

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: P225157

Luminaire Tested: **LSR2B20FL409027D010 2LBD*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL409027D010 2LBD*GPH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1451.3 lumens
Efficiency: N/A
Efficacy: 69.4 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

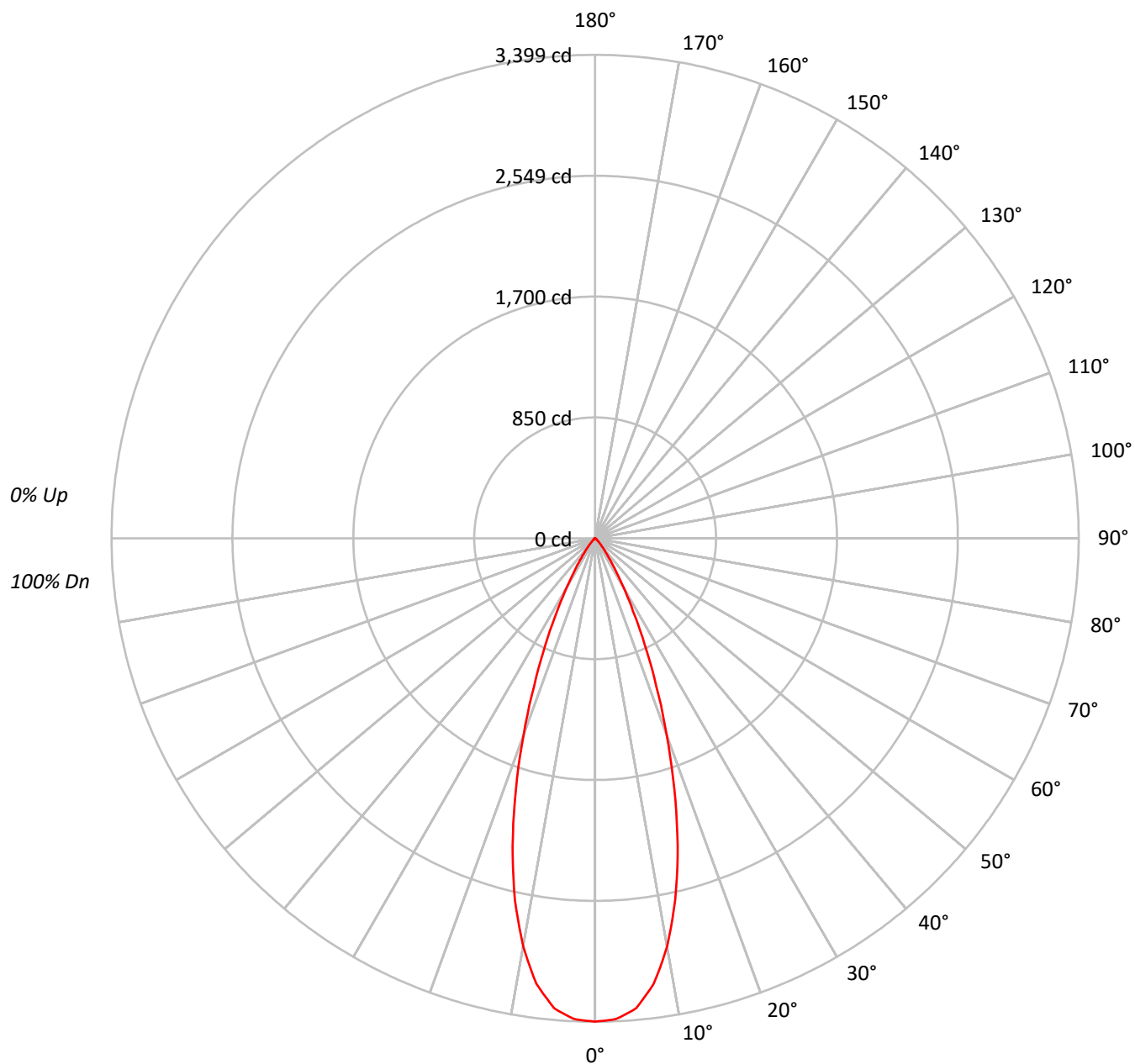
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1316473
5°	1289851
10°	1146139
15°	899225
20°	604787
25°	351869
30°	176269
35°	82231
40°	38378
45°	16215
50°	7834
55°	4997
60°	2866
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	20.9
10°-20°	608.7	41.9
20°-30°	384.9	26.5
30°-40°	119.7	8.3
40°-50°	26.6	1.8
50°-60°	6.8	0.5
60°-70°	0.9	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°	1297.2	89.4
0°-40°	1416.9	97.6
0°-60°	1450.4	99.9
0°-90°	1451.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1451.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3399	
5°	3317	304
15°	2242	609
25°	823	385
35°	174	120
45°	30	27
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3398.7
2.5°	3383.9
5°	3317.3
7.5°	3160.0
10°	2914.0
12.5°	2603.1
15°	2242.4
17.5°	1852.0
20°	1467.2
22.5°	1121.2
25°	823.3
27.5°	577.2
30°	394.1
32.5°	260.9
35°	173.9
37.5°	116.6
40°	75.9
42.5°	46.3
45°	29.6
47.5°	20.4
50°	13.0
52.5°	9.3
55°	7.4
57.5°	5.6
60°	3.7
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)