

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: P1212703

Luminaire Tested: **LDSQA6A70935D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1212703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A70935D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

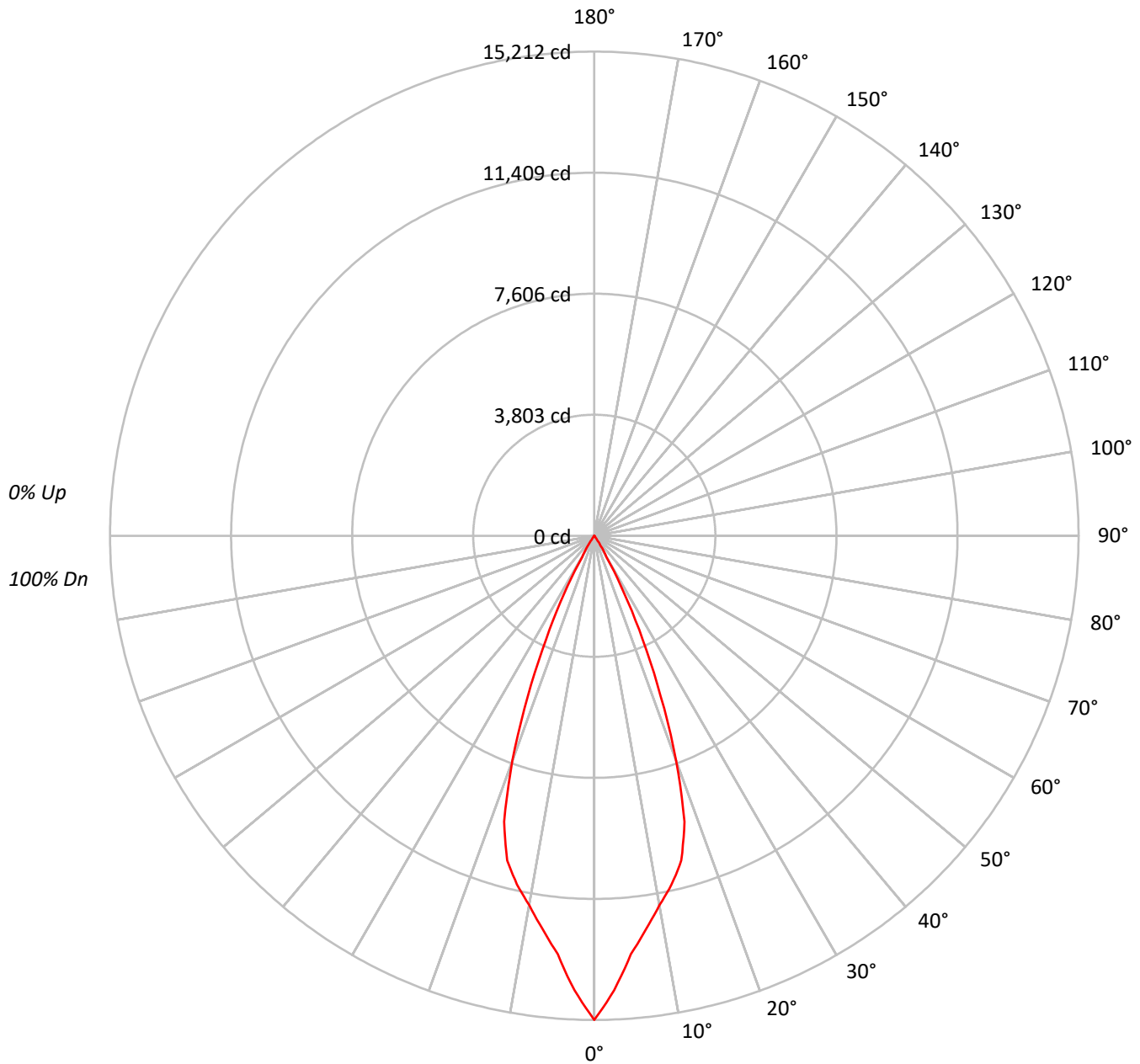
Lumens per Lamp: N/A
Luminaire Lumens: 5877.6 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100						
1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96						
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92						
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88						
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85						
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	85	82	81						
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78						
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75						
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72						
9	86	79	74	71	85	79	74	71	78	74	71	77	73	71	76	73	71	70						
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	654971
5°	570212
10°	515212
15°	470760
20°	344718
25°	170102
30°	37770
35°	7653
40°	1281
45°	378
50°	67
55°	75
60°	86
65°	102
70°	126
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1223.0	20.8
10°-20°	2837.7	48.3
20°-30°	1664.6	28.3
30°-40°	144.0	2.5
40°-50°	6.3	0.1
50°-60°	0.9	0.0
60°-70°	1.0	0.0
70°-80°	0.1	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°	5725.3	97.4
0°-40°	5869.3	99.9
0°-60°	5876.5	100.0
0°-90°	5877.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5877.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15212	
5°	13193	###
15°	10561	2838
25°	3581	1665
35°	146	144
45°	6	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15212.2
2.5°	14294.5
5°	13193.2
7.5°	12460.4
10°	11784.4
12.5°	11221.7
15°	10561.2
17.5°	9419.7
20°	7523.5
22.5°	5440.6
25°	3580.6
27.5°	2017.9
30°	759.7
32.5°	392.2
35°	145.6
37.5°	44.3
40°	22.8
42.5°	12.4
45°	6.2
47.5°	3.1
50°	1.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
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

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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— 0°-180°

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Scaled Data Report



(END OF REPORT)