

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: P224987

Luminaire Tested: **LSR2B20FL409024D010 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL409024D010 2LBDL*LI
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1259.8 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

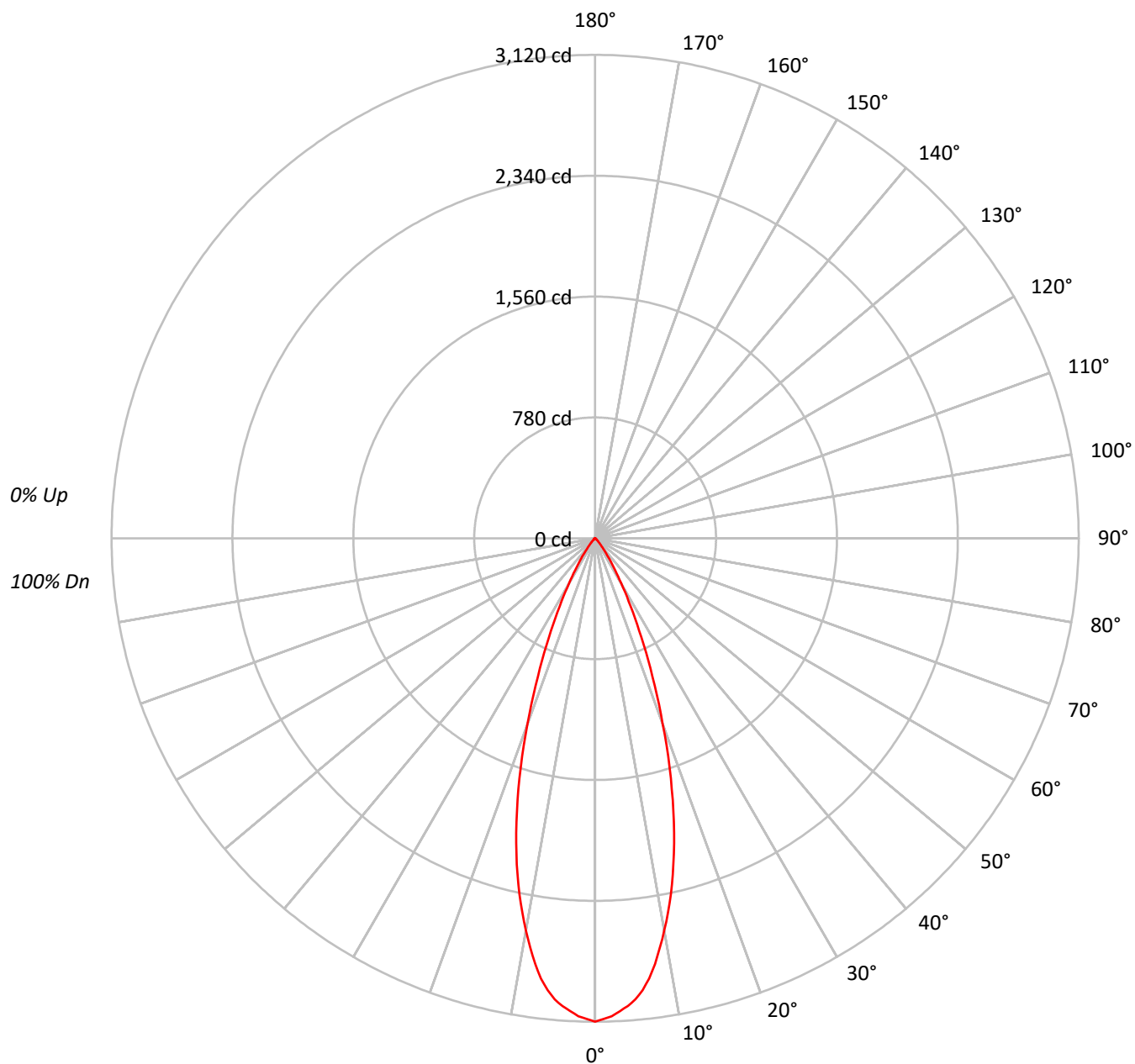
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	103			102	101	100			99
2	110	106	103	100		108	104	101	99		101	99	97			98	96	95			96
3	106	101	96	93		104	99	95	92		97	94	91			94	92	90			92
4	102	96	91	88		100	95	90	87		93	89	86			91	88	85			89
5	98	91	86	83		97	90	86	83		89	85	82			87	84	81			86
6	94	87	82	79		93	86	82	79		85	81	78			84	80	78			83
7	91	83	79	75		90	83	78	75		82	78	75			81	77	74			80
8	88	80	75	72		87	80	75	72		79	74	71			78	74	71			77
9	85	77	72	69		84	76	72	69		76	71	69			75	71	68			74
10	82	74	69	66		81	74	69	66		73	69	66			72	68	66			72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1208481
5°	1161305
10°	1010915
15°	789388
20°	524984
25°	300625
30°	149432
35°	68707
40°	27558
45°	12599
50°	5845
55°	3242
60°	1859
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	21.6
10°-20°	533.8	42.4
20°-30°	330.4	26.2
30°-40°	98.9	7.8
40°-50°	19.8	1.6
50°-60°	4.8	0.4
60°-70°	0.3	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°	1136.0	90.2
0°-40°	1234.9	98.0
0°-60°	1259.5	100.0
0°-90°	1259.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1259.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3120	
5°	2987	272
15°	1968	534
25°	703	330
35°	145	99
45°	23	20
55°	5	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3119.9
1°	3102.9
2°	3087.2
3°	3055.7
4°	3026.7
5°	2986.7
6°	2932.2
7°	2863.2
8°	2774.8
9°	2674.4
10°	2570.2
11°	2462.5
12°	2347.5
13°	2227.6
14°	2099.3
15°	1968.5
17.5°	1623.5
20°	1273.6
22.5°	963.7
25°	703.4
27.5°	494.0
30°	334.1
32.5°	220.3
35°	145.3
37.5°	90.8
40°	54.5
42.5°	35.1
45°	23.0
47.5°	14.5
50°	9.7
52.5°	7.3
55°	4.8
57.5°	3.6
60°	2.4
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)