

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: P179801

Luminaire Tested: **LDA6A55930D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26682)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55930D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4316.9 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

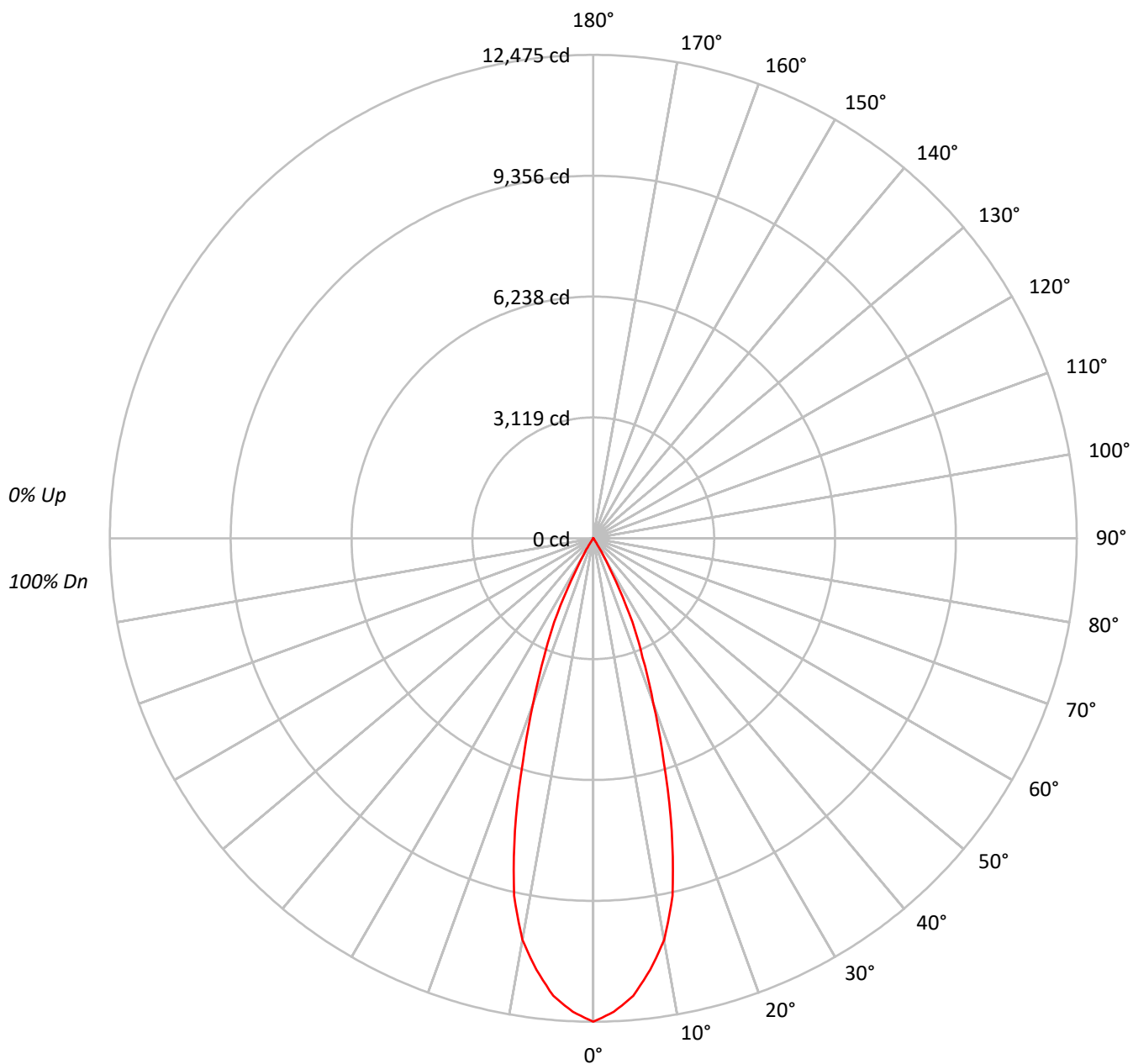
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109		112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101		109	105	103	100		102	100	98		99	98	96		97	95	94
3	107	102	98	95		105	101	97	95		98	95	93		96	94	92		94	92	90
4	103	98	94	90		102	97	93	90		95	91	89		93	90	88		91	89	87
5	100	94	89	86		99	93	89	86		91	88	85		90	87	84		88	86	84
6	97	90	86	83		96	89	85	82		88	84	82		87	84	81		86	83	81
7	94	87	82	79		93	86	82	79		85	81	79		84	81	78		83	80	78
8	91	84	79	76		90	83	79	76		82	79	76		81	78	76		81	78	75
9	88	81	77	74		87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71		85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	683865
5°	652282
10°	585861
15°	443720
20°	263940
25°	144220
30°	32803
35°	3112
40°	1260
45°	620
50°	409
55°	382
60°	263
65°	311
70°	256
75°	169
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1087.8	25.2
10°-20°	2093.7	48.5
20°-30°	1041.3	24.1
30°-40°	80.5	1.9
40°-50°	7.2	0.2
50°-60°	3.3	0.1
60°-70°	2.1	0.0
70°-80°	1.0	0.0
80°-90°	0.1	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°	4222.8	97.8
0°-40°	4303.3	99.7
0°-60°	4313.7	99.9
0°-90°	4316.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4316.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12475	
5°	11853	###
15°	7818	2094
25°	2384	1041
35°	46	81
45°	8	7
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12474.7
2.5°	12228.1
5°	11853.3
7.5°	11229.4
10°	10524.6
12.5°	9453.0
15°	7818.3
17.5°	6038.0
20°	4524.3
22.5°	3318.9
25°	2384.3
27.5°	1249.4
30°	518.2
32.5°	205.8
35°	46.5
37.5°	27.2
40°	17.6
42.5°	12.0
45°	8.0
47.5°	6.4
50°	4.8
52.5°	4.0
55°	4.0
57.5°	3.2
60°	2.4
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°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)