

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: P179755

Luminaire Tested: **LDA6A55940D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26679)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55940D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4316.6 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

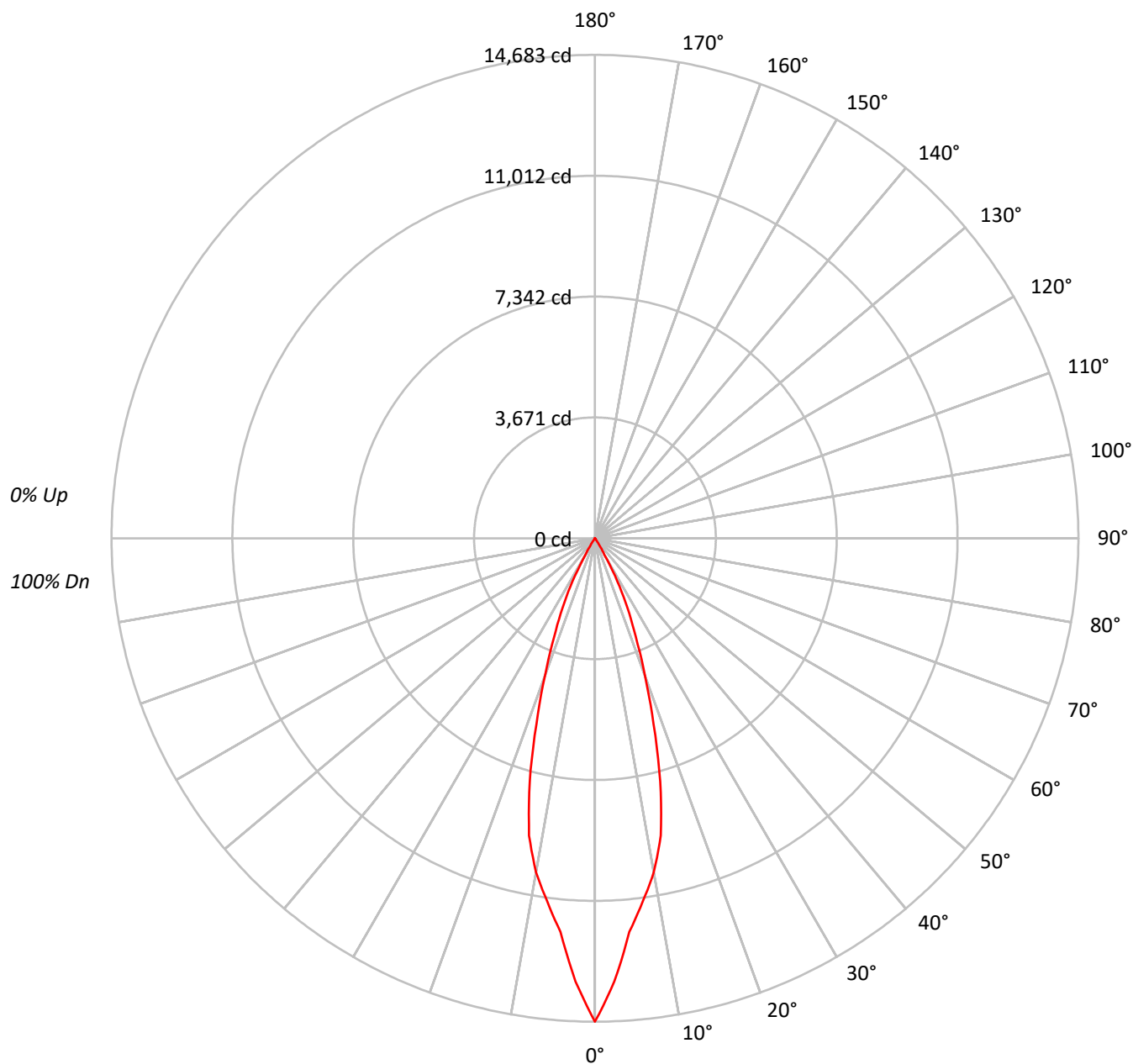
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95		105	101	97	94		98	95	93		96	94	92		94	92	90
4	103	98	93	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	82		95	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	78	76		81	78	75		80	77	75
9	88	81	76	73		87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71		84	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	804946
5°	660437
10°	573303
15°	434236
20°	258072
25°	140585
30°	36309
35°	3393
40°	1438
45°	744
50°	375
55°	583
60°	570
65°	454
70°	417
75°	360
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1104.4	25.6
10°-20°	2049.2	47.5
20°-30°	1051.6	24.4
30°-40°	92.4	2.1
40°-50°	8.1	0.2
50°-60°	5.0	0.1
60°-70°	3.6	0.1
70°-80°	2.0	0.0
80°-90°	0.4	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°	4205.1	97.4
0°-40°	4297.5	99.6
0°-60°	4310.6	99.9
0°-90°	4316.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4316.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14683	
5°	12002	###
15°	7651	2049
25°	2324	1052
35°	51	92
45°	10	8
55°	6	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14683.4
2.5°	13475.8
5°	12001.5
7.5°	11124.4
10°	10299.0
12.5°	9247.1
15°	7651.2
17.5°	5916.4
20°	4423.7
22.5°	3231.0
25°	2324.2
27.5°	1469.0
30°	573.6
32.5°	251.8
35°	50.7
37.5°	28.9
40°	20.1
42.5°	14.0
45°	9.6
47.5°	7.0
50°	4.4
52.5°	5.2
55°	6.1
57.5°	6.1
60°	5.2
62.5°	4.4
65°	3.5
67.5°	2.6
70°	2.6
72.5°	2.6
75°	1.7
77.5°	1.7
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)