

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: P1219552

Luminaire Tested: **LDSQA4A25950D010TE LAR35FL 4LSQA1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219552
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: LDSQA4A25950D010TE 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

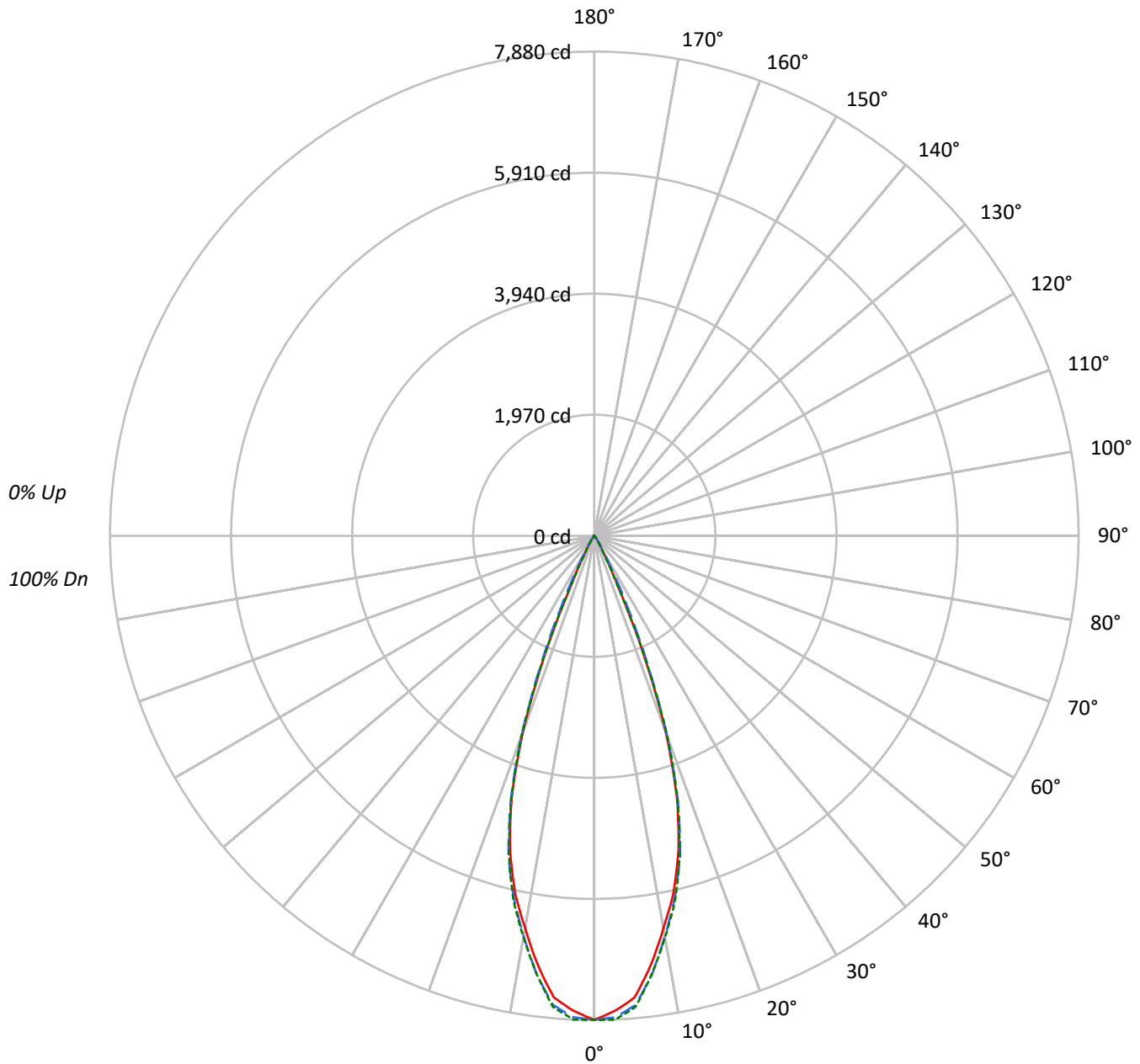
Lumens per Lamp: N/A
Luminaire Lumens: 2807.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.63 / 0.57
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 30.9
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

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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°	763185	763185	763185
5°	733377	745669	748683
10°	637712	650736	652625
15°	531201	541130	538743
20°	349051	356927	357412
25°	96810	136114	95293
30°	23234	29498	23625
35°	6209	10726	6067
40°	2264	4072	2112
45°	1137	1480	986
50°	723	723	527
55°	405	405	186
60°	465	213	213
65°	252	252	252
70°	312	312	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.3	24.7
10°-20°	1435.5	51.1
20°-30°	613.1	21.8
30°-40°	54.1	1.9
40°-50°	8.1	0.3
50°-60°	2.3	0.1
60°-70°	1.1	0.0
70°-80°	0.5	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°	2740.9	97.6
0°-40°	2795.0	99.6
0°-60°	2805.4	99.9
0°-90°	2807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2807.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7878	7878	7878	7878	7878	
5°	7542	7603	7668	7656	7699	684
15°	5296	5348	5396	5356	5372	1420
25°	906	1234	1273	1219	892	555
35°	52	66	91	64	51	44
45°	8	8	11	8	7	7
55°	2	2	2	2	1	3
65°	1	1	1	1	1	1
75°	0	1	0	0	0	0
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°	7878.0	7878.0	7878.0	7878.0	7878.0
2.5°	7739.6	7794.4	7843.4	7839.7	7880.4
5°	7541.5	7603.4	7667.9	7656.0	7698.9
7.5°	7047.4	7110.5	7194.1	7161.9	7190.6
10°	6482.8	6549.7	6615.2	6595.0	6634.4
12.5°	5954.1	5992.3	6040.0	6036.5	6078.2
15°	5296.5	5347.8	5395.5	5356.1	5371.7
17.5°	4472.9	4493.3	4529.2	4489.7	4500.5
20°	3385.8	3441.9	3462.2	3416.8	3466.9
22.5°	2118.5	2253.2	2264.0	2240.1	2165.0
25°	905.7	1234.1	1273.4	1218.6	891.5
27.5°	366.5	467.8	606.2	458.3	356.8
30°	207.7	225.6	263.7	222.0	211.2
32.5°	99.1	126.5	151.6	122.9	100.4
35°	52.5	65.6	90.7	64.5	51.3
37.5°	29.8	38.2	54.9	35.8	29.8
40°	17.9	22.7	32.2	21.5	16.7
42.5°	12.0	14.4	17.9	13.2	10.8
45°	8.3	8.3	10.8	8.3	7.2
47.5°	5.9	5.9	7.2	4.8	4.8
50°	4.8	4.8	4.8	3.5	3.5
52.5°	3.5	3.5	3.5	2.4	2.4
55°	2.4	2.4	2.4	2.4	1.1
57.5°	2.4	2.4	2.4	1.1	1.1
60°	2.4	2.4	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	0.0
72.5°	1.1	1.1	1.1	1.1	1.1
75°	0.0	1.1	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

Classified

Scaled Data Report

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— 0°-180° - - 45°-225° - - - 90°-270°

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