

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: P225522

Luminaire Tested: **LSR2B20FL408027D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225522
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: LSR2B20FL408027D010 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: 1708.0 lumens
Efficiency: N/A
Efficacy: 81.7 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

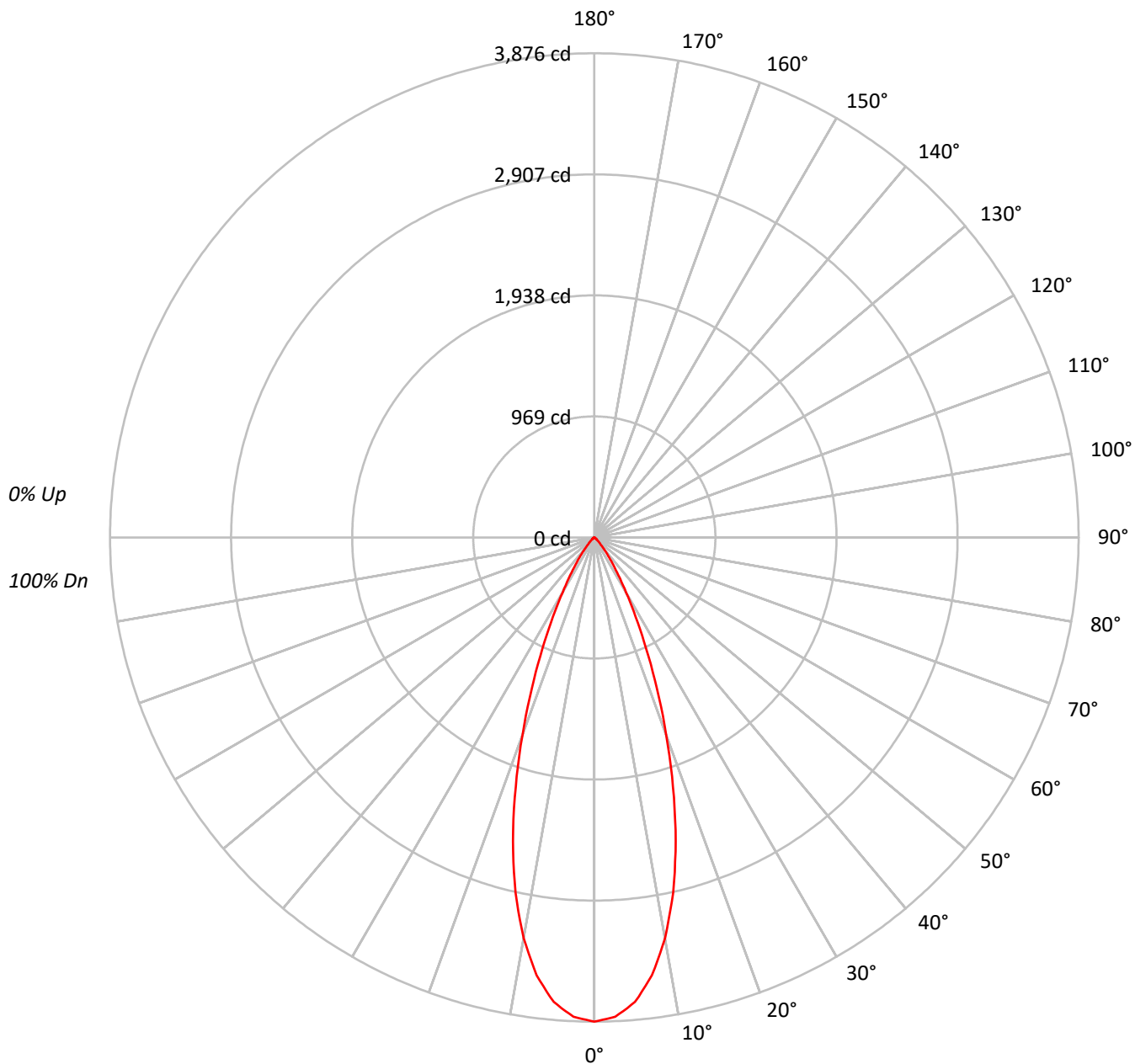
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1501392
5°	1451408
10°	1280655
15°	1008941
20°	693329
25°	418670
30°	226944
35°	116655
40°	57037
45°	27006
50°	14161
55°	9522
60°	5423
65°	2108
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.0	20.0
10°-20°	684.9	40.1
20°-30°	457.6	26.8
30°-40°	165.7	9.7
40°-50°	42.8	2.5
50°-60°	12.8	0.7
60°-70°	3.1	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°	1483.6	86.9
0°-40°	1649.3	96.6
0°-60°	1704.8	99.8
0°-90°	1708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1708.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3876	
5°	3733	341
15°	2516	685
25°	980	458
35°	247	166
45°	49	43
55°	14	13
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3876.1
2.5°	3840.9
5°	3732.8
7.5°	3535.5
10°	3256.0
12.5°	2913.0
15°	2516.0
17.5°	2093.1
20°	1682.0
22.5°	1303.8
25°	979.6
27.5°	714.1
30°	507.4
32.5°	357.1
35°	246.7
37.5°	171.5
40°	112.8
42.5°	72.8
45°	49.3
47.5°	35.2
50°	23.5
52.5°	18.8
55°	14.1
57.5°	9.4
60°	7.0
62.5°	4.7
65°	2.3
67.5°	2.3
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)