

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: P223532

Luminaire Tested: **LSR2B10NFL258027D010 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10NFL258027D010 2LBDL*GPH
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 937.9 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

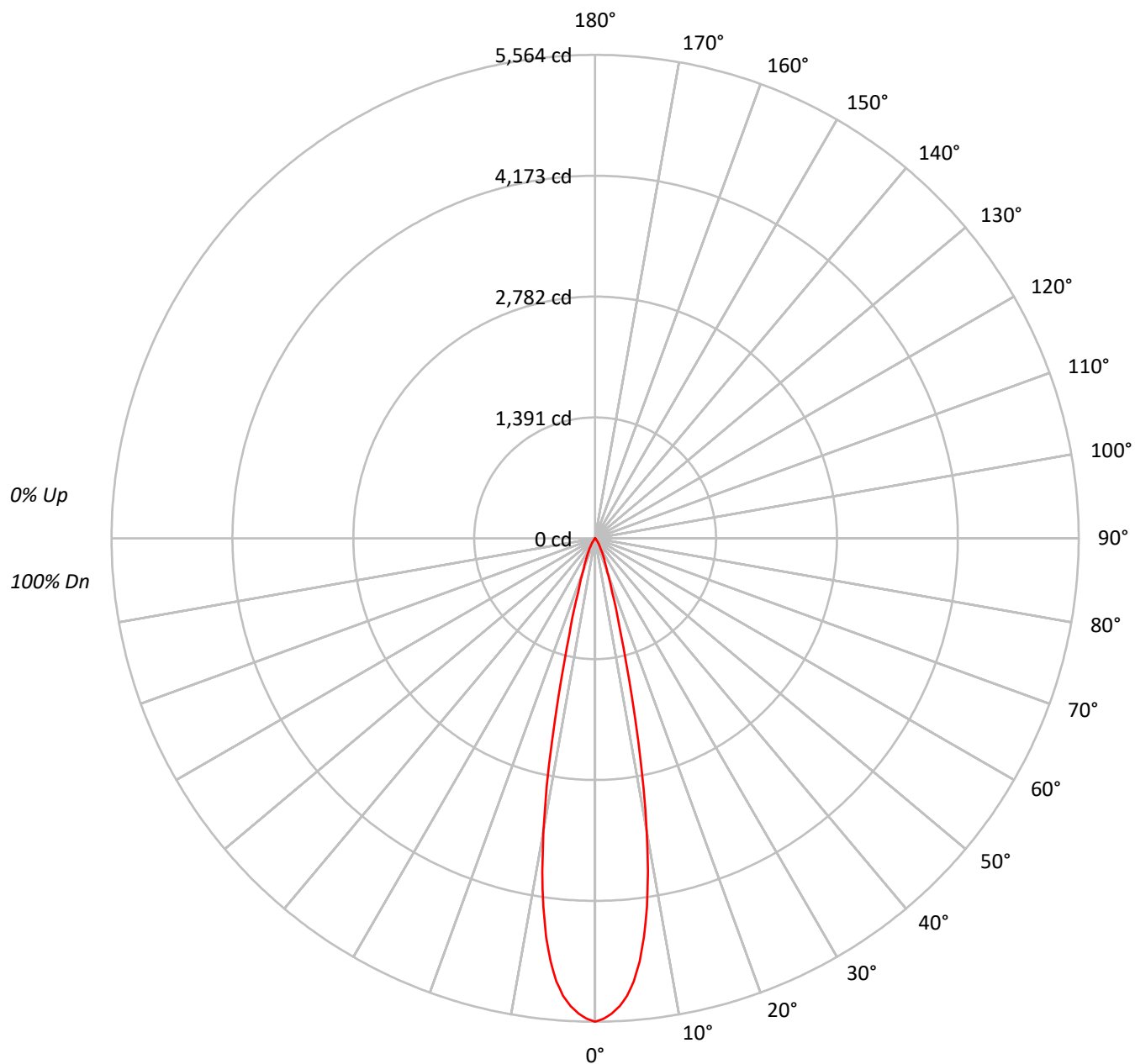
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P223532

CATALOG NUMBER: LSR2B10NFL258027D010 2LBDL*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P223532

CATALOG NUMBER: LSR2B10NFL258027D010 2LBDL*GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	115	113	112	110	113	111	110	108		107	106	105			104	103	102			97
2	112	109	106	104	110	107	104	102		104	102	100			101	99	98			95
3	109	105	101	99	107	103	100	98		101	98	96			99	97	95			92
4	106	101	97	95	104	100	97	94		98	95	93			96	94	92			90
5	103	98	94	91	102	97	94	91		95	92	90			94	91	89			88
6	101	95	91	89	99	94	91	88		93	90	88			92	89	87			86
7	98	92	89	86	97	92	88	86		91	88	85			90	87	85			84
8	96	90	86	84	95	90	86	84		89	86	83			88	85	83			82
9	94	88	84	82	93	88	84	82		87	84	82			86	83	81			80
10	92	86	82	80	91	86	82	80		85	82	80			84	82	80			79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2155271
5°	1990009
10°	1346969
15°	458274
20°	168303
25°	89239
30°	45845
35°	21421
40°	7028
45°	3561
50°	1687
55°	608
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P223532

CATALOG NUMBER: LSR2B10NFL258027D010 2LBDL*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.4	46.4
10°-20°	366.0	39.0
20°-30°	100.5	10.7
30°-40°	29.3	3.1
40°-50°	5.4	0.6
50°-60°	1.2	0.1
60°-70°	0.1	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°	901.8	96.2
0°-40°	931.2	99.3
0°-60°	937.8	100.0
0°-90°	937.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	937.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5564	
5°	5118	435
15°	1143	366
25°	209	100
35°	45	29
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P223532

CATALOG NUMBER: LSR2B10NFL258027D010 2LBDL*GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	5564.2
1°	5531.9
2°	5474.6
3°	5392.4
4°	5279.7
5°	5118.0
6°	4897.2
7°	4621.0
8°	4283.8
9°	3885.6
10°	3424.6
11°	2919.3
12°	2393.6
13°	1892.0
14°	1464.3
15°	1142.8
17.5°	644.8
20°	408.3
22.5°	291.0
25°	208.8
27.5°	147.8
30°	102.5
32.5°	72.1
35°	45.3
37.5°	18.5
40°	13.9
42.5°	10.2
45°	6.5
47.5°	3.7
50°	2.8
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
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



TEST NUMBER: P223532

CATALOG NUMBER: LSR2B10NFL258027D010 2LBDL*GPH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)