

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: P208998

Luminaire Tested: **LDSQA6A75835D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208998
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: LDSQA6A75835D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7182.8 lumens
Efficiency: N/A
Efficacy: 90.4 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

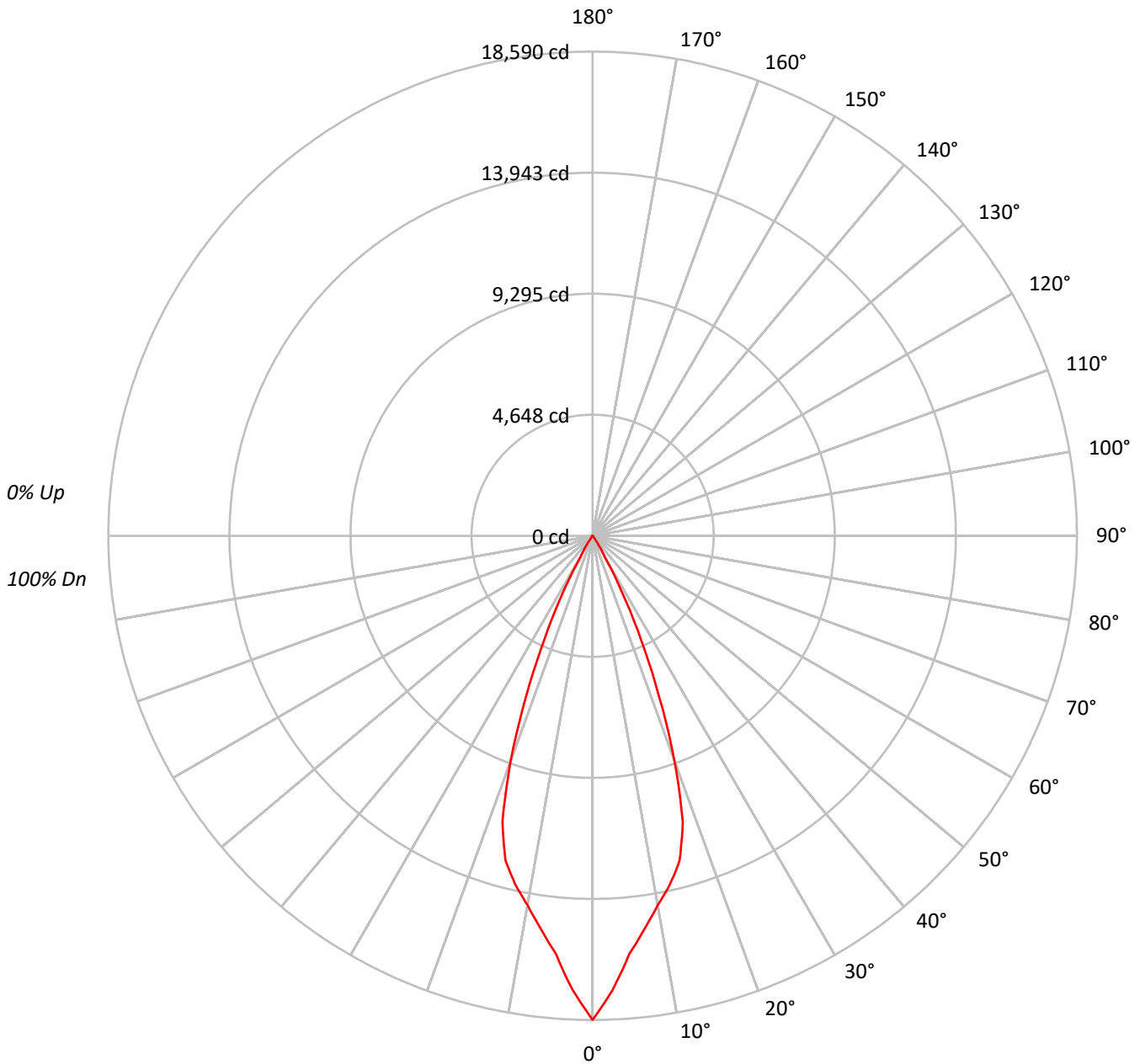
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	800400
5°	696825
10°	629605
15°	575287
20°	421259
25°	207870
30°	46157
35°	9351
40°	1557
45°	463
50°	87
55°	98
60°	112
65°	132
70°	164
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1494.5	20.8
10°-20°	3467.8	48.3
20°-30°	2034.1	28.3
30°-40°	176.0	2.5
40°-50°	7.7	0.1
50°-60°	1.2	0.0
60°-70°	1.3	0.0
70°-80°	0.2	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°	6996.5	97.4
0°-40°	7172.5	99.9
0°-60°	7181.3	100.0
0°-90°	7182.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7182.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18590	
5°	16123	###
15°	12906	3468
25°	4376	2034
35°	178	176
45°	8	8
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18589.9
2.5°	17468.5
5°	16122.7
7.5°	15227.1
10°	14400.9
12.5°	13713.5
15°	12906.2
17.5°	11511.1
20°	9194.0
22.5°	6648.6
25°	4375.6
27.5°	2466.0
30°	928.4
32.5°	479.3
35°	177.9
37.5°	54.2
40°	27.7
42.5°	15.1
45°	7.6
47.5°	3.8
50°	1.3
52.5°	1.3
55°	1.3
57.5°	1.3
60°	1.3
62.5°	1.3
65°	1.3
67.5°	1.3
70°	1.3
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



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— 0°-180°







(END OF REPORT)