

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: P224928

Luminaire Tested: **LSR2WM2B20FL409030D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224928
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: LSR2WM2B20FL409030D010 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: 1497.2 lumens
Efficiency: N/A
Efficacy: 71.6 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

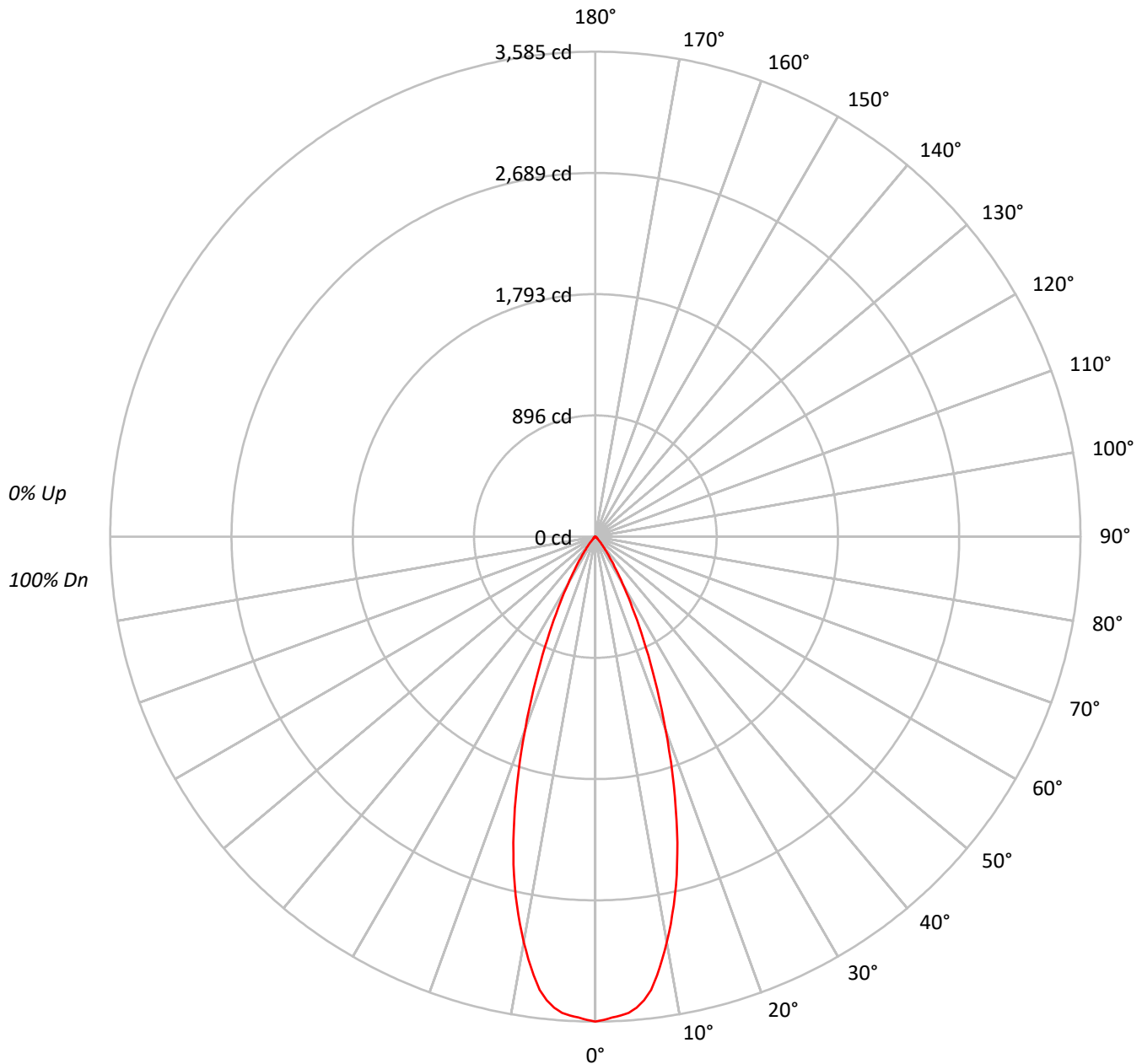
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	103	100		108	104	101	99		101	99	97			98	96	94			91
3	106	100	96	93		104	99	95	92		97	94	91			94	92	90			87
4	102	96	91	88		100	94	90	87		92	89	86			91	88	85			83
5	98	91	86	83		96	90	86	82		89	85	82			87	84	81			79
6	94	87	82	79		93	86	82	78		85	81	78			84	80	77			76
7	91	83	78	75		90	83	78	75		82	77	74			80	77	74			73
8	88	80	75	72		87	79	75	72		78	74	71			77	74	71			70
9	85	77	72	69		84	76	72	69		75	71	68			75	71	68			67
10	82	74	69	66		81	73	69	66		73	69	66			72	68	66			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1388713
5°	1359645
10°	1197428
15°	939486
20°	623872
25°	358109
30°	179623
35°	82940
40°	33726
45°	15064
50°	7834
55°	4862
60°	2247
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.4	21.3
10°-20°	634.1	42.4
20°-30°	394.0	26.3
30°-40°	118.8	7.9
40°-50°	24.3	1.6
50°-60°	6.2	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°	1347.5	90.0
0°-40°	1466.3	97.9
0°-60°	1496.8	100.0
0°-90°	1497.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1497.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3585	
5°	3497	319
15°	2343	634
25°	838	394
35°	175	119
45°	28	24
55°	7	6
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3585.2
1°	3573.6
2°	3557.7
3°	3546.1
4°	3528.7
5°	3496.8
6°	3446.0
7°	3376.4
8°	3276.4
9°	3163.3
10°	3044.4
11°	2918.3
12°	2786.4
13°	2648.7
14°	2497.9
15°	2342.8
17.5°	1926.7
20°	1513.5
22.5°	1148.2
25°	837.9
27.5°	591.5
30°	401.6
32.5°	263.9
35°	175.4
37.5°	108.7
40°	66.7
42.5°	43.5
45°	27.5
47.5°	17.4
50°	13.0
52.5°	8.7
55°	7.2
57.5°	4.3
60°	2.9
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)