

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: P1219566

Luminaire Tested: **LDSQA4A30950D010TE LAR35FL 4LSQA1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26795)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA4A30950D010TE LAR35FL 4LSQA1H
Description: PORTFOLIO 4" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 35° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

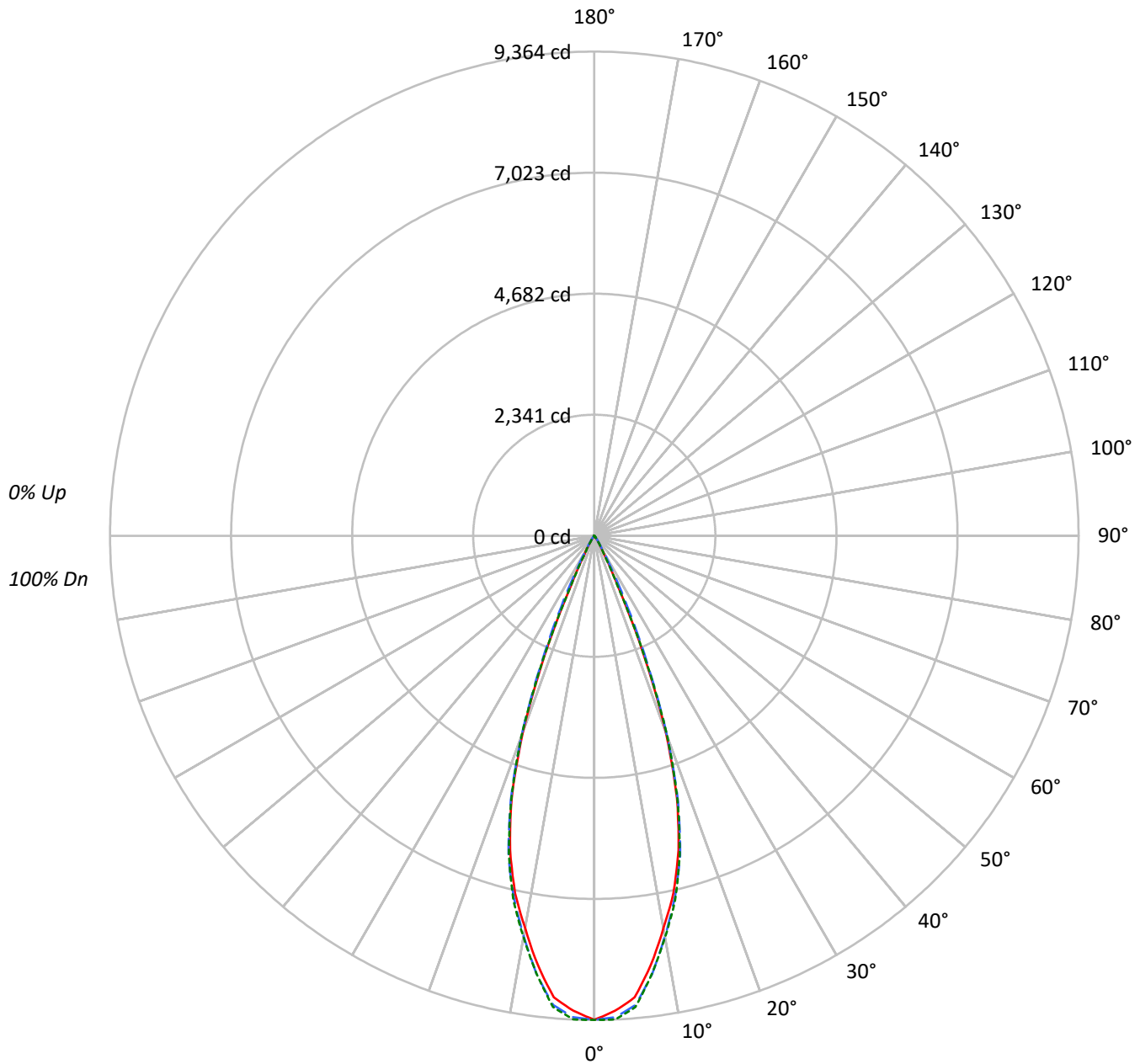
Lumens per Lamp: N/A
Luminaire Lumens: 3335.8 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.63 / 0.57
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.8
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

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Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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	115	113	111	109	112	110	109	107	107	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		88
6	97	90	86	83	96	90	85	82	88	85	82		87	84	81		86
7	94	87	83	79	93	86	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	83	79	76	82	79	76		82	78	76		81
9	88	81	77	74	87	81	77	74	80	76	73		79	76	73		78
10	86	78	74	71	85	78	74	71	77	74	71		77	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	906870	906870	906870
5°	871456	886062	889650
10°	757792	773266	775499
15°	631223	643017	640179
20°	414773	424123	424721
25°	115057	161746	113229
30°	27608	35069	28089
35°	7380	12737	7202
40°	2694	4843	2517
45°	1356	1754	1151
50°	844	844	648
55°	473	473	253
60°	543	291	291
65°	344	344	344
70°	425	425	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.7	24.7
10°-20°	1705.8	51.1
20°-30°	728.5	21.8
30°-40°	64.3	1.9
40°-50°	9.6	0.3
50°-60°	2.7	0.1
60°-70°	1.5	0.0
70°-80°	0.7	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°	3257.0	97.6
0°-40°	3321.3	99.6
0°-60°	3333.6	99.9
0°-90°	3335.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3335.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9361	9361	9361	9361	9361	
5°	8961	9035	9112	9098	9148	812
15°	6294	6355	6411	6365	6383	1687
25°	1076	1466	1513	1448	1059	660
35°	62	78	108	77	61	52
45°	10	10	13	10	8	8
55°	3	3	3	3	2	3
65°	2	2	2	2	2	2
75°	0	2	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9361.2	9361.2	9361.2	9361.2	9361.2
2.5°	9196.7	9262.0	9320.2	9315.8	9364.2
5°	8961.4	9035.1	9111.6	9097.5	9148.5
7.5°	8374.3	8449.4	8548.6	8510.3	8544.4
10°	7703.5	7782.8	7860.8	7836.7	7883.5
12.5°	7075.2	7120.6	7177.2	7173.1	7222.7
15°	6293.8	6354.8	6411.4	6364.7	6383.1
17.5°	5315.2	5339.4	5381.9	5335.1	5347.9
20°	4023.3	4089.9	4114.0	4060.2	4119.8
22.5°	2517.3	2677.5	2690.3	2661.8	2572.5
25°	1076.4	1466.4	1513.2	1448.0	1059.3
27.5°	435.4	555.9	720.4	544.5	424.0
30°	246.8	268.1	313.5	263.8	251.1
32.5°	117.7	150.3	180.1	146.1	119.2
35°	62.4	78.0	107.7	76.6	60.9
37.5°	35.5	45.3	65.2	42.5	35.5
40°	21.3	26.9	38.3	25.5	19.9
42.5°	14.2	17.1	21.3	15.6	12.8
45°	9.9	9.9	12.8	9.9	8.4
47.5°	7.1	7.1	8.4	5.6	5.6
50°	5.6	5.6	5.6	4.3	4.3
52.5°	4.3	4.3	4.3	2.8	2.8
55°	2.8	2.8	2.8	2.8	1.5
57.5°	2.8	2.8	2.8	1.5	1.5
60°	2.8	2.8	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	0.0
72.5°	1.5	1.5	1.5	1.5	1.5
75°	0.0	1.5	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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— 0°-180° - - 45°-225° - - - 90°-270°

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