

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: P179707

Luminaire Tested: **LDA6A55940D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55940D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, 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: 4822.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

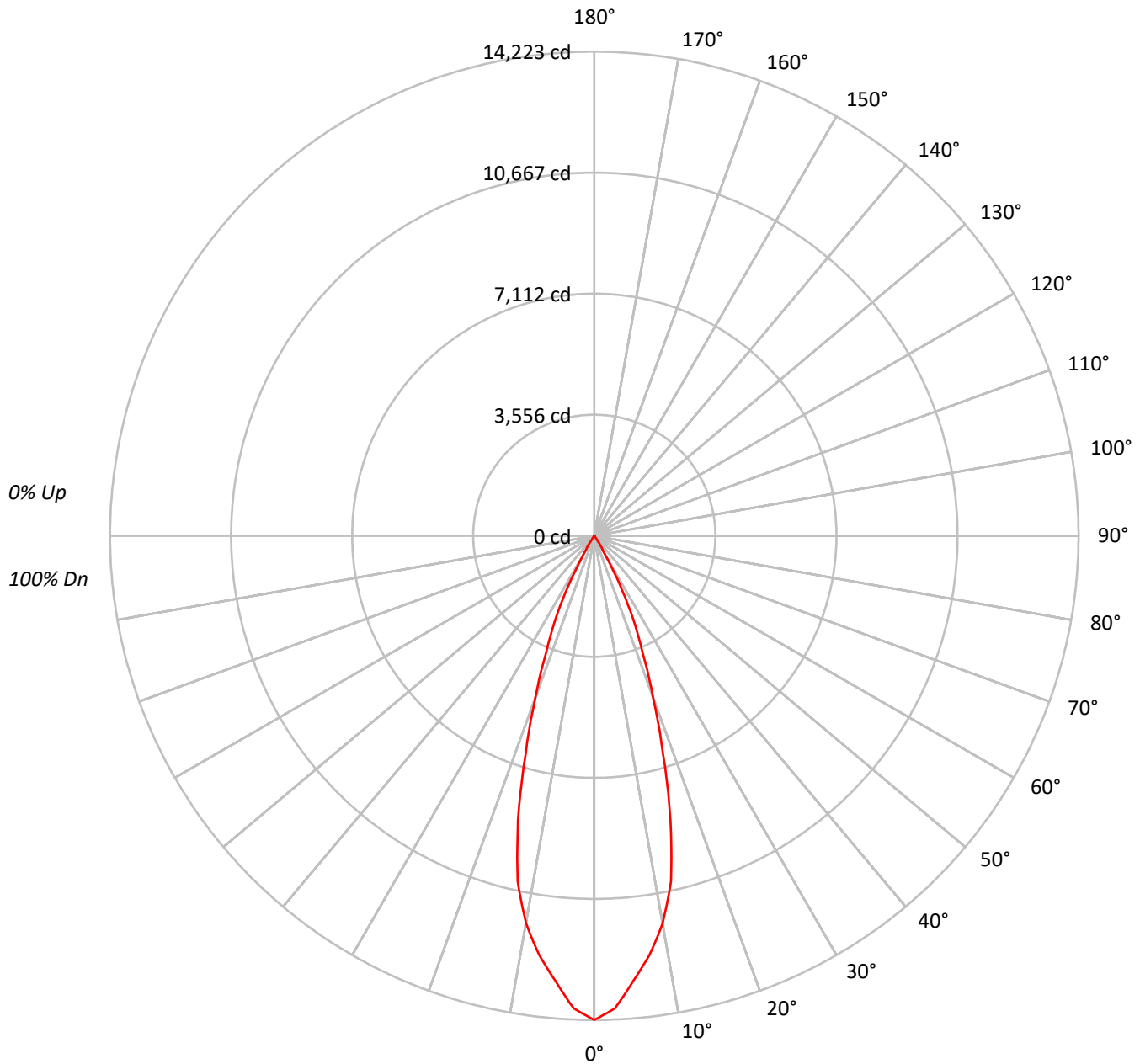
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	70		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	779696
5°	722192
10°	643369
15°	490939
20°	294329
25°	162215
30°	40126
35°	3099
40°	873
45°	341
50°	145
55°	162
60°	186
65°	117
70°	144
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1207.4	25.0
10°-20°	2314.6	48.0
20°-30°	1195.4	24.8
30°-40°	96.8	2.0
40°-50°	4.0	0.1
50°-60°	1.5	0.0
60°-70°	1.2	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°	4717.4	97.8
0°-40°	4814.2	99.8
0°-60°	4819.7	100.0
0°-90°	4822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4822.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14223	
5°	13124	###
15°	8650	2315
25°	2682	1195
35°	46	97
45°	4	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14222.8
2.5°	13898.4
5°	13123.7
7.5°	12418.1
10°	11557.7
12.5°	10400.9
15°	8650.3
17.5°	6706.6
20°	5045.2
22.5°	3698.7
25°	2681.8
27.5°	1615.0
30°	633.9
32.5°	269.3
35°	46.3
37.5°	22.7
40°	12.2
42.5°	7.0
45°	4.4
47.5°	2.6
50°	1.7
52.5°	1.7
55°	1.7
57.5°	1.7
60°	1.7
62.5°	1.7
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)