

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: P224952

Luminaire Tested: **LSR2B20FL408027D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224952
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: LSR2B20FL408027D010 2LBD*H
Description: 2000 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: 1819.4 lumens
Efficiency: N/A
Efficacy: 87.1 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

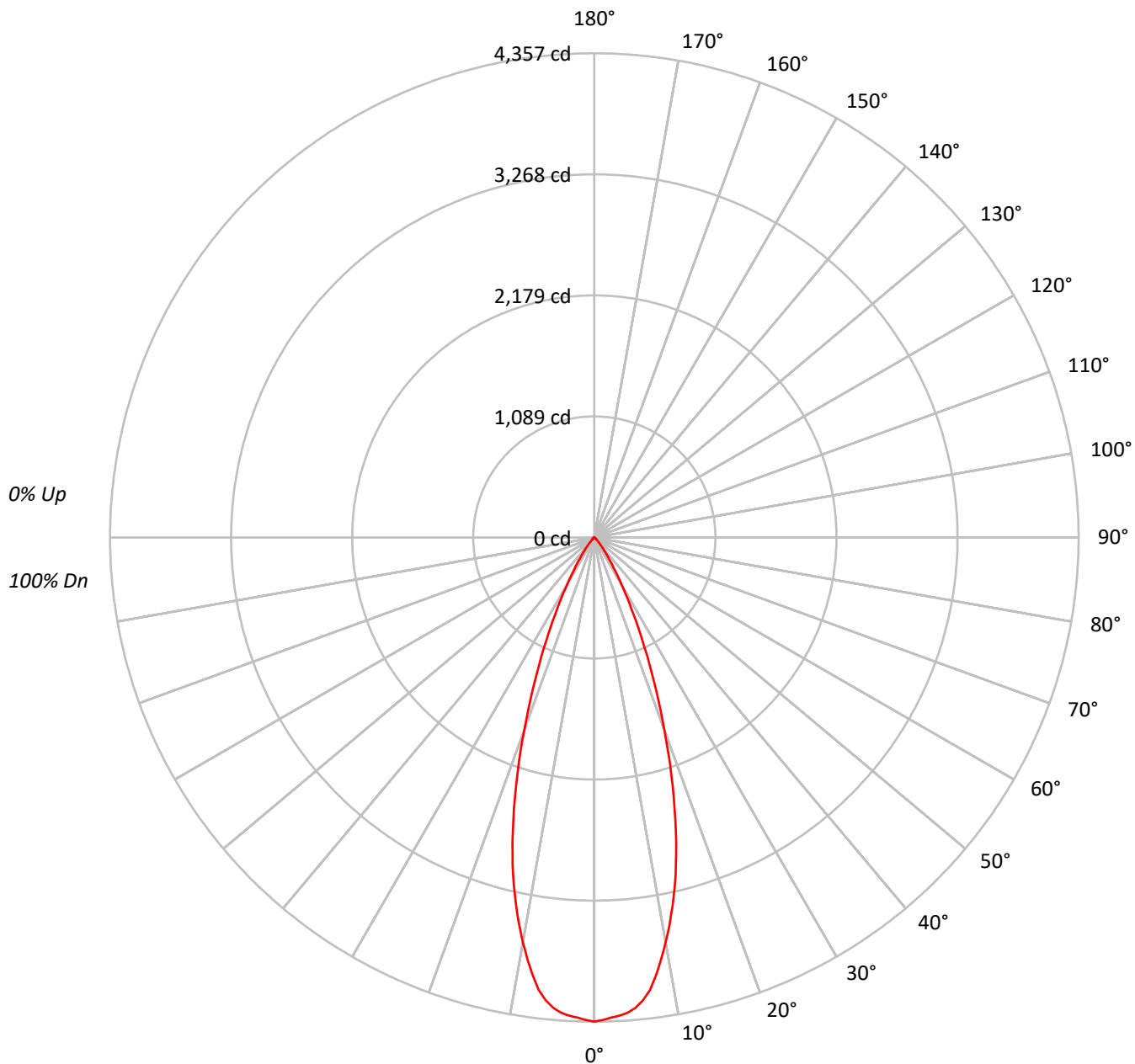
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1687550
5°	1652237
10°	1455132
15°	1141636
20°	758127
25°	435210
30°	218267
35°	100814
40°	40957
45°	18351
50°	9581
55°	5943
60°	2711
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.1	21.3
10°-20°	770.6	42.4
20°-30°	478.8	26.3
30°-40°	144.4	7.9
40°-50°	29.5	1.6
50°-60°	7.6	0.4
60°-70°	0.4	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°	1637.4	90.0
0°-40°	1781.9	97.9
0°-60°	1819.0	100.0
0°-90°	1819.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1819.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4357	
5°	4249	388
15°	2847	771
25°	1018	479
35°	213	144
45°	34	30
55°	9	8
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4356.7
1°	4342.6
2°	4323.3
3°	4309.2
4°	4288.0
5°	4249.3
6°	4187.6
7°	4103.0
8°	3981.5
9°	3844.1
10°	3699.6
11°	3546.3
12°	3386.0
13°	3218.7
14°	3035.4
15°	2846.9
17.5°	2341.3
20°	1839.2
22.5°	1395.3
25°	1018.3
27.5°	718.8
30°	488.0
32.5°	320.6
35°	213.2
37.5°	132.1
40°	81.0
42.5°	52.9
45°	33.5
47.5°	21.1
50°	15.9
52.5°	10.6
55°	8.8
57.5°	5.3
60°	3.5
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)