

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: P225443

Luminaire Tested: **LSR2B05FL409727D010 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05FL409727D010 2LBDLC*MB
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 488.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

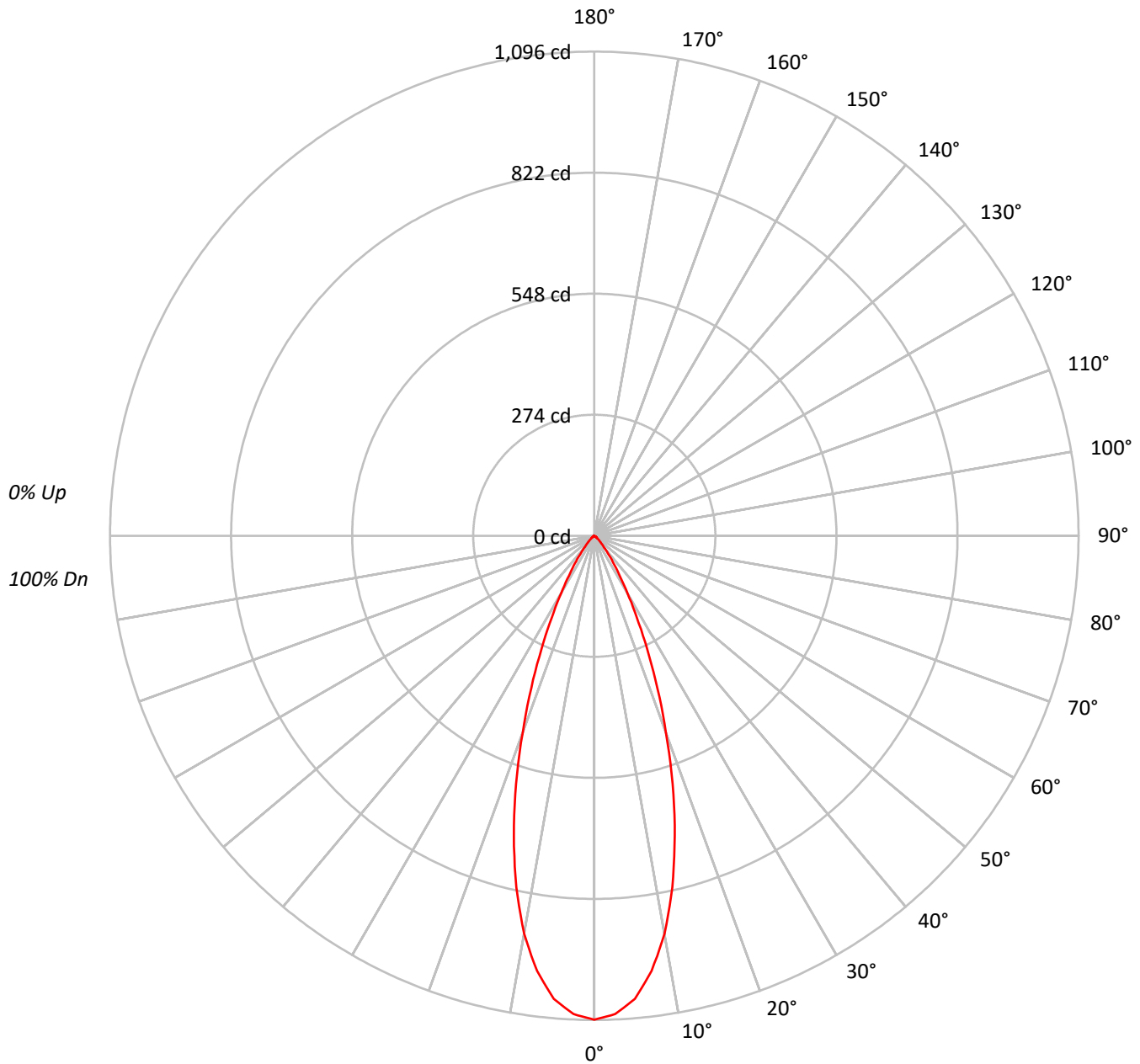
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	105	102	99	107	104	101	98	101	98	96		98	96	94		95
3	105	100	95	92	103	98	94	91	96	92	90		93	91	88		91
4	101	94	90	86	99	93	89	86	91	87	85		89	86	84		88
5	97	90	85	81	95	89	84	81	87	83	80		85	82	79		84
6	93	85	80	77	92	85	80	76	83	79	76		82	78	75		81
7	89	81	76	73	88	81	76	73	80	75	72		79	75	72		78
8	86	78	73	69	85	77	73	69	76	72	69		75	72	69		75
9	83	75	70	66	82	74	69	66	73	69	66		72	69	66		72
10	80	72	67	63	79	71	66	63	70	66	63		70	66	63		69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	424338
5°	409161
10°	359850
15°	282030
20°	195344
25°	120353
30°	66956
35°	35748
40°	17698
45°	9039
50°	4941
55°	3242
60°	1627
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	19.7
10°-20°	192.1	39.4
20°-30°	131.2	26.9
30°-40°	50.0	10.3
40°-50°	13.9	2.8
50°-60°	4.3	0.9
60°-70°	0.4	0.1
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°	419.3	85.9
0°-40°	469.4	96.2
0°-60°	487.6	99.9
0°-90°	488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	488.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1096	
5°	1052	96
15°	703	192
25°	282	131
35°	76	50
45°	16	14
55°	5	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1095.5
2.5°	1083.8
5°	1052.3
7.5°	993.2
10°	914.9
12.5°	815.3
15°	703.3
17.5°	588.6
20°	473.9
22.5°	372.3
25°	281.6
27.5°	206.7
30°	149.7
32.5°	106.5
35°	75.6
37.5°	52.9
40°	35.0
42.5°	23.4
45°	16.5
47.5°	11.7
50°	8.2
52.5°	6.2
55°	4.8
57.5°	3.4
60°	2.1
62.5°	0.7
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)