

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: P1192833

Luminaire Tested: **LDA6A75950D010TE LARH20SP 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: P1192833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26676)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75950D010TE LARH20SP 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

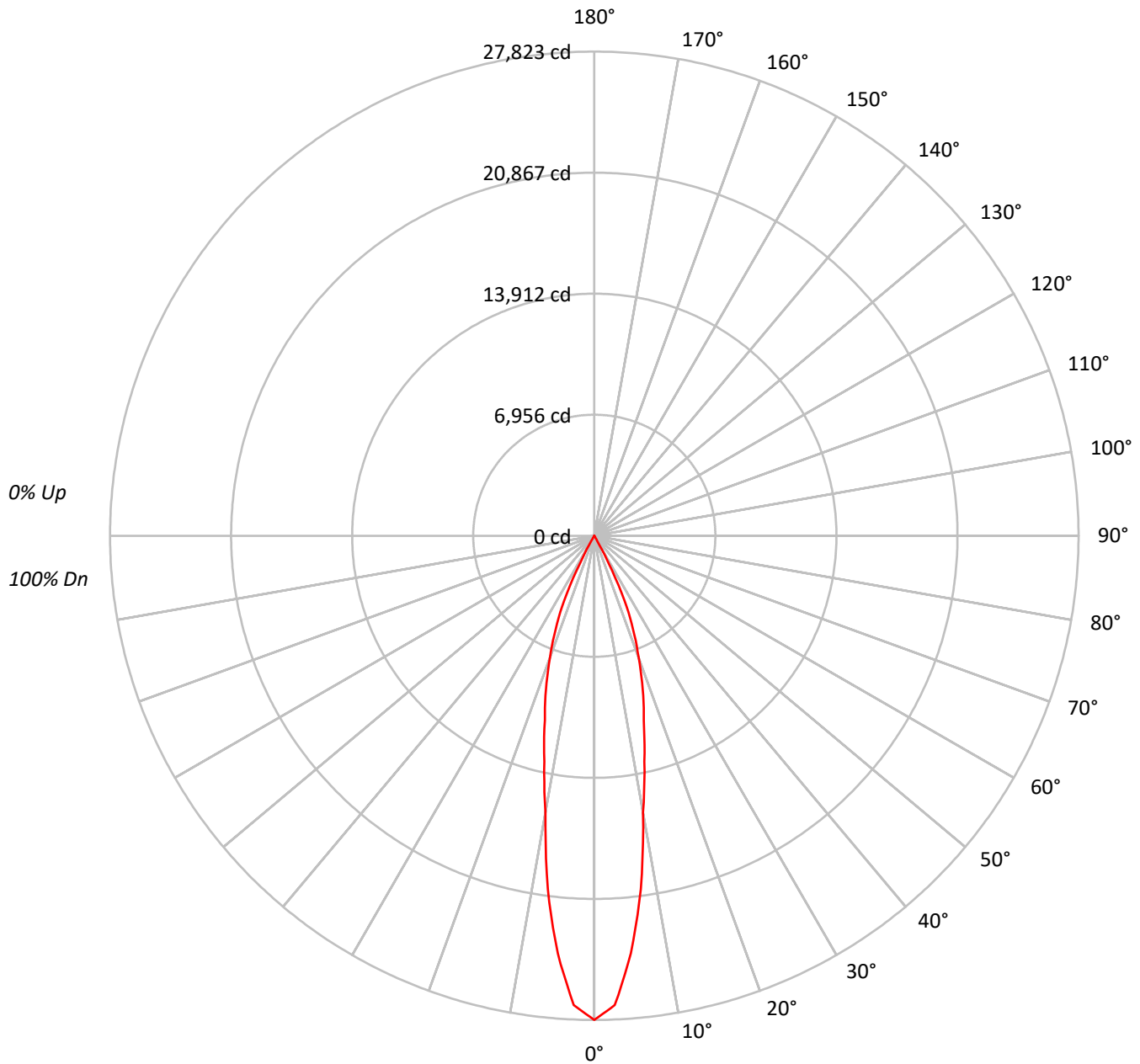
Lumens per Lamp: N/A
Luminaire Lumens: 6891.7 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.48
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P1192833

CATALOG NUMBER: LDA6A75950D010TE LARH20SP 6LA1LI

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192833

CATALOG NUMBER: LDA6A75950D010TE LARH20SP 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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		96
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		93
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		90
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		87
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		84
6	98	91	87	84	96	91	87	84	89	86	83		88	85	83		81
7	95	88	84	81	94	87	83	81	86	83	80		85	82	80		78
8	92	85	81	78	91	85	81	78	84	80	78		83	80	77		76
9	89	82	78	75	88	82	78	75	81	78	75		80	77	75		74
10	87	80	76	73	86	80	76	73	79	75	73		78	75	73		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1525245
5°	1326015
10°	898475
15°	622830
20°	434038
25°	249752
30°	19592
35°	1613
40°	809
45°	550
50°	478
55°	401
60°	460
65°	545
70°	433
75°	318
80°	474
85°	0



TEST NUMBER: P1192833

CATALOG NUMBER: LDA6A75950D010TE LARH20SP 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2050.7	29.8
10°-20°	3088.8	44.8
20°-30°	1701.6	24.7
30°-40°	35.2	0.5
40°-50°	5.7	0.1
50°-60°	4.2	0.1
60°-70°	3.6	0.1
70°-80°	1.7	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°	6841.0	99.3
0°-40°	6876.2	99.8
0°-60°	6886.1	99.9
0°-90°	6891.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6891.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27823	
5°	24096	###
15°	10974	3089
25°	4129	1702
35°	24	35
45°	7	6
55°	4	4
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P1192833

CATALOG NUMBER: LDA6A75950D010TE LARH20SP 6LA1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	27822.7
2.5°	26990.3
5°	24096.4
7.5°	20481.7
10°	16140.5
12.5°	13291.7
15°	10974.2
17.5°	9251.7
20°	7440.0
22.5°	5819.2
25°	4129.0
27.5°	1762.2
30°	309.5
32.5°	39.6
35°	24.1
37.5°	15.5
40°	11.3
42.5°	8.4
45°	7.1
47.5°	5.6
50°	5.6
52.5°	5.6
55°	4.2
57.5°	4.2
60°	4.2
62.5°	4.2
65°	4.2
67.5°	2.7
70°	2.7
72.5°	1.5
75°	1.5
77.5°	1.5
80°	1.5
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)