

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: P179721

Luminaire Tested: **LDA6A55930D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179721
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: LDA6A55930D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4560.3 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

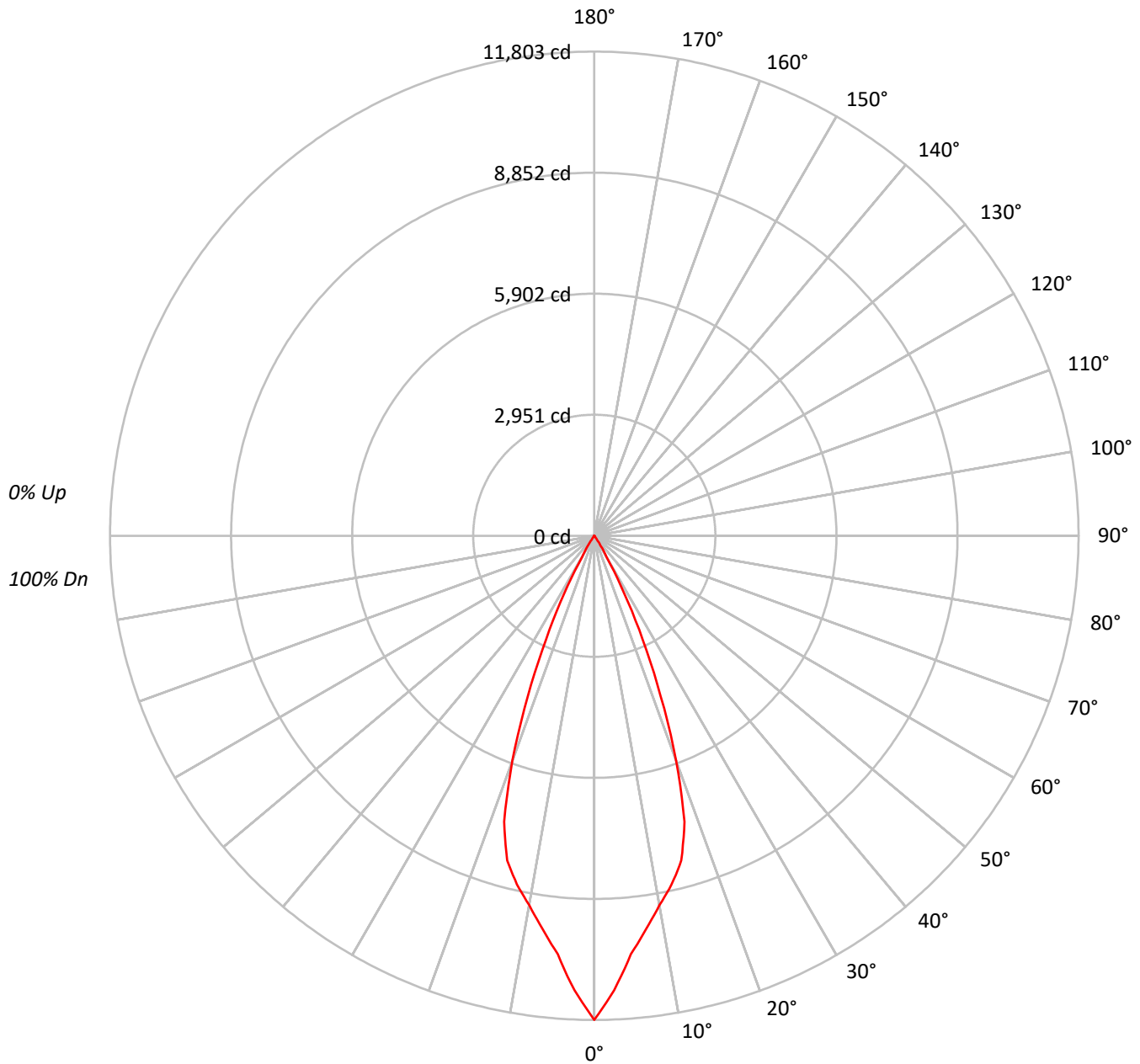
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179721

CATALOG NUMBER: LDA6A55930D010TE LARH40FL 6LA1LI

Luminous Intensity Polar Plot





TEST NUMBER: P179721

CATALOG NUMBER: LDA6A55930D010TE LARH40FL 6LA1LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	647037
5°	563305
10°	508970
15°	465059
20°	340545
25°	168040
30°	37310
35°	7556
40°	1260
45°	372
50°	68
55°	76
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0



TEST NUMBER: P179721

CATALOG NUMBER: LDA6A55930D010TE LARH40FL 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	948.9	20.8
10°-20°	2201.7	48.3
20°-30°	1291.5	28.3
30°-40°	111.7	2.4
40°-50°	4.9	0.1
50°-60°	0.7	0.0
60°-70°	0.8	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°	4442.1	97.4
0°-40°	4553.9	99.9
0°-60°	4559.4	100.0
0°-90°	4560.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4560.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11803	
5°	10236	949
15°	8194	2202
25°	2778	1292
35°	113	112
45°	5	5
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P179721

CATALOG NUMBER: LDA6A55930D010TE LARH40FL 6LA1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	11802.9
2.5°	11090.9
5°	10236.4
7.5°	9667.8
10°	9143.3
12.5°	8706.8
15°	8194.3
17.5°	7308.5
20°	5837.4
22.5°	4221.3
25°	2778.1
27.5°	1565.7
30°	589.4
32.5°	304.3
35°	112.9
37.5°	34.4
40°	17.6
42.5°	9.6
45°	4.8
47.5°	2.4
50°	0.8
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)