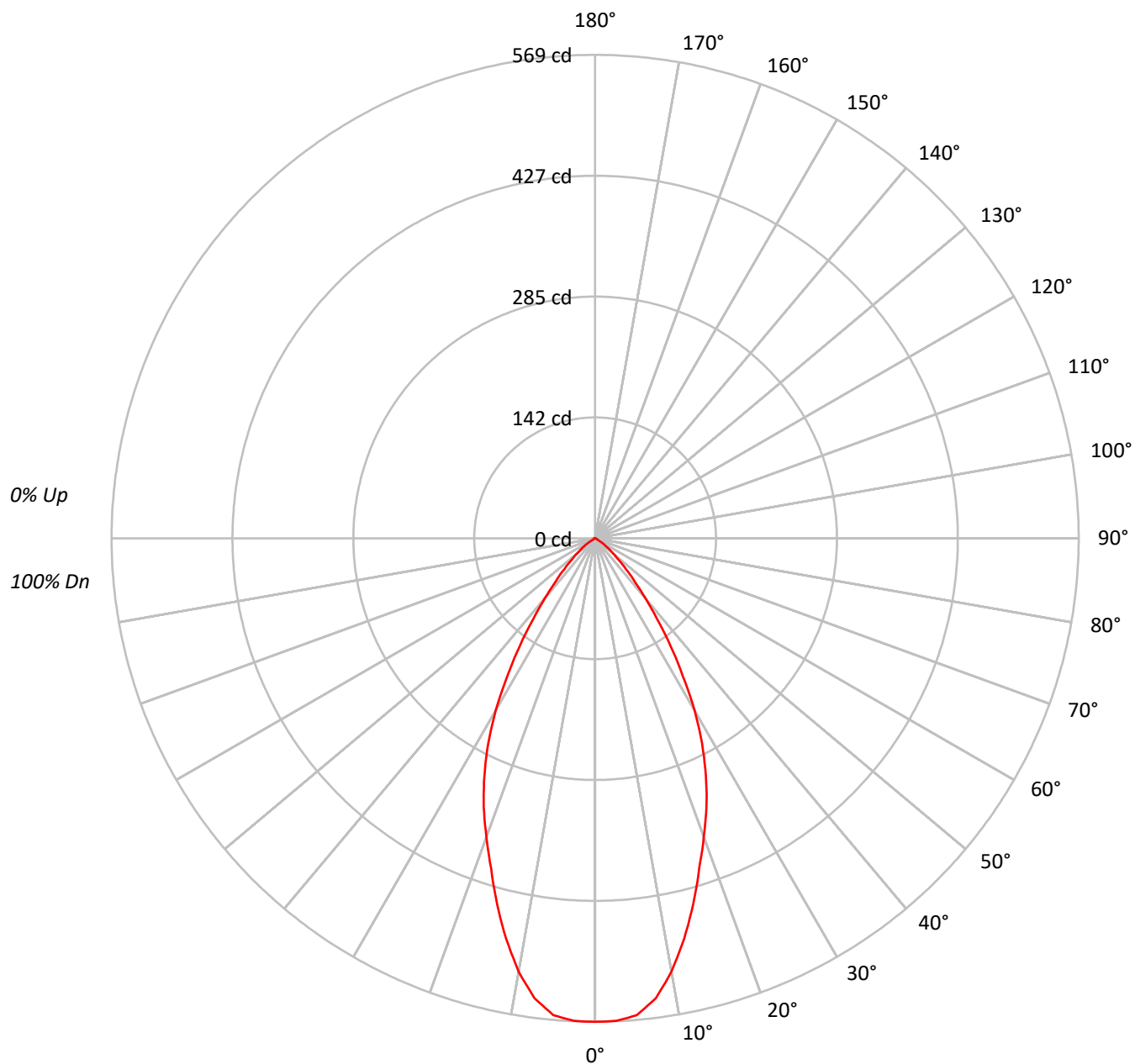
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	220477
5°	219064
10°	203662
15°	178770
20°	154123
25°	131807
30°	104571
35°	72915
40°	46115
45°	28156
50°	16632
55°	9117
60°	2014
65°	1741
70°	1472
75°	1946
80°	1338
85°	2667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	11.1
10°-20°	124.2	26.4
20°-30°	140.1	29.8
30°-40°	96.9	20.6
40°-50°	41.3	8.8
50°-60°	12.0	2.5
60°-70°	1.7	0.4
70°-80°	1.1	0.2
80°-90°	0.4	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°	316.5	67.4
0°-40°	413.5	88.0
0°-60°	466.7	99.3
0°-90°	470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	470.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	569	
5°	563	52
15°	446	124
25°	308	140
35°	154	97
45°	51	41
55°	14	12
65°	2	2
75°	1	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	569.2
2.5°	568.5
5°	563.4
7.5°	546.1
10°	517.8
12.5°	483.1
15°	445.8
17.5°	407.3
20°	373.9
22.5°	342.4
25°	308.4
27.5°	272.4
30°	233.8
32.5°	192.1
35°	154.2
37.5°	119.5
40°	91.2
42.5°	68.7
45°	51.4
47.5°	37.3
50°	27.6
52.5°	19.9
55°	13.5
57.5°	5.8
60°	2.6
62.5°	1.9
65°	1.9
67.5°	1.3
70°	1.3
72.5°	1.3
75°	1.3
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)