

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: P1212269

Luminaire Tested: **LDSQA4A25935D010TE LAR35FL 4LSQA1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212269
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: LDSQA4A25935D010TE LAR35FL 4LSQA1H
Description: PORTFOLIO 4" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 35° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

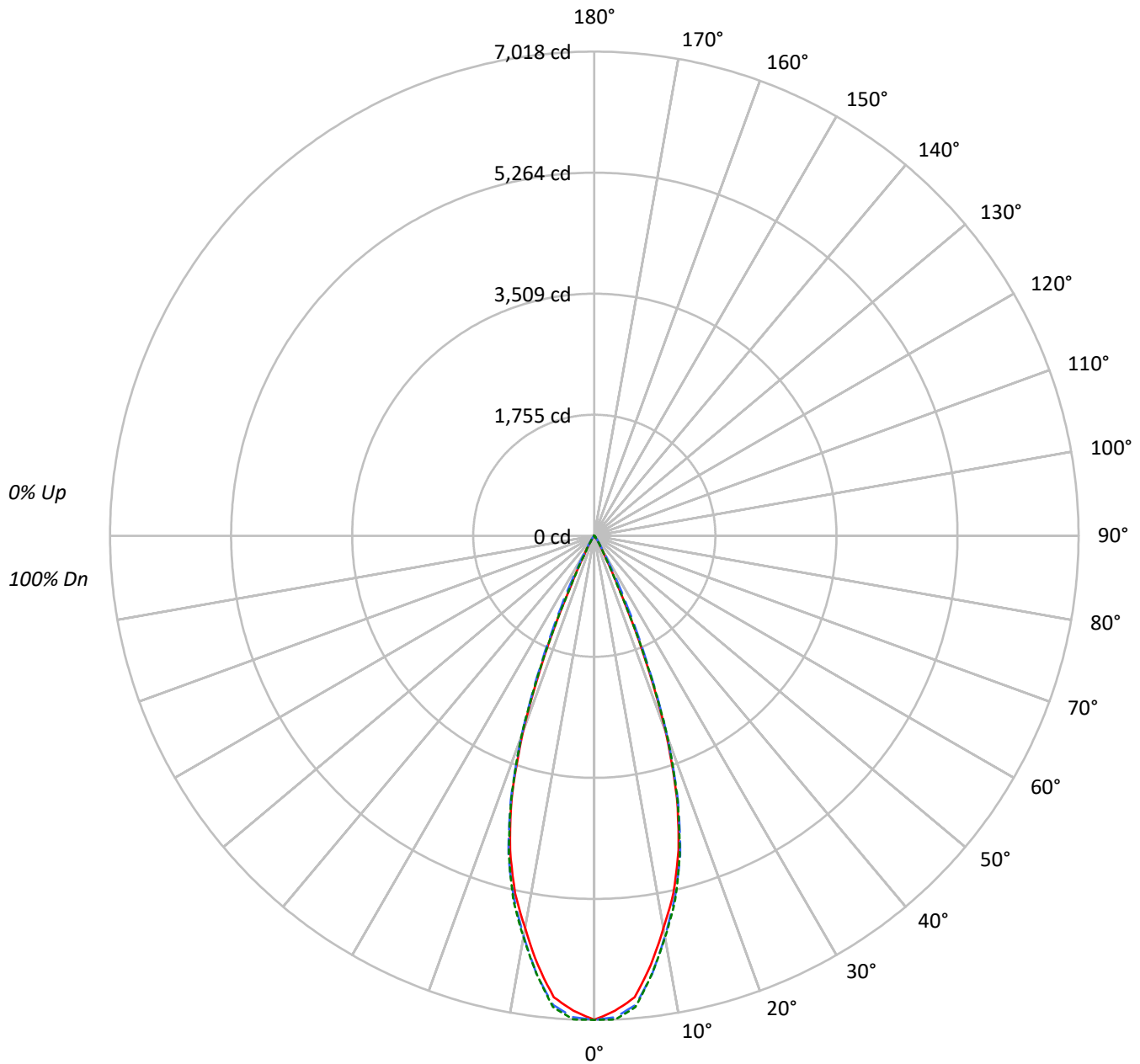
Lumens per Lamp: N/A
Luminaire Lumens: 2499.9 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.63 / 0.57
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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°	679649	679649	679649
5°	653091	664050	666725
10°	567909	579517	581189
15°	473051	481897	479781
20°	310845	317855	318288
25°	86228	121213	84860
30°	20694	26276	21041
35°	5535	9544	5416
40°	2011	3629	1872
45°	1014	1315	877
50°	648	648	482
55°	355	355	186
60°	407	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°	616.5	24.7
10°-20°	1278.3	51.1
20°-30°	546.0	21.8
30°-40°	48.2	1.9
40°-50°	7.2	0.3
50°-60°	2.0	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°	2440.9	97.6
0°-40°	2489.1	99.6
0°-60°	2498.3	99.9
0°-90°	2499.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2499.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7016	7016	7016	7016	7016	
5°	6716	6771	6829	6818	6856	609
15°	4717	4762	4805	4770	4784	1265
25°	807	1099	1134	1085	794	495
35°	47	58	81	57	46	39
45°	7	7	10	7	6	6
55°	2	2	2	2	1	2
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7015.7	7015.7	7015.7	7015.7	7015.7
2.5°	6892.3	6941.3	6984.8	6981.6	7017.7
5°	6715.9	6771.1	6828.6	6818.0	6856.1
7.5°	6275.9	6332.2	6406.6	6377.9	6403.4
10°	5773.2	5832.8	5891.2	5873.1	5908.2
12.5°	5302.4	5336.3	5378.9	5375.7	5412.9
15°	4716.7	4762.5	4804.9	4769.8	4783.8
17.5°	3983.4	4001.5	4033.4	3998.3	4007.9
20°	3015.2	3065.1	3083.2	3042.8	3087.4
22.5°	1886.5	2006.6	2016.1	1994.9	1927.9
25°	806.7	1098.9	1134.0	1085.2	793.9
27.5°	326.3	416.6	540.0	408.1	317.8
30°	185.0	200.8	234.9	197.7	188.1
32.5°	88.2	112.7	134.9	109.5	89.3
35°	46.8	58.5	80.7	57.4	45.8
37.5°	26.5	34.0	48.9	31.9	26.5
40°	15.9	20.2	28.7	19.1	14.8
42.5°	10.7	12.7	15.9	11.7	9.6
45°	7.4	7.4	9.6	7.4	6.4
47.5°	5.3	5.3	6.4	4.3	4.3
50°	4.3	4.3	4.3	3.2	3.2
52.5°	3.2	3.2	3.2	2.1	2.1
55°	2.1	2.1	2.1	2.1	1.1
57.5°	2.1	2.1	2.1	1.1	1.1
60°	2.1	2.1	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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