

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: P1192813

Luminaire Tested: **LDA6A75935D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26683)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75935D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

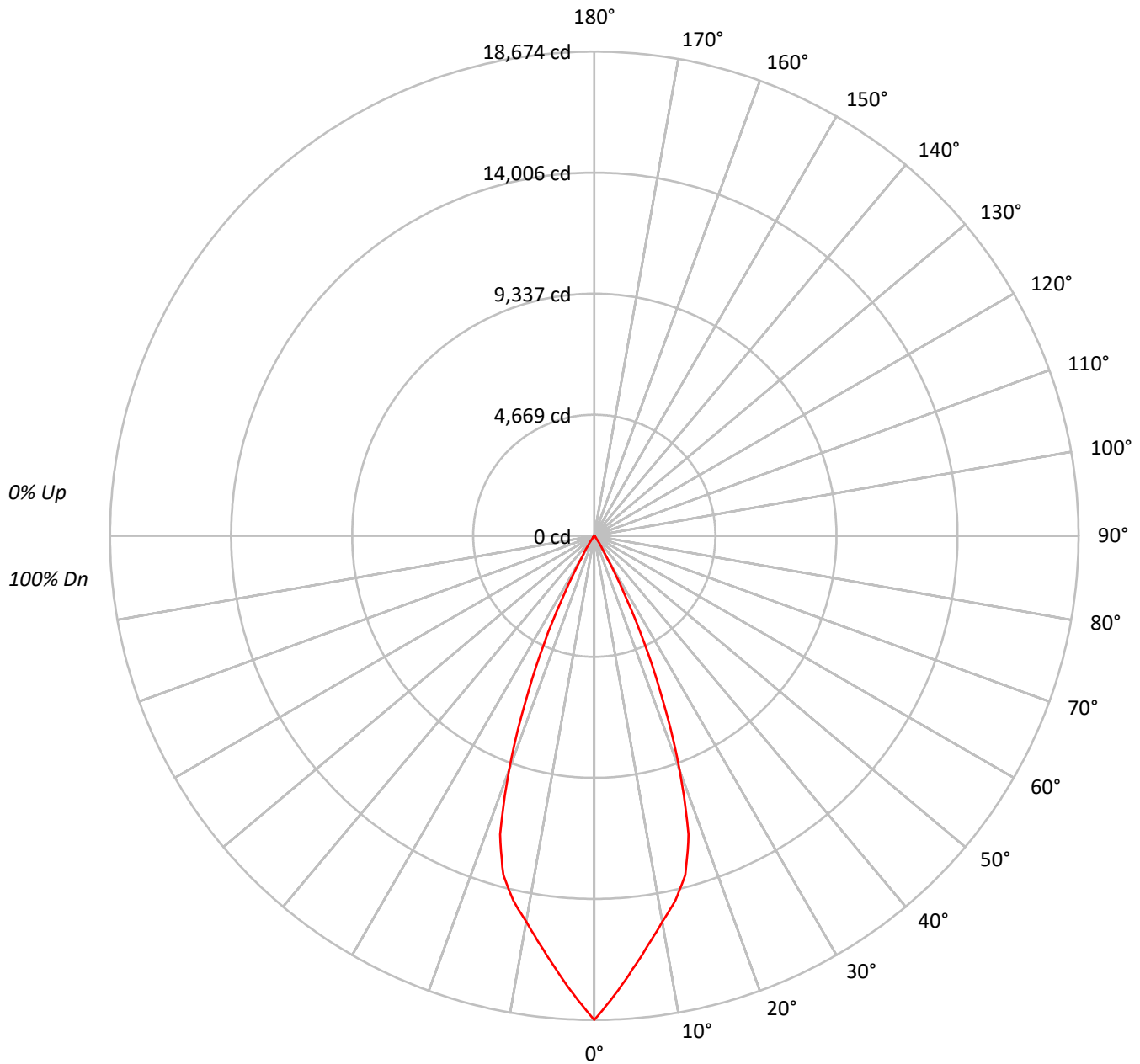
Lumens per Lamp: N/A
Luminaire Lumens: 7501.3 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1192813

CATALOG NUMBER: LDA6A75935D010TE LARH40FL 6LFC1H

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192813

CATALOG NUMBER: LDA6A75935D010TE LARH40FL 6LFC1H

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	115	112	110	108	112	110	108	107		106	105	104			103	101	100			99
2	110	107	103	101	108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94	105	100	97	94		98	95	92			95	93	91			93
4	103	97	92	89	101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85	98	92	88	84		90	86	84			89	85	83			87
6	96	89	84	81	94	88	84	81		87	83	80			85	82	80			84
7	92	85	81	77	91	85	80	77		83	80	77			82	79	76			81
8	89	82	77	74	88	81	77	74		80	77	74			80	76	73			79
9	86	79	74	71	85	78	74	71		78	74	71			77	73	71			76
10	84	76	72	69	83	76	71	68		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1023717
5°	924315
10°	841150
15°	768915
20°	561180
25°	276373
30°	59876
35°	11377
40°	3049
45°	1333
50°	793
55°	640
60°	581
65°	519
70°	417
75°	297
80°	0
85°	0



TEST NUMBER: P1192813

CATALOG NUMBER: LDA6A75935D010TE LARH40FL 6LFC1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1553.6	20.7
10°-20°	3639.4	48.5
20°-30°	2099.4	28.0
30°-40°	182.6	2.4
40°-50°	15.2	0.2
50°-60°	6.1	0.1
60°-70°	3.6	0.0
70°-80°	1.4	0.0
80°-90°	0.0	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°	7292.4	97.2
0°-40°	7475.0	99.6
0°-60°	7496.2	99.9
0°-90°	7501.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7501.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18674	
5°	16797	###
15°	13548	3639
25°	4569	2099
35°	170	183
45°	17	15
55°	7	6
65°	4	4
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1192813

CATALOG NUMBER: LDA6A75935D010TE LARH40FL 6LFC1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	18674.1
2.5°	17737.3
5°	16796.7
7.5°	15917.1
10°	15110.7
12.5°	14415.8
15°	13548.2
17.5°	12077.4
20°	9619.4
22.5°	6963.4
25°	4569.1
27.5°	2367.7
30°	945.9
32.5°	497.0
35°	170.0
37.5°	70.4
40°	42.6
42.5°	26.6
45°	17.2
47.5°	10.6
50°	9.3
52.5°	7.9
55°	6.7
57.5°	5.3
60°	5.3
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°	0.0
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

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)