

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: P224614

Luminaire Tested: **LSR2B20FL409730D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL409730D010 2LBDLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1274.3 lumens
Efficiency: N/A
Efficacy: 61.0 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

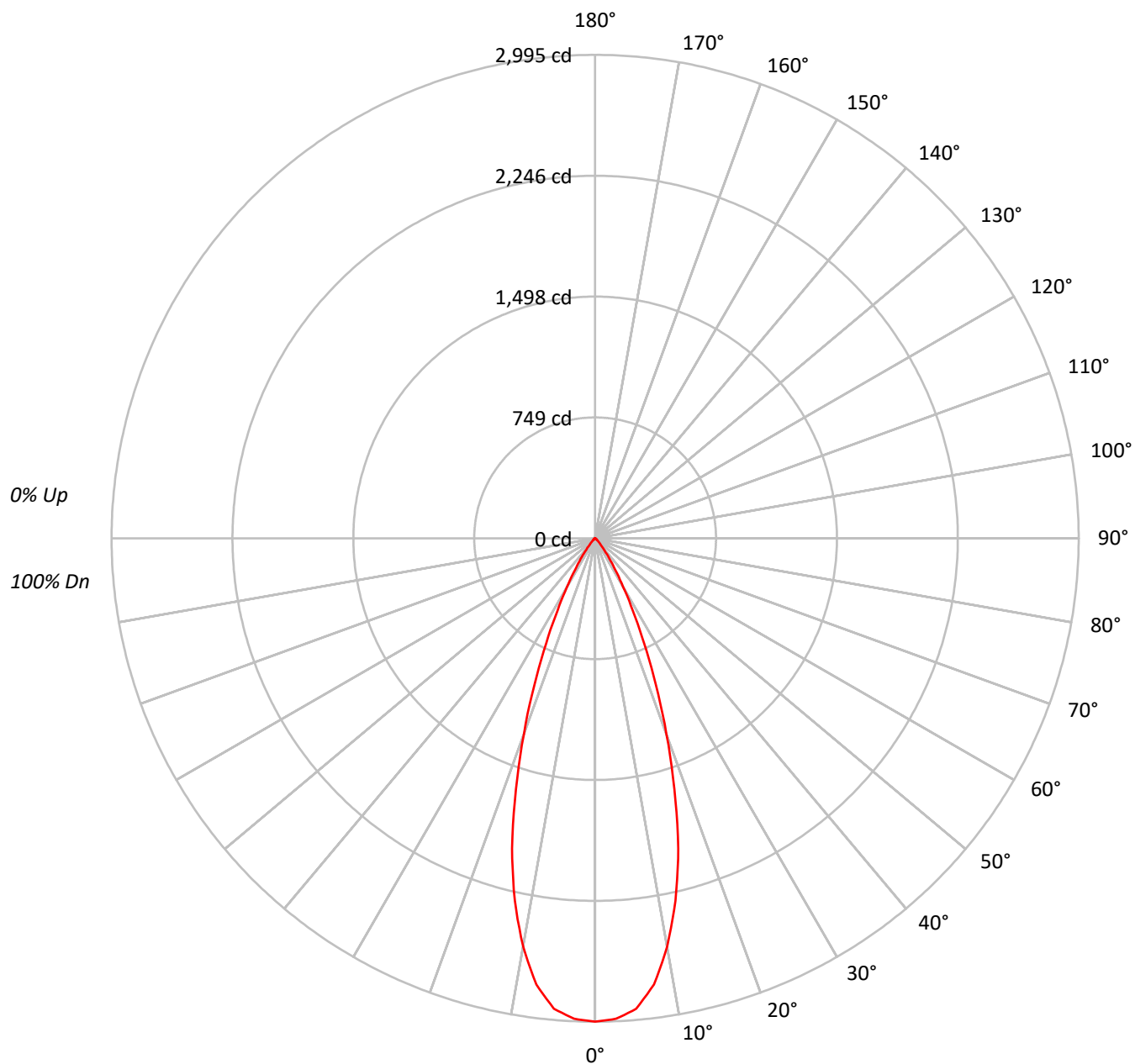
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224614

CATALOG NUMBER: LSR2B20FL409730D010 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P224614

CATALOG NUMBER: LSR2B20FL409730D010 2LBDLC*MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1159946
5°	1137665
10°	1010600
15°	797529
20°	531909
25°	306181
30°	155068
35°	72679
40°	29782
45°	13421
50°	6870
55°	4390
60°	2556
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224614

CATALOG NUMBER: LSR2B20FL409730D010 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.8	21.0
10°-20°	537.4	42.2
20°-30°	336.6	26.4
30°-40°	104.2	8.2
40°-50°	21.5	1.7
50°-60°	6.0	0.5
60°-70°	0.8	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°	1141.8	89.6
0°-40°	1246.0	97.8
0°-60°	1273.5	99.9
0°-90°	1274.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2995	
5°	2926	268
15°	1989	537
25°	716	337
35°	154	104
45°	24	22
55°	6	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224614

CATALOG NUMBER: LSR2B20FL409730D010 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	2994.6
2.5°	2979.9
5°	2925.9
7.5°	2788.5
10°	2569.4
12.5°	2299.5
15°	1988.8
17.5°	1630.6
20°	1290.4
22.5°	981.3
25°	716.4
27.5°	503.7
30°	346.7
32.5°	232.2
35°	153.7
37.5°	96.5
40°	58.9
42.5°	37.6
45°	24.5
47.5°	16.4
50°	11.4
52.5°	8.2
55°	6.5
57.5°	4.9
60°	3.3
62.5°	1.6
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)