

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: P1192668

Luminaire Tested: **LDA6A65950D010TE LARH30NF 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: P1192668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A65950D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

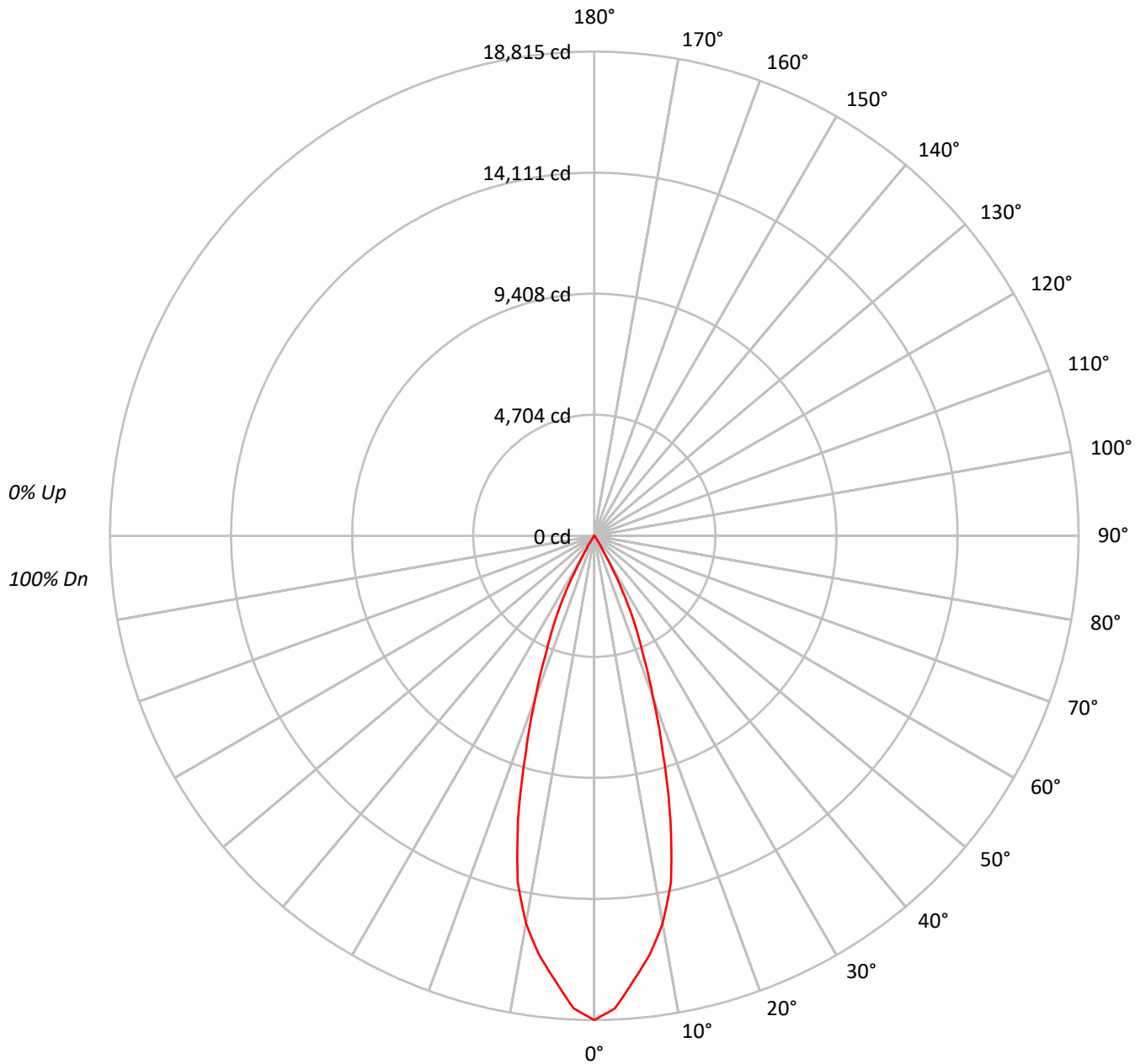
Lumens per Lamp: N/A
Luminaire Lumens: 6378.8 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 66.2
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: P1192668

CATALOG NUMBER: LDA6A65950D010TE LARH30NF 6LA1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1192668

CATALOG NUMBER: LDA6A65950D010TE LARH30NF 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	113	111	109	112	110	109	107		106	105	104			103	102	101			99
2	111	107	104	101	109	105	103	100		102	100	98			99	98	96			97
3	107	102	98	95	105	101	97	95		98	95	93			96	94	92			94
4	103	98	94	90	102	97	93	90		95	91	89			93	90	88			91
5	100	94	89	86	99	93	89	86		91	88	85			90	87	84			88
6	97	90	86	82	95	89	85	82		88	84	82			87	84	81			86
7	94	87	82	79	93	86	82	79		85	81	79			84	81	78			83
8	91	84	79	76	90	83	79	76		82	78	76			81	78	75			80
9	88	81	76	73	87	80	76	73		80	76	73			79	75	73			78
10	85	78	74	71	84	78	74	71		77	73	71			76	73	70			76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1031441
5°	955368
10°	851098
15°	649453
20°	389362
25°	214579
30°	53090
35°	4109
40°	1159
45°	442
50°	196
55°	220
60°	252
65°	143
70°	176
75°	233
80°	347
85°	0



TEST NUMBER: P1192668

CATALOG NUMBER: LDA6A65950D010TE LARH30NF 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1597.2	25.0
10°-20°	3062.0	48.0
20°-30°	1581.3	24.8
30°-40°	128.2	2.0
40°-50°	5.2	0.1
50°-60°	2.1	0.0
60°-70°	1.5	0.0
70°-80°	1.2	0.0
80°-90°	0.1	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°	6240.5	97.8
0°-40°	6368.7	99.8
0°-60°	6375.9	100.0
0°-90°	6378.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6378.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18815	
5°	17361	###
15°	11443	3062
25°	3548	1581
35°	61	128
45°	6	5
55°	2	2
65°	1	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1192668

CATALOG NUMBER: LDA6A65950D010TE LARH30NF 6LA1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	18815.0
2.5°	18386.0
5°	17361.0
7.5°	16427.6
10°	15289.4
12.5°	13759.1
15°	11443.3
17.5°	8871.9
20°	6674.2
22.5°	4892.9
25°	3547.5
27.5°	2136.5
30°	838.7
32.5°	356.2
35°	61.4
37.5°	30.1
40°	16.2
42.5°	9.2
45°	5.7
47.5°	3.4
50°	2.3
52.5°	2.3
55°	2.3
57.5°	2.3
60°	2.3
62.5°	2.3
65°	1.1
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
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)