

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: P1192807

Luminaire Tested: **LDA6A75935D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192807
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: LDA6A75935D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

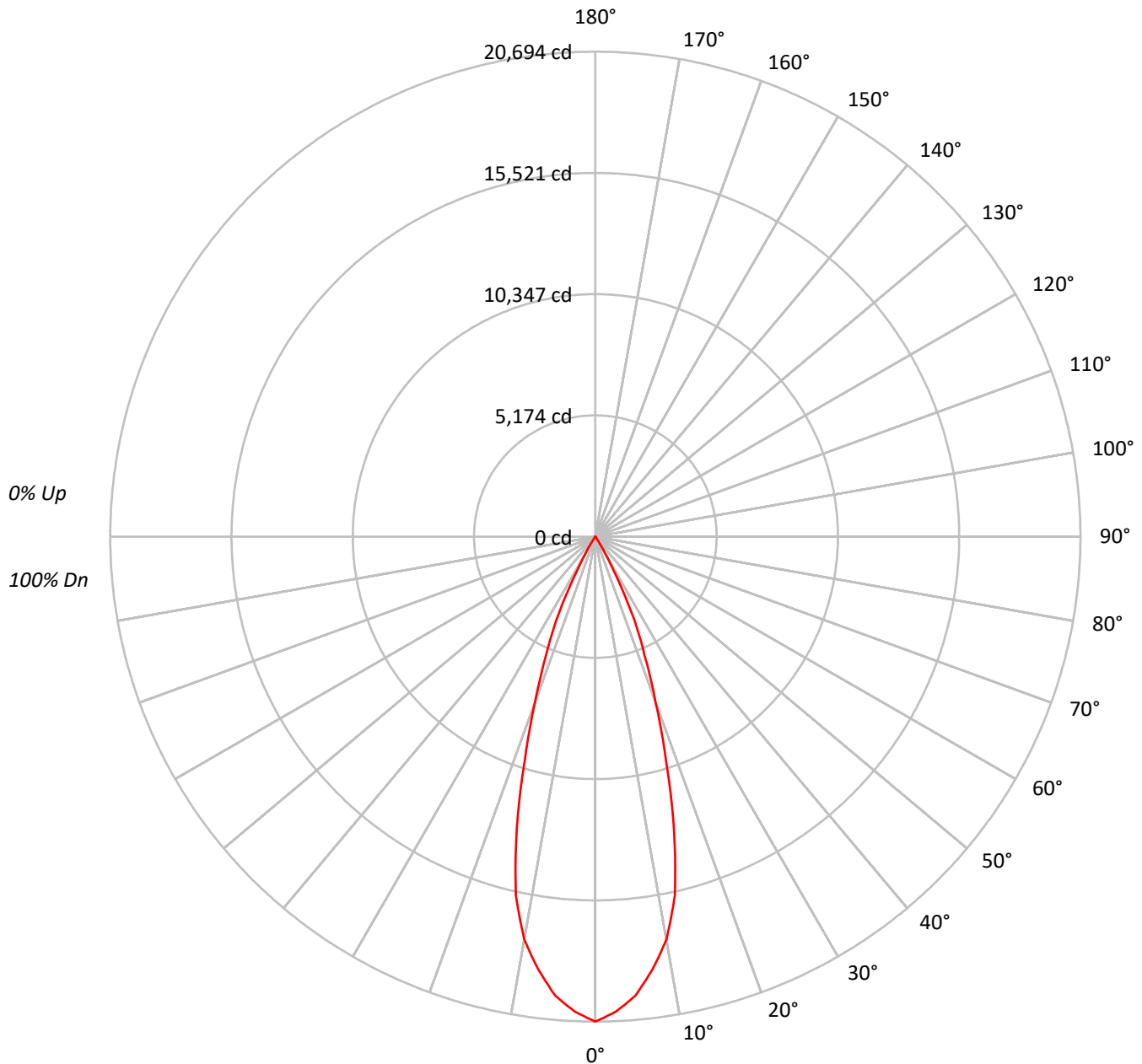
Lumens per Lamp: N/A
Luminaire Lumens: 7161.2 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 86.9
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92		
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89		
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86		
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83		
6	97	90	86	83	96	89	85	82	88	84	82	87	84	81	86	83	81	80		
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74		
9	88	81	77	74	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	70		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1134449
5°	1082052
10°	971865
15°	736077
20°	437841
25°	239240
30°	54407
35°	5160
40°	2090
45°	1023
50°	674
55°	640
60°	439
65°	519
70°	417
75°	297
80°	442
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1804.5	25.2
10°-20°	3473.2	48.5
20°-30°	1727.4	24.1
30°-40°	133.6	1.9
40°-50°	11.8	0.2
50°-60°	5.5	0.1
60°-70°	3.4	0.0
70°-80°	1.6	0.0
80°-90°	0.2	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°	7005.0	97.8
0°-40°	7138.6	99.7
0°-60°	7155.9	99.9
0°-90°	7161.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7161.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20694	
5°	19663	###
15°	12970	3473
25°	3955	1727
35°	77	134
45°	13	12
55°	7	5
65°	4	3
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	20694.0
2.5°	20284.9
5°	19663.1
7.5°	18628.1
10°	17458.9
12.5°	15681.2
15°	12969.6
17.5°	10016.2
20°	7505.2
22.5°	5505.6
25°	3955.2
27.5°	2072.6
30°	859.5
32.5°	341.4
35°	77.1
37.5°	45.2
40°	29.2
42.5°	19.9
45°	13.2
47.5°	10.6
50°	7.9
52.5°	6.7
55°	6.7
57.5°	5.3
60°	4.0
62.5°	4.0
65°	4.0
67.5°	2.6
70°	2.6
72.5°	1.4
75°	1.4
77.5°	1.4
80°	1.4
82.5°	0.0
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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)