

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: P1192810

Luminaire Tested: **LDA6A75935D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

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

**Test Information**

Test Method: LM-41-14
Report Number: P1192810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75935D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

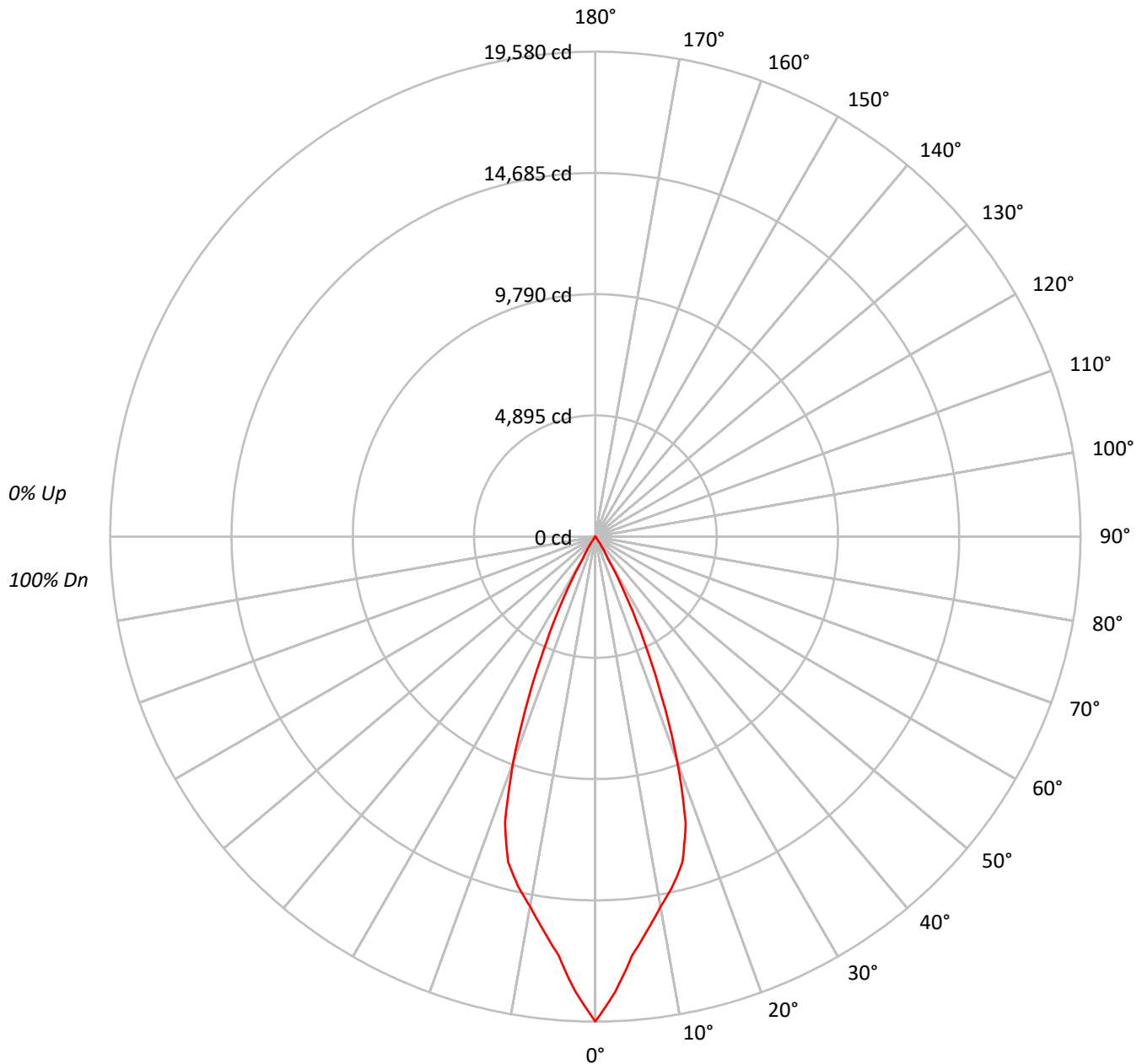
Lumens per Lamp: N/A
Luminaire Lumens: 7565.2 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P1192810

CATALOG NUMBER: LDA6A75935D010TE LARH40FL 6LA1LI

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192810

CATALOG NUMBER: LDA6A75935D010TE LARH40FL 6LA1LI

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	109	112	110	108	107		106	105	104			103	101	100			99
2	110	107	103	101	108	105	102	100		102	99	97			99	97	95			96
3	107	101	98	94	105	100	97	94		98	95	92			95	93	91			93
4	103	97	93	89	101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85	98	92	88	84		90	87	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		84	80	77			82	79	76			81
8	89	82	77	74	88	82	77	74		81	77	74			80	76	74			79
9	86	79	74	71	85	79	74	71		78	74	71			77	73	71			76
10	84	76	72	69	83	76	71	69		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1073352
5°	934457
10°	844317
15°	771469
20°	564914
25°	278762
30°	61896
35°	12535
40°	2090
45°	612
50°	119
55°	134
60°	153
65°	182
70°	224
75°	0
80°	0
85°	0



TEST NUMBER: P1192810

CATALOG NUMBER: LDA6A75935D010TE LARH40FL 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1574.1	20.8
10°-20°	3652.4	48.3
20°-30°	2142.4	28.3
30°-40°	185.4	2.5
40°-50°	8.1	0.1
50°-60°	1.3	0.0
60°-70°	1.4	0.0
70°-80°	0.2	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°	7368.9	97.4
0°-40°	7554.3	99.9
0°-60°	7563.6	100.0
0°-90°	7565.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7565.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19580	
5°	16981	###
15°	13593	3652
25°	4609	2142
35°	187	185
45°	8	8
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1192810

CATALOG NUMBER: LDA6A75935D010TE LARH40FL 6LA1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	19579.5
2.5°	18398.4
5°	16981.0
7.5°	16037.7
10°	15167.6
12.5°	14443.4
15°	13593.2
17.5°	12123.9
20°	9683.4
22.5°	7002.6
25°	4608.6
27.5°	2597.2
30°	977.8
32.5°	504.9
35°	187.3
37.5°	57.2
40°	29.2
42.5°	16.0
45°	7.9
47.5°	4.0
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4
70°	1.4
72.5°	0.0
75°	0.0
77.5°	0.0
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)