

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: P179593

Luminaire Tested: **LDA6A45930D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26664)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45930D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, 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: 3695.6 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

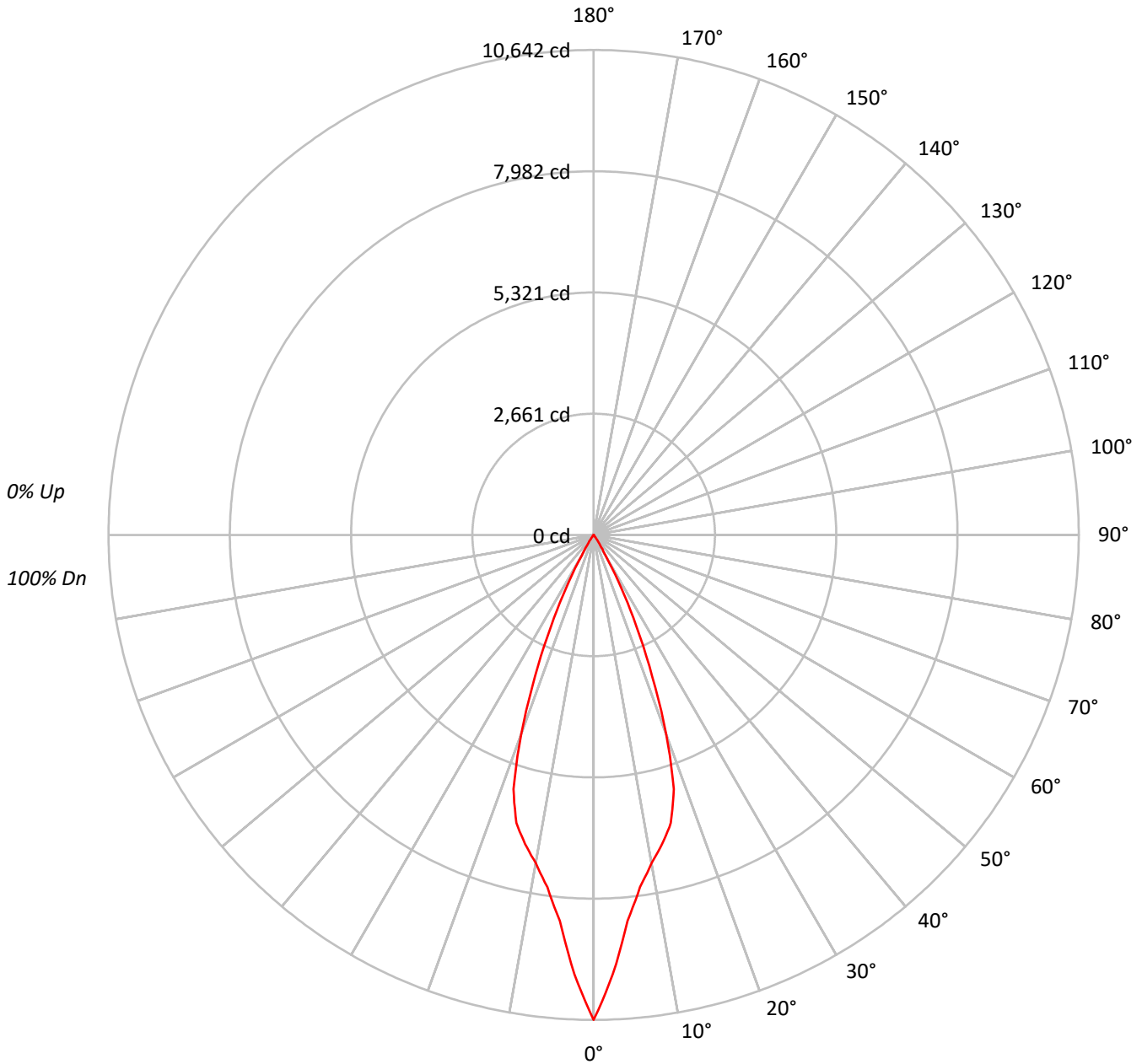
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	583407
5°	467817
10°	406956
15°	371410
20°	271449
25°	133393
30°	32708
35°	7134
40°	1574
45°	628
50°	350
55°	545
60°	537
65°	428
70°	385
75°	339
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.5	21.1
10°-20°	1758.7	47.6
20°-30°	1037.4	28.1
30°-40°	100.1	2.7
40°-50°	7.7	0.2
50°-60°	4.7	0.1
60°-70°	3.3	0.1
70°-80°	1.9	0.1
80°-90°	0.3	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°	3577.6	96.8
0°-40°	3677.7	99.5
0°-60°	3690.1	99.9
0°-90°	3695.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3695.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10642	
5°	8501	782
15°	6544	1759
25°	2205	1037
35°	107	100
45°	8	8
55°	6	5
65°	3	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10642.2
2.5°	9649.4
5°	8501.2
7.5°	7794.9
10°	7310.7
12.5°	6946.2
15°	6544.2
17.5°	5848.4
20°	4653.0
22.5°	3356.7
25°	2205.3
27.5°	1301.2
30°	516.7
32.5°	262.8
35°	106.6
37.5°	35.8
40°	22.0
42.5°	13.8
45°	8.1
47.5°	5.7
50°	4.1
52.5°	4.9
55°	5.7
57.5°	5.7
60°	4.9
62.5°	4.1
65°	3.3
67.5°	2.4
70°	2.4
72.5°	2.4
75°	1.6
77.5°	1.6
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)