

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: P1192381

Luminaire Tested: **LDA6A50935D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26663)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50935D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

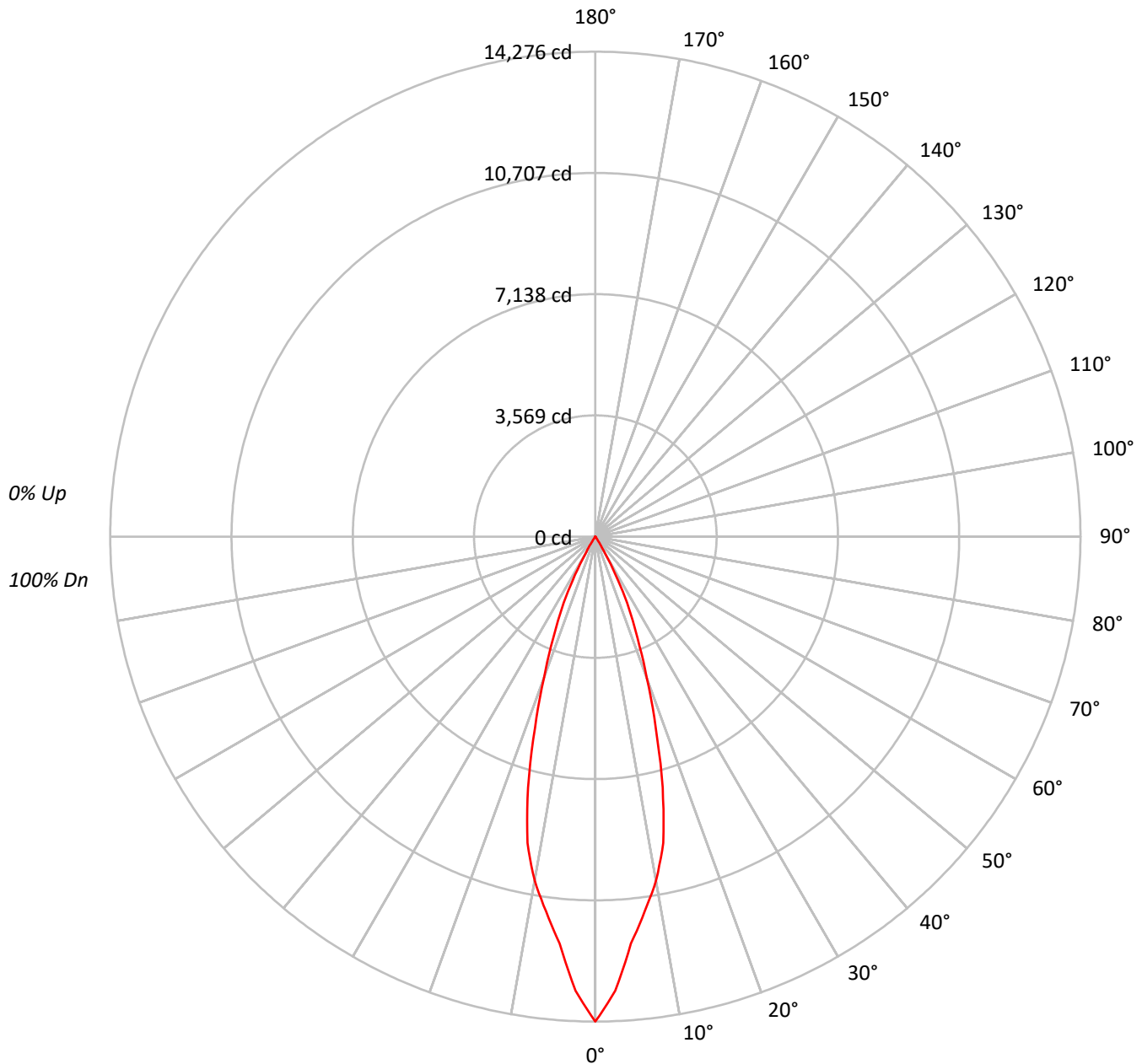
Lumens per Lamp: N/A
Luminaire Lumens: 4312.4 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 57.4
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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	92	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°	782624
5°	661758
10°	572468
15°	434072
20°	258258
25°	141680
30°	36518
35°	3259
40°	1353
45°	775
50°	418
55°	659
60°	658
65°	519
70°	465
75°	424
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1102.4	25.6
10°-20°	2046.6	47.5
20°-30°	1051.7	24.4
30°-40°	91.7	2.1
40°-50°	8.1	0.2
50°-60°	5.5	0.1
60°-70°	4.0	0.1
70°-80°	2.1	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°	4200.7	97.4
0°-40°	4292.3	99.5
0°-60°	4306.0	99.9
0°-90°	4312.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4312.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14276	
5°	12026	###
15°	7648	2047
25°	2342	1052
35°	49	92
45°	10	8
55°	7	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14276.2
2.5°	13381.1
5°	12025.5
7.5°	11127.3
10°	10284.0
12.5°	9231.7
15°	7648.3
17.5°	5901.8
20°	4426.9
22.5°	3242.3
25°	2342.3
27.5°	1441.1
30°	576.9
32.5°	249.6
35°	48.7
37.5°	27.8
40°	18.9
42.5°	14.0
45°	10.0
47.5°	6.9
50°	4.9
52.5°	6.0
55°	6.9
57.5°	6.0
60°	6.0
62.5°	4.9
65°	4.0
67.5°	2.9
70°	2.9
72.5°	2.0
75°	2.0
77.5°	2.0
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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Scaled Data Report



(END OF REPORT)