

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: P225372

Luminaire Tested: **LSR2B20FL409035D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL409035D010 2LBDC*MW
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1359.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

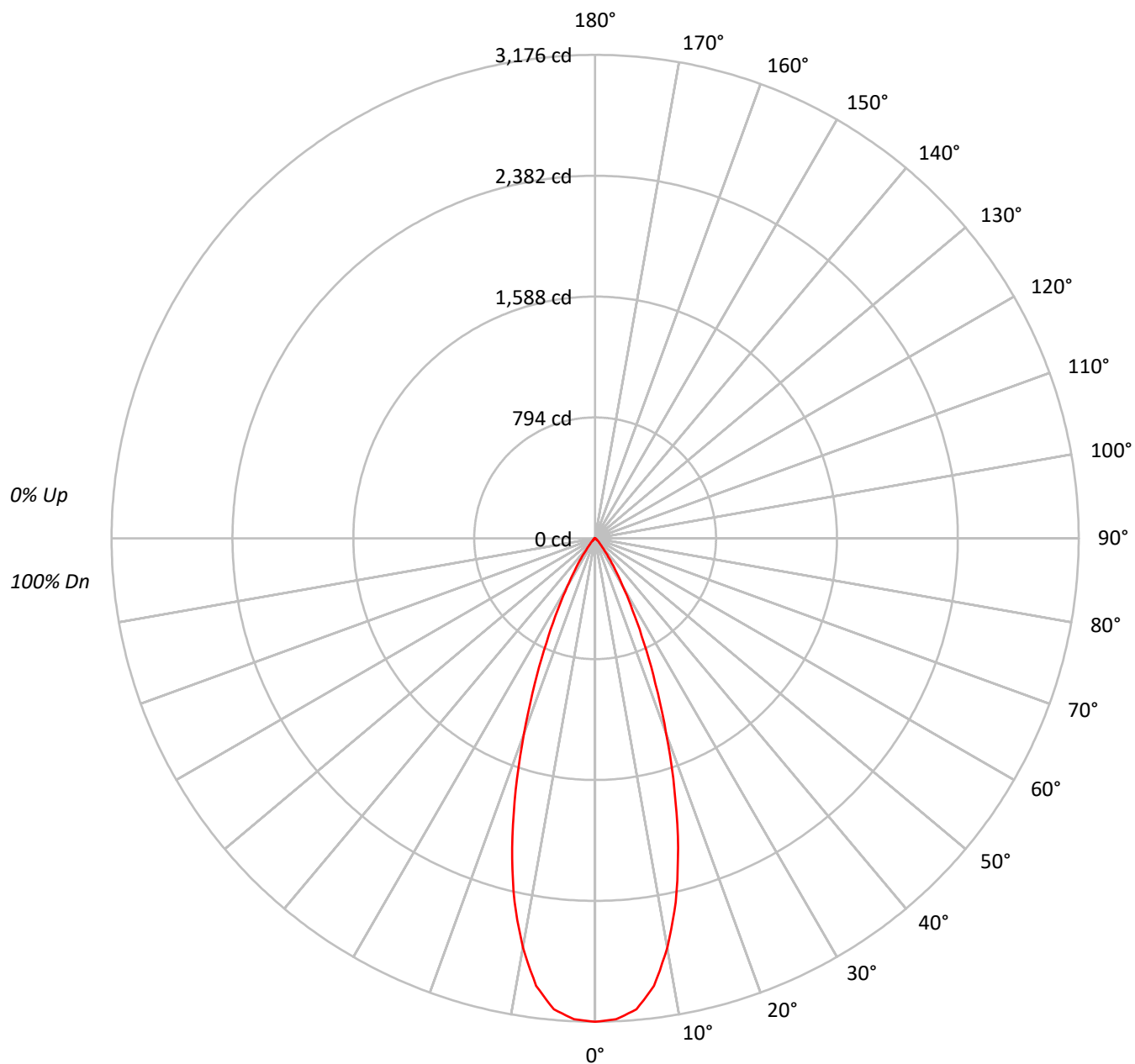
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	102	99		108	104	101	98		101	98	96			98	96	94			91
3	105	100	96	93		104	99	95	92		96	93	90			94	91	89			86
4	101	95	90	87		100	94	90	86		92	88	85			90	87	85			82
5	98	91	86	82		96	90	85	82		88	84	81			86	83	80			79
6	94	87	82	78		93	86	81	78		84	80	77			83	80	77			75
7	90	83	78	74		89	82	77	74		81	77	74			80	76	73			72
8	87	79	74	71		86	79	74	71		78	74	71			77	73	70			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	67			66
10	81	73	68	65		80	73	68	65		72	68	65			71	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1230405
5°	1208003
10°	1073846
15°	844527
20°	562000
25°	322636
30°	162985
35°	76651
40°	30844
45°	15283
50°	8376
55°	5875
60°	5423
65°	3208
70°	3964
75°	2544
80°	3792
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.5	20.9
10°-20°	570.5	42.0
20°-30°	354.9	26.1
30°-40°	109.1	8.0
40°-50°	24.0	1.8
50°-60°	8.5	0.6
60°-70°	4.3	0.3
70°-80°	2.5	0.2
80°-90°	0.7	0.1
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°	1209.9	89.0
0°-40°	1319.0	97.1
0°-60°	1351.5	99.4
0°-90°	1359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1359.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3176	
5°	3107	285
15°	2106	570
25°	755	355
35°	162	109
45°	28	24
55°	9	9
65°	4	4
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3176.5
2.5°	3162.6
5°	3106.8
7.5°	2965.6
10°	2730.2
12.5°	2447.8
15°	2106.0
17.5°	1733.0
20°	1363.4
22.5°	1033.8
25°	754.9
27.5°	531.7
30°	364.4
32.5°	245.8
35°	162.1
37.5°	97.6
40°	61.0
42.5°	41.8
45°	27.9
47.5°	19.2
50°	13.9
52.5°	12.2
55°	8.7
57.5°	7.0
60°	7.0
62.5°	5.2
65°	3.5
67.5°	3.5
70°	3.5
72.5°	3.5
75°	1.7
77.5°	1.7
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)