

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: P179817

Luminaire Tested: **LDA6A55930D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26683)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55930D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, 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: 4521.9 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

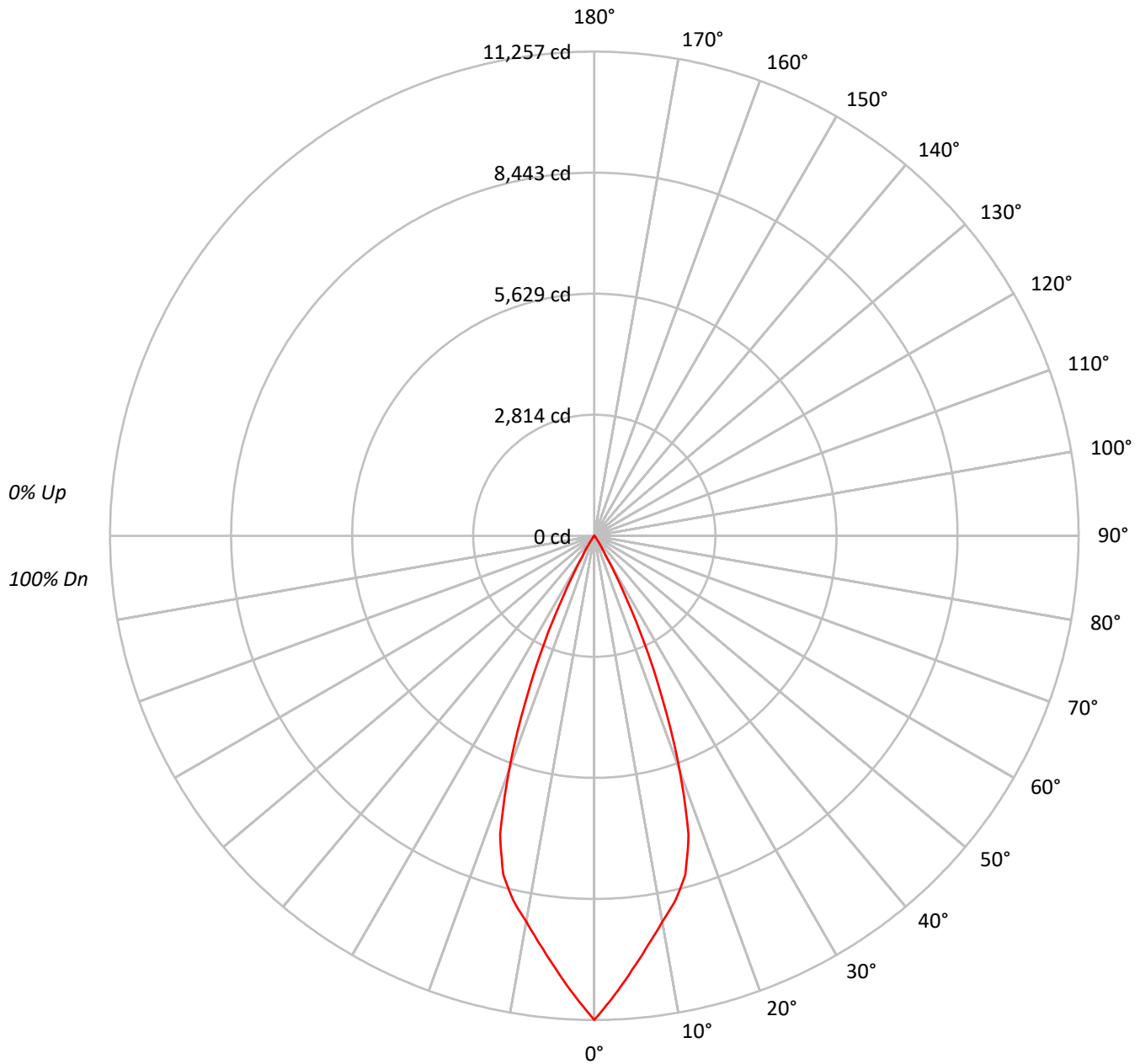
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	617116
5°	557196
10°	507060
15°	463516
20°	338293
25°	166606
30°	36100
35°	6860
40°	1832
45°	806
50°	478
55°	382
60°	351
65°	311
70°	256
75°	169
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	936.5	20.7
10°-20°	2193.9	48.5
20°-30°	1265.6	28.0
30°-40°	110.0	2.4
40°-50°	9.2	0.2
50°-60°	3.7	0.1
60°-70°	2.2	0.0
70°-80°	0.8	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°	4396.0	97.2
0°-40°	4506.1	99.6
0°-60°	4518.9	99.9
0°-90°	4521.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4521.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11257	
5°	10125	937
15°	8167	2194
25°	2754	1266
35°	102	110
45°	10	9
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11257.1
2.5°	10692.5
5°	10125.4
7.5°	9595.2
10°	9109.0
12.5°	8690.1
15°	8167.1
17.5°	7280.5
20°	5798.8
22.5°	4197.7
25°	2754.4
27.5°	1427.3
30°	570.3
32.5°	299.5
35°	102.5
37.5°	42.4
40°	25.6
42.5°	16.0
45°	10.4
47.5°	6.4
50°	5.6
52.5°	4.8
55°	4.0
57.5°	3.2
60°	3.2
62.5°	2.4
65°	2.4
67.5°	1.6
70°	1.6
72.5°	0.8
75°	0.8
77.5°	0.8
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)