

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: P224905

Luminaire Tested: **LSRWM2B05FL409027D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSRWM2B05FL409027D010 2LBD*H
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 592.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

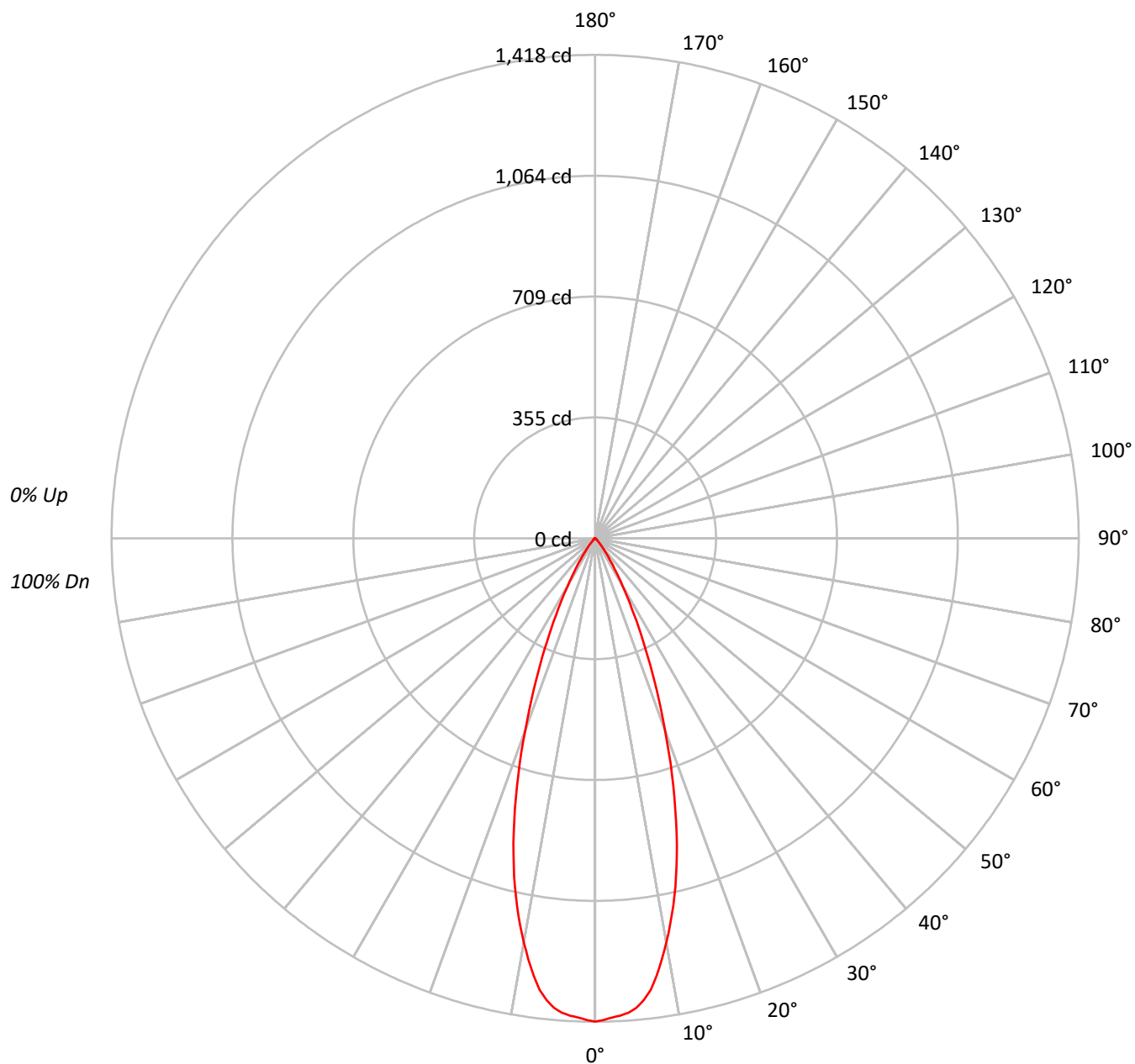
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	103	100		108	104	101	99		101	99	97			98	96	94			91
3	106	100	96	93		104	99	95	92		97	94	91			94	92	90			87
4	102	96	91	88		100	94	90	87		92	89	86			91	88	85			83
5	98	91	86	83		96	90	86	82		89	85	82			87	84	81			79
6	94	87	82	79		93	86	82	78		85	81	78			84	80	77			76
7	91	83	78	75		90	83	78	75		82	77	74			80	77	74			73
8	88	80	75	72		87	79	75	72		78	74	71			77	74	71			70
9	85	77	72	69		84	76	72	69		75	71	68			75	71	68			67
10	82	74	69	66		81	73	69	66		73	69	66			72	68	66			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	549102
5°	537590
10°	473480
15°	371456
20°	246705
25°	141594
30°	71026
35°	32817
40°	13349
45°	5971
50°	3134
55°	1958
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	21.3
10°-20°	250.7	42.4
20°-30°	155.8	26.3
30°-40°	47.0	7.9
40°-50°	9.6	1.6
50°-60°	2.5	0.4
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	532.8	90.0
0°-40°	579.8	97.9
0°-60°	591.9	100.0
0°-90°	592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1418	
5°	1383	126
15°	926	251
25°	331	156
35°	69	47
45°	11	10
55°	3	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1417.6
1°	1413.0
2°	1406.7
3°	1402.1
4°	1395.2
5°	1382.6
6°	1362.6
7°	1335.1
8°	1295.5
9°	1250.8
10°	1203.8
11°	1153.9
12°	1101.8
13°	1047.3
14°	987.7
15°	926.3
17.5°	761.8
20°	598.5
22.5°	454.0
25°	331.3
27.5°	233.9
30°	158.8
32.5°	104.3
35°	69.4
37.5°	43.0
40°	26.4
42.5°	17.2
45°	10.9
47.5°	6.9
50°	5.2
52.5°	3.4
55°	2.9
57.5°	1.7
60°	1.1
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)