

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: P225499

Luminaire Tested: **LSR2B20FL409730D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL409730D010 2LBDL*H
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1288.8 lumens
Efficiency: N/A
Efficacy: 61.7 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

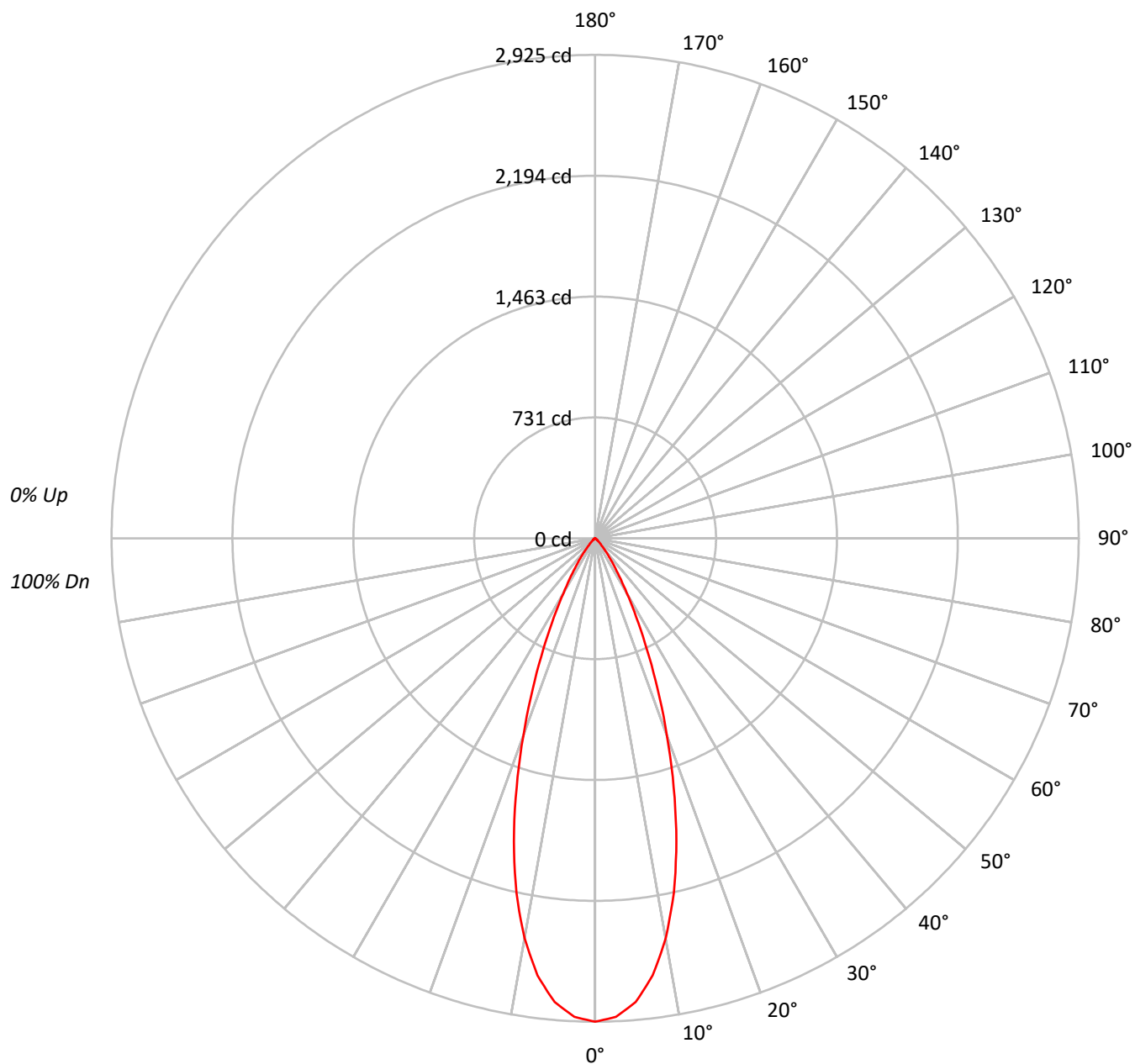
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	105	102	99		108	104	101	98		101	98	96			98	96	94			90
3	105	100	96	92		103	98	95	91		96	93	90			94	91	89			86
4	101	95	90	86		99	94	89	86		91	88	85			90	86	84			82
5	97	90	85	81		96	89	84	81		87	83	80			86	82	80			78
6	93	86	81	77		92	85	80	77		84	79	76			82	79	76			74
7	90	82	77	73		88	81	76	73		80	76	73			79	75	72			71
8	86	78	73	70		85	78	73	70		77	72	69			76	72	69			68
9	83	75	70	67		82	75	70	67		74	69	66			73	69	66			65
10	80	72	67	64		79	72	67	64		71	67	64			70	66	64			62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1132910
5°	1095205
10°	966312
15°	761318
20°	523171
25°	315926
30°	171259
35°	88000
40°	43030
45°	20378
50°	10666
55°	7158
60°	4106
65°	1650
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	20.0
10°-20°	516.8	40.1
20°-30°	345.3	26.8
30°-40°	125.0	9.7
40°-50°	32.3	2.5
50°-60°	9.6	0.7
60°-70°	2.4	0.2
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°	1119.5	86.9
0°-40°	1244.5	96.6
0°-60°	1286.4	99.8
0°-90°	1288.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1288.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2925	
5°	2817	257
15°	1898	517
25°	739	345
35°	186	125
45°	37	32
55°	11	10
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2924.8
2.5°	2898.2
5°	2816.7
7.5°	2667.8
10°	2456.8
12.5°	2198.0
15°	1898.5
17.5°	1579.4
20°	1269.2
22.5°	983.8
25°	739.2
27.5°	538.9
30°	382.9
32.5°	269.4
35°	186.1
37.5°	129.4
40°	85.1
42.5°	55.0
45°	37.2
47.5°	26.6
50°	17.7
52.5°	14.2
55°	10.6
57.5°	7.1
60°	5.3
62.5°	3.5
65°	1.8
67.5°	1.8
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)