

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: P224443

Luminaire Tested: **LSR2B05FL409040D010 2LBDL*WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224443
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: LSR2B05FL409040D010 2LBDL*WH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 630.9 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

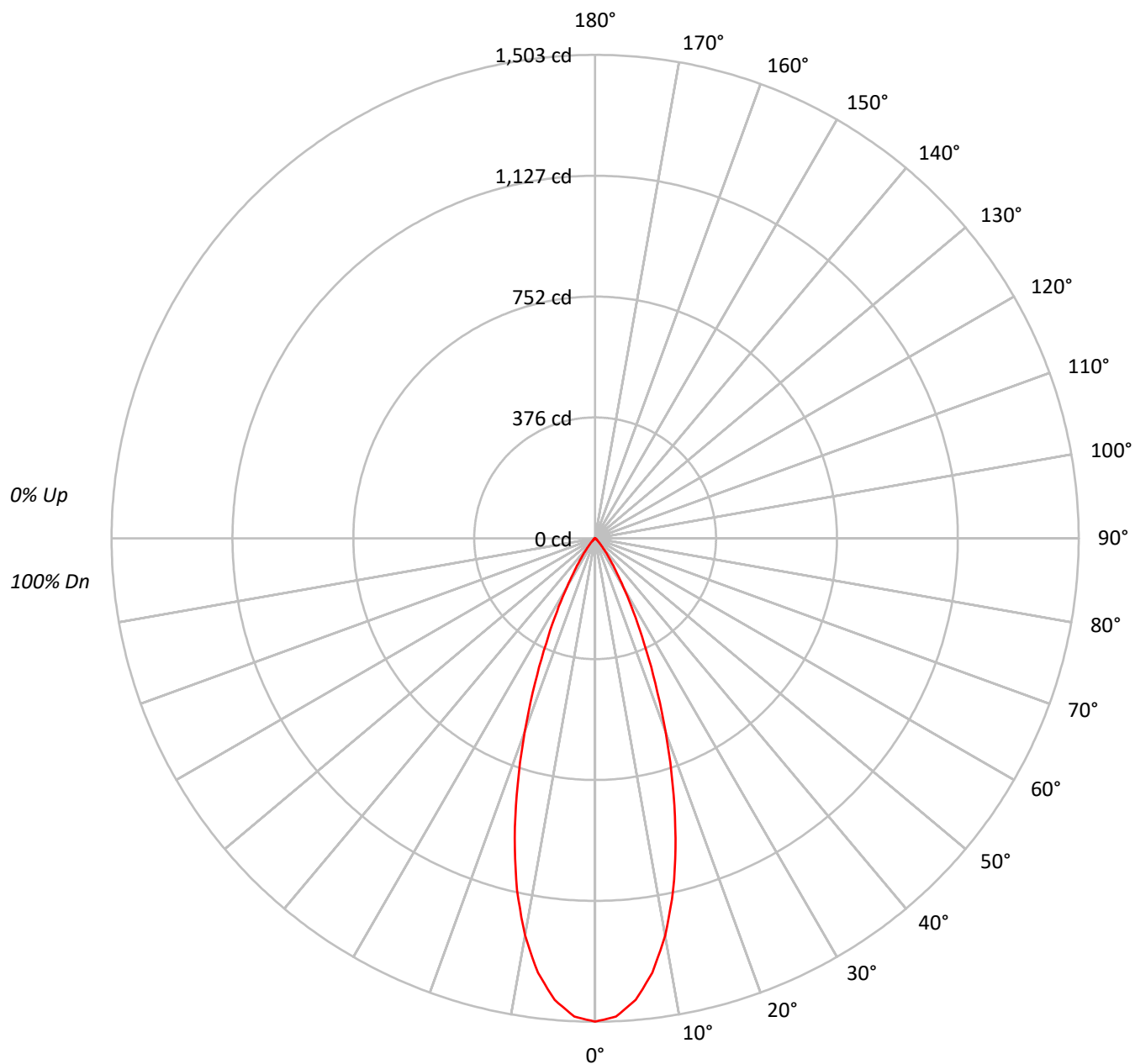
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224443

CATALOG NUMBER: LSR2B05FL409040D010 2LBDL*WH

Luminous Intensity Polar Plot





TEST NUMBER: P224443

CATALOG NUMBER: LSR2B05FL409040D010 2LBDL*WH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	582104
5°	560103
10°	492989
15°	387215
20°	263275
25°	153732
30°	78317
35°	37025
40°	16181
45°	7012
50°	3375
55°	2161
60°	1240
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224443

CATALOG NUMBER: LSR2B05FL409040D010 2LBDL*WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	20.9
10°-20°	262.6	41.6
20°-30°	168.5	26.7
30°-40°	53.5	8.5
40°-50°	11.4	1.8
50°-60°	2.9	0.5
60°-70°	0.4	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°	562.7	89.2
0°-40°	616.2	97.7
0°-60°	630.5	99.9
0°-90°	630.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1503	
5°	1440	132
15°	966	263
25°	360	169
35°	78	53
45°	13	11
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224443

CATALOG NUMBER: LSR2B05FL409040D010 2LBDL*WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1502.8
2.5°	1488.4
5°	1440.5
7.5°	1362.1
10°	1253.4
12.5°	1120.7
15°	965.6
17.5°	800.2
20°	638.7
22.5°	487.6
25°	359.7
27.5°	256.6
30°	175.1
32.5°	117.5
35°	78.3
37.5°	52.0
40°	32.0
42.5°	20.0
45°	12.8
47.5°	8.8
50°	5.6
52.5°	4.0
55°	3.2
57.5°	2.4
60°	1.6
62.5°	0.8
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)