

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: P225473

Luminaire Tested: **LSR2B20FL409030D010 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL409030D010 2LBDLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1371.2 lumens
Efficiency: N/A
Efficacy: 65.6 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

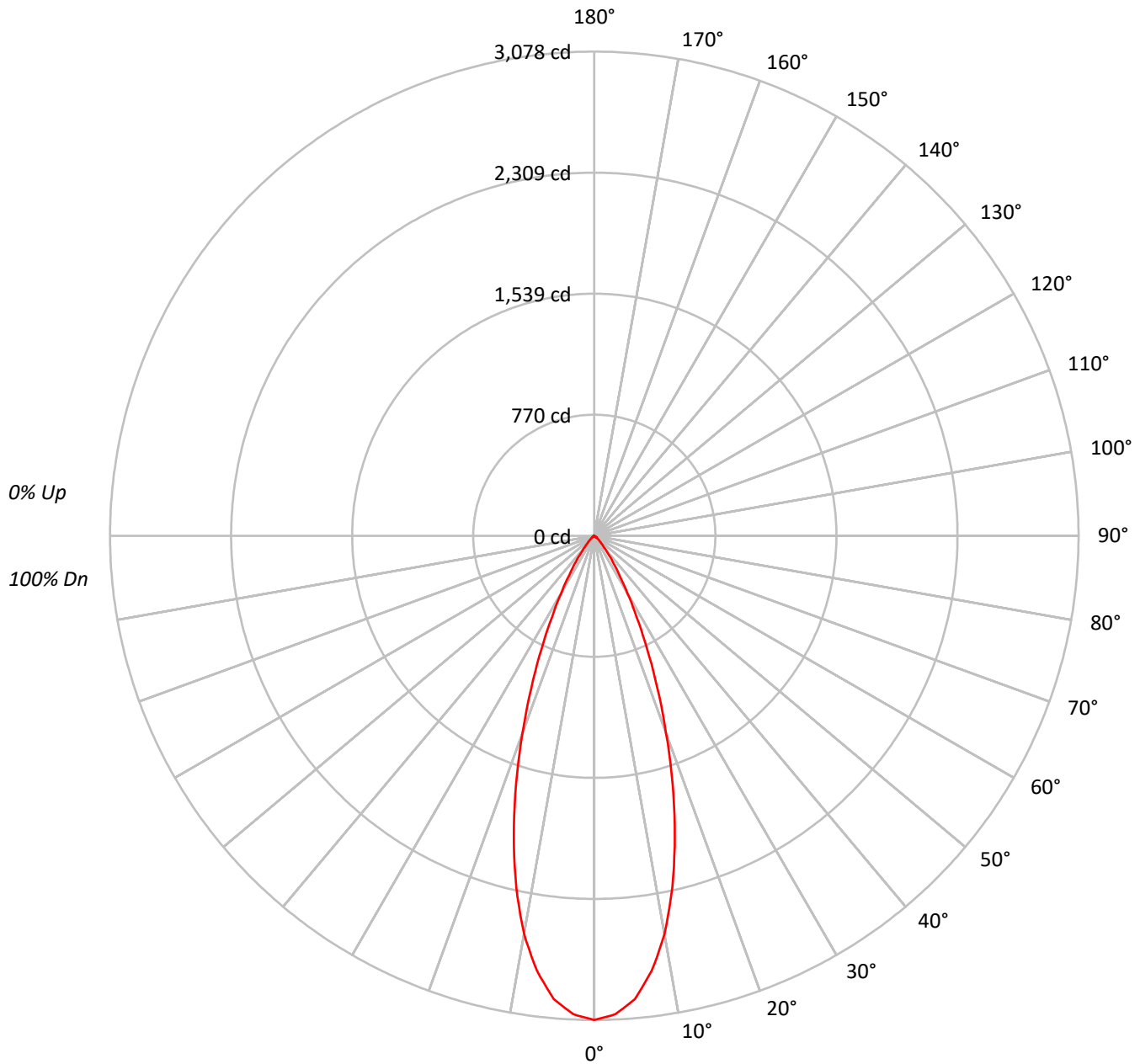
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	105	102	99		107	104	101	98		101	98	96		98	96	94		95	93	92
3	105	100	95	92		103	98	94	91		96	92	90		93	91	88		91	89	87
4	101	94	90	86		99	93	89	86		91	87	85		89	86	84		88	85	83
5	97	90	85	81		95	89	84	81		87	83	80		85	82	79		84	81	79
6	93	85	80	77		92	85	80	76		83	79	76		82	78	75		81	77	75
7	89	81	76	73		88	81	76	73		80	75	72		79	75	72		78	74	72
8	86	78	73	69		85	77	73	69		76	72	69		75	72	69		75	71	68
9	83	75	70	66		82	74	69	66		73	69	66		72	69	66		72	68	65
10	80	72	67	63		79	71	66	63		70	66	63		70	66	63		69	65	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1192328
5°	1149641
10°	1011111
15°	792476
20°	548933
25°	338193
30°	188166
35°	100389
40°	49755
45°	25363
50°	13980
55°	9117
60°	4493
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.7	19.7
10°-20°	539.8	39.4
20°-30°	368.8	26.9
30°-40°	140.6	10.3
40°-50°	39.0	2.8
50°-60°	12.2	0.9
60°-70°	1.2	0.1
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°	1178.2	85.9
0°-40°	1318.8	96.2
0°-60°	1370.0	99.9
0°-90°	1371.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1371.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3078	
5°	2957	270
15°	1976	540
25°	791	369
35°	212	141
45°	46	39
55°	14	12
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3078.2
2.5°	3045.4
5°	2956.7
7.5°	2790.7
10°	2570.7
12.5°	2290.8
15°	1976.2
17.5°	1653.9
20°	1331.7
22.5°	1046.0
25°	791.3
27.5°	580.9
30°	420.7
32.5°	299.1
35°	212.3
37.5°	148.6
40°	98.4
42.5°	65.6
45°	46.3
47.5°	32.8
50°	23.2
52.5°	17.4
55°	13.5
57.5°	9.6
60°	5.8
62.5°	1.9
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)