

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: P208981

Luminaire Tested: **LDSQA6A55830D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208981
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: LDSQA6A55830D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5096.6 lumens
Efficiency: N/A
Efficacy: 83.8 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

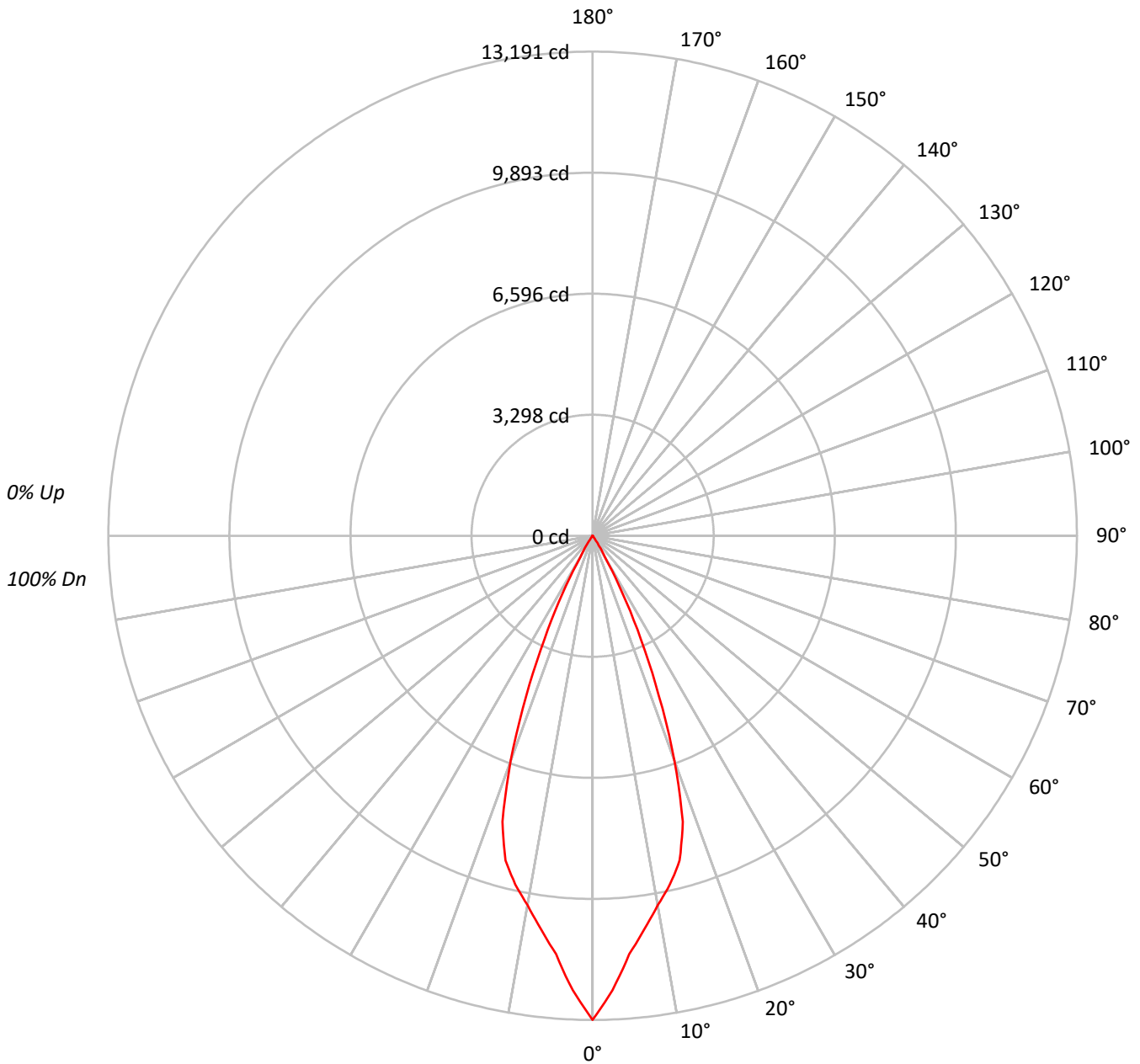
Input Watts (W): 60.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	567934
5°	494443
10°	446747
15°	408204
20°	298913
25°	147499
30°	32748
35°	6633
40°	1107
45°	329
50°	60
55°	68
60°	78
65°	92
70°	113
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1060.5	20.8
10°-20°	2460.6	48.3
20°-30°	1443.4	28.3
30°-40°	124.9	2.5
40°-50°	5.4	0.1
50°-60°	0.8	0.0
60°-70°	0.9	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°	4964.5	97.4
0°-40°	5089.3	99.9
0°-60°	5095.6	100.0
0°-90°	5096.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5096.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13191	
5°	11440	###
15°	9158	2461
25°	3105	1443
35°	126	125
45°	5	5
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13190.7
2.5°	12395.1
5°	11440.1
7.5°	10804.6
10°	10218.4
12.5°	9730.6
15°	9157.8
17.5°	8167.9
20°	6523.8
22.5°	4717.6
25°	3104.8
27.5°	1749.8
30°	658.7
32.5°	340.1
35°	126.2
37.5°	38.5
40°	19.7
42.5°	10.7
45°	5.4
47.5°	2.7
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
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)