

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: P224883

Luminaire Tested: **LSR2B20FL408050D010 2LBD*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14834)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL408050D010 2LBD*B
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1911.5 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

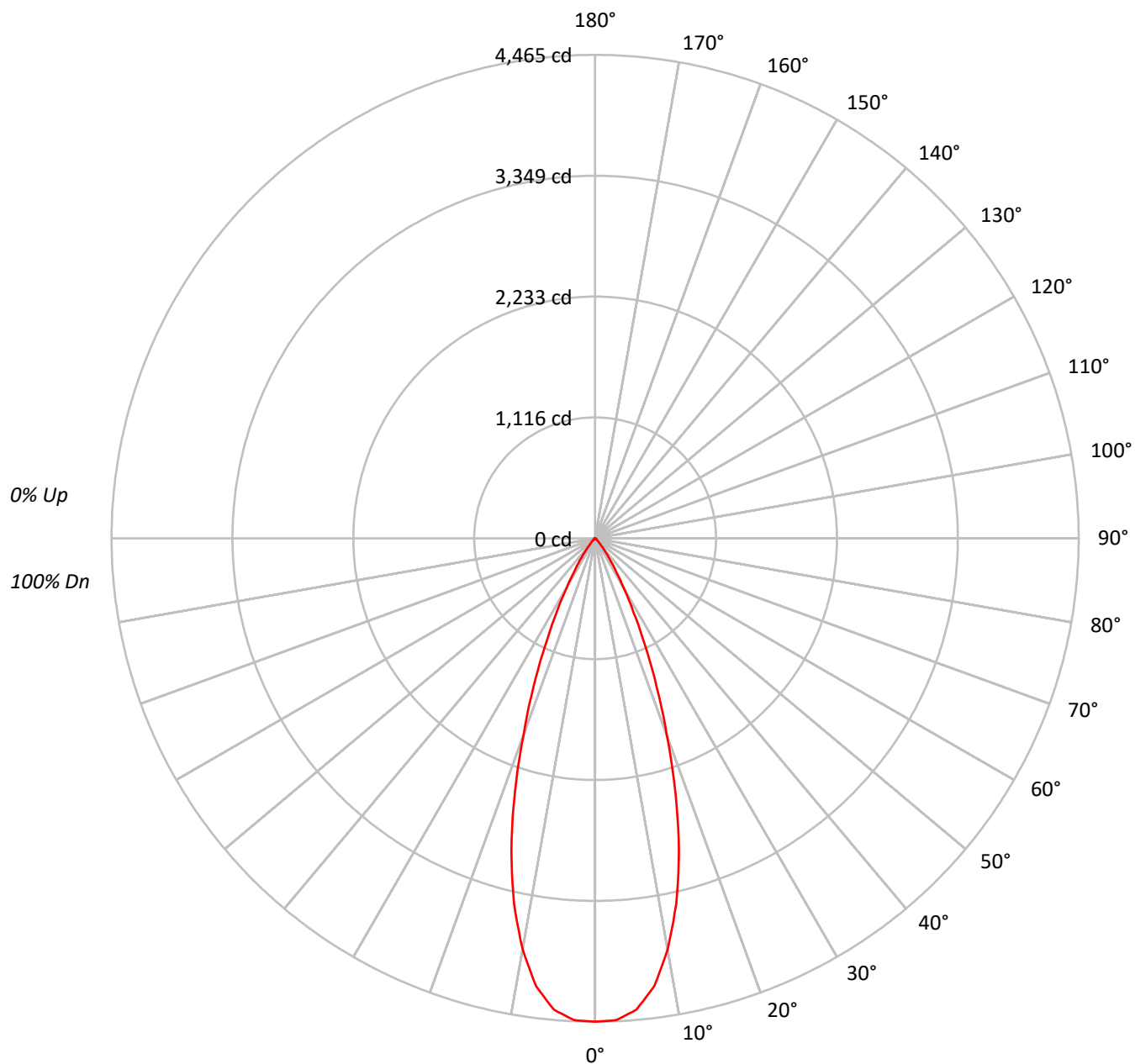
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	103	100		108	104	101	99		101	99	96		98	96	94		96	94	92
3	106	100	96	93		104	99	95	92		97	93	91		94	92	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		89	86	84
5	98	91	86	83		96	90	86	82		88	85	82		87	84	81		85	83	80
6	94	87	82	79		93	86	82	78		85	81	78		84	80	77		82	79	77
7	91	83	78	75		90	83	78	75		81	77	74		80	77	74		79	76	74
8	87	80	75	72		86	79	75	71		78	74	71		77	74	71		76	73	71
9	84	77	72	69		83	76	72	68		75	71	68		74	71	68		74	70	68
10	82	74	69	66		81	73	69	66		73	68	65		72	68	65		71	68	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1729500
5°	1699440
10°	1516057
15°	1198338
20°	799018
25°	463546
30°	231998
35°	109137
40°	42676
45°	19008
50°	8979
55°	4997
60°	1937
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.6	21.0
10°-20°	808.9	42.3
20°-30°	508.8	26.6
30°-40°	155.6	8.1
40°-50°	30.5	1.6
50°-60°	6.9	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°	1718.3	89.9
0°-40°	1873.8	98.0
0°-60°	1911.2	100.0
0°-90°	1911.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1911.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4465	
5°	4371	401
15°	2988	809
25°	1085	509
35°	231	156
45°	35	31
55°	7	7
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4465.0
2.5°	4455.1
5°	4370.7
7.5°	4172.2
10°	3854.5
12.5°	3457.4
15°	2988.3
17.5°	2467.1
20°	1938.4
22.5°	1486.7
25°	1084.6
27.5°	764.4
30°	518.7
32.5°	350.0
35°	230.8
37.5°	141.5
40°	84.4
42.5°	54.6
45°	34.7
47.5°	22.3
50°	14.9
52.5°	9.9
55°	7.4
57.5°	5.0
60°	2.5
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)