

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: P224389

Luminaire Tested: **LSR2B05FL409040D010 2LBDDELETEC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224389
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 2LBDDELETEC*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 89.9 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

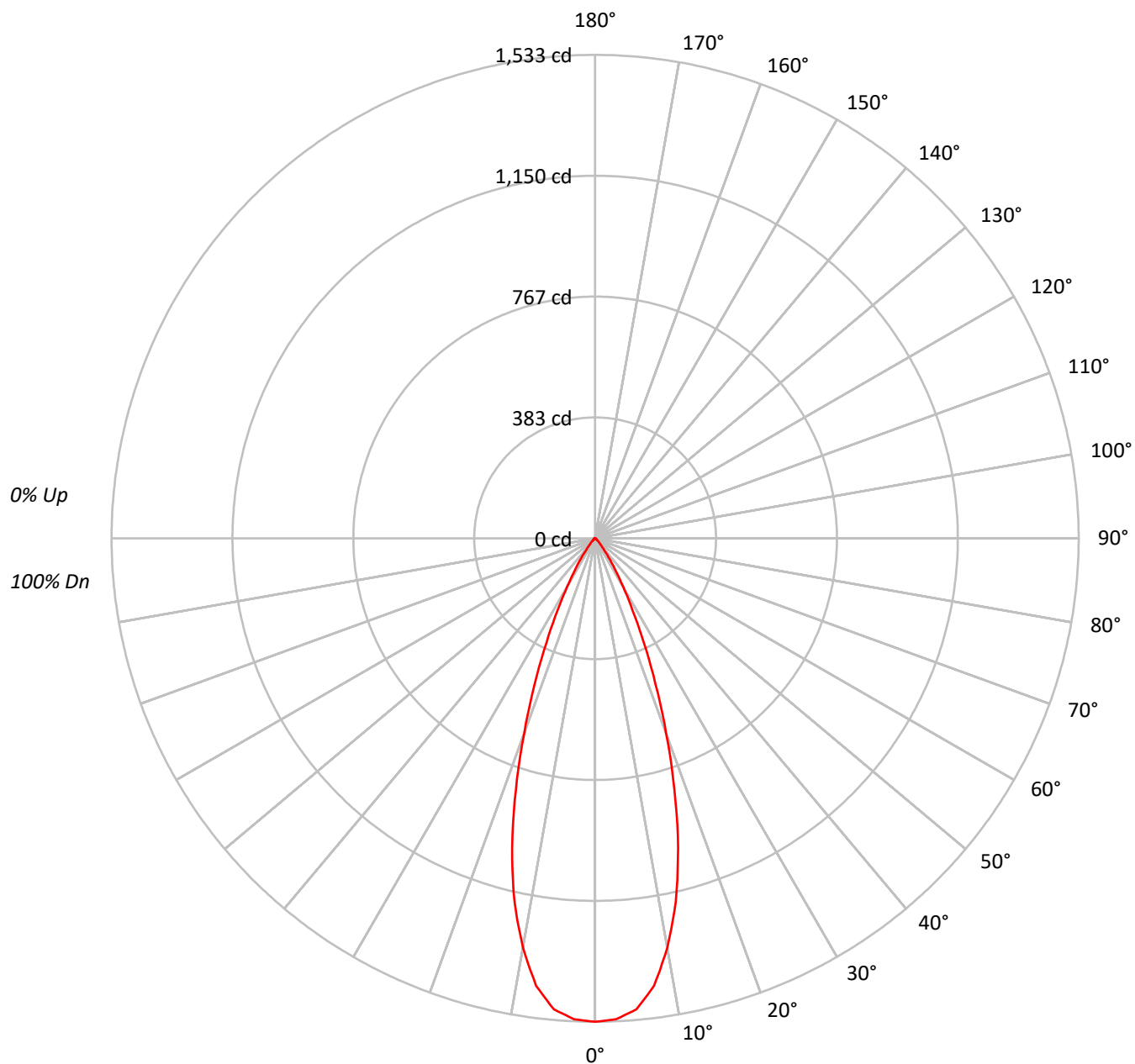
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224389

CATALOG NUMBER: LSR2B05FL409040D010 2LBDDELETEC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P224389

CATALOG NUMBER: LSR2B05FL409040D010 2LBDDELETEC*MW

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	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	102	99		108	104	101	98		101	98	96			98	96	94			91
3	105	100	96	93		104	99	95	92		96	93	90			94	91	89			86
4	101	95	90	87		100	94	90	86		92	88	85			90	87	85			82
5	98	91	86	82		96	90	85	82		88	84	81			86	83	80			79
6	94	87	82	78		93	86	81	78		84	80	77			83	80	77			75
7	90	83	78	74		89	82	77	74		81	77	74			80	76	73			72
8	87	79	74	71		86	79	74	71		78	74	71			77	73	70			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	67			66
10	81	73	68	65		80	73	68	65		72	68	65			71	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593840
5°	583005
10°	518280
15°	407627
20°	271231
25°	155698
30°	78675
35°	37025
40°	14917
45°	7395
50°	4037
55°	2836
60°	2634
65°	1558
70°	1925
75°	1197
80°	1785
85°	0



TEST NUMBER: P224389

CATALOG NUMBER: LSR2B05FL409040D010 2LBDDELETEC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	20.9
10°-20°	275.3	42.0
20°-30°	171.3	26.1
30°-40°	52.7	8.0
40°-50°	11.6	1.8
50°-60°	4.1	0.6
60°-70°	2.1	0.3
70°-80°	1.2	0.2
80°-90°	0.3	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°	584.0	89.0
0°-40°	636.6	97.1
0°-60°	652.3	99.4
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1533	
5°	1499	137
15°	1016	275
25°	364	171
35°	78	53
45°	14	12
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P224389

CATALOG NUMBER: LSR2B05FL409040D010 2LBDDELETEC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1533.1
2.5°	1526.4
5°	1499.4
7.5°	1431.3
10°	1317.7
12.5°	1181.4
15°	1016.5
17.5°	836.4
20°	658.0
22.5°	499.0
25°	364.3
27.5°	256.6
30°	175.9
32.5°	118.6
35°	78.3
37.5°	47.1
40°	29.5
42.5°	20.2
45°	13.5
47.5°	9.3
50°	6.7
52.5°	5.9
55°	4.2
57.5°	3.4
60°	3.4
62.5°	2.5
65°	1.7
67.5°	1.7
70°	1.7
72.5°	1.7
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)