

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: P224501

Luminaire Tested: **LSR2B10FL409030D2WD010 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224501
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: LSR2B10FL409030D2WD010 2LBDL*WMH
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 586.7 lumens
Efficiency: N/A
Efficacy: 57.0 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

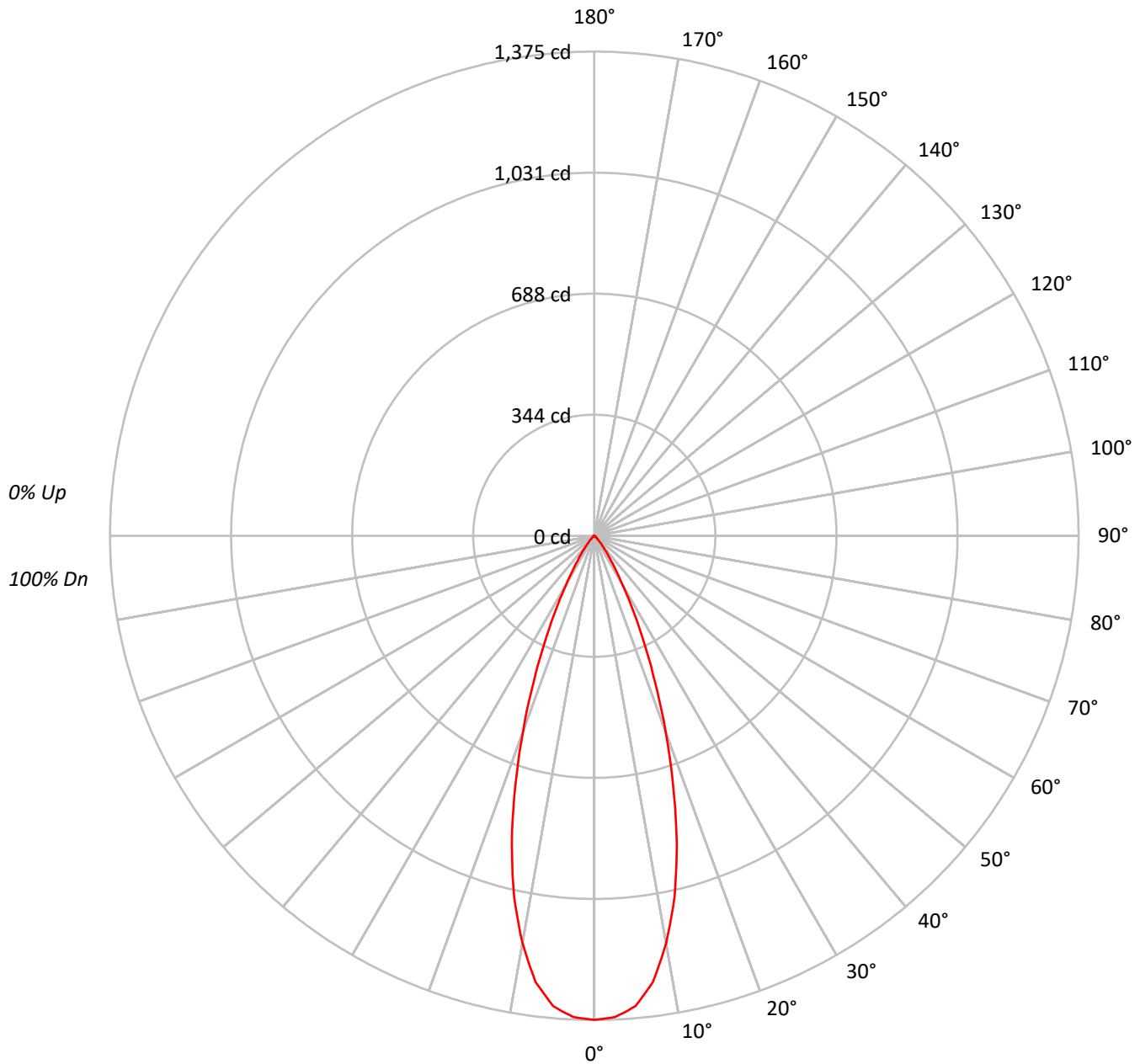
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224501

CATALOG NUMBER: LSR2B10FL409030D2WD010 2LBDL*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P224501

CATALOG NUMBER: LSR2B10FL409030D2WD010 2LBDL*WMH

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	102	100		108	104	101	98		101	98	96			98	96	94			91
3	106	100	96	93		104	99	95	92		96	93	91			94	91	89			87
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			83
5	98	91	86	82		96	90	85	82		88	84	81			87	83	81			79
6	94	87	82	78		93	86	81	78		85	81	77			83	80	77			75
7	91	83	78	75		89	82	78	74		81	77	74			80	76	74			72
8	87	79	75	71		86	79	74	71		78	74	71			77	73	71			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	68			66
10	81	73	69	65		80	73	68	65		72	68	65			72	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	532446
5°	521454
10°	461956
15°	362994
20°	244067
25°	141765
30°	70847
35°	33431
40°	15776
45°	6957
50°	3555
55°	2026
60°	1162
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224501

CATALOG NUMBER: LSR2B10FL409030D2WD010 2LBDL*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	20.9
10°-20°	245.5	41.8
20°-30°	155.2	26.5
30°-40°	48.5	8.3
40°-50°	11.3	1.9
50°-60°	2.9	0.5
60°-70°	0.5	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°	523.4	89.2
0°-40°	572.0	97.5
0°-60°	586.2	99.9
0°-90°	586.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1375	
5°	1341	123
15°	905	246
25°	332	155
35°	71	49
45°	13	11
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224501

CATALOG NUMBER: LSR2B10FL409030D2WD010 2LBDL*WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1374.6
2.5°	1367.9
5°	1341.1
7.5°	1277.9
10°	1174.5
12.5°	1051.7
15°	905.2
17.5°	745.3
20°	592.1
22.5°	450.8
25°	331.7
27.5°	234.3
30°	158.4
32.5°	105.6
35°	70.7
37.5°	47.6
40°	31.2
42.5°	19.3
45°	12.7
47.5°	9.0
50°	5.9
52.5°	4.4
55°	3.0
57.5°	2.2
60°	1.5
62.5°	1.5
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)