

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: P1192530

Luminaire Tested: **LDA6A60930D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26681)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A60930D010TE LARH20SP 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

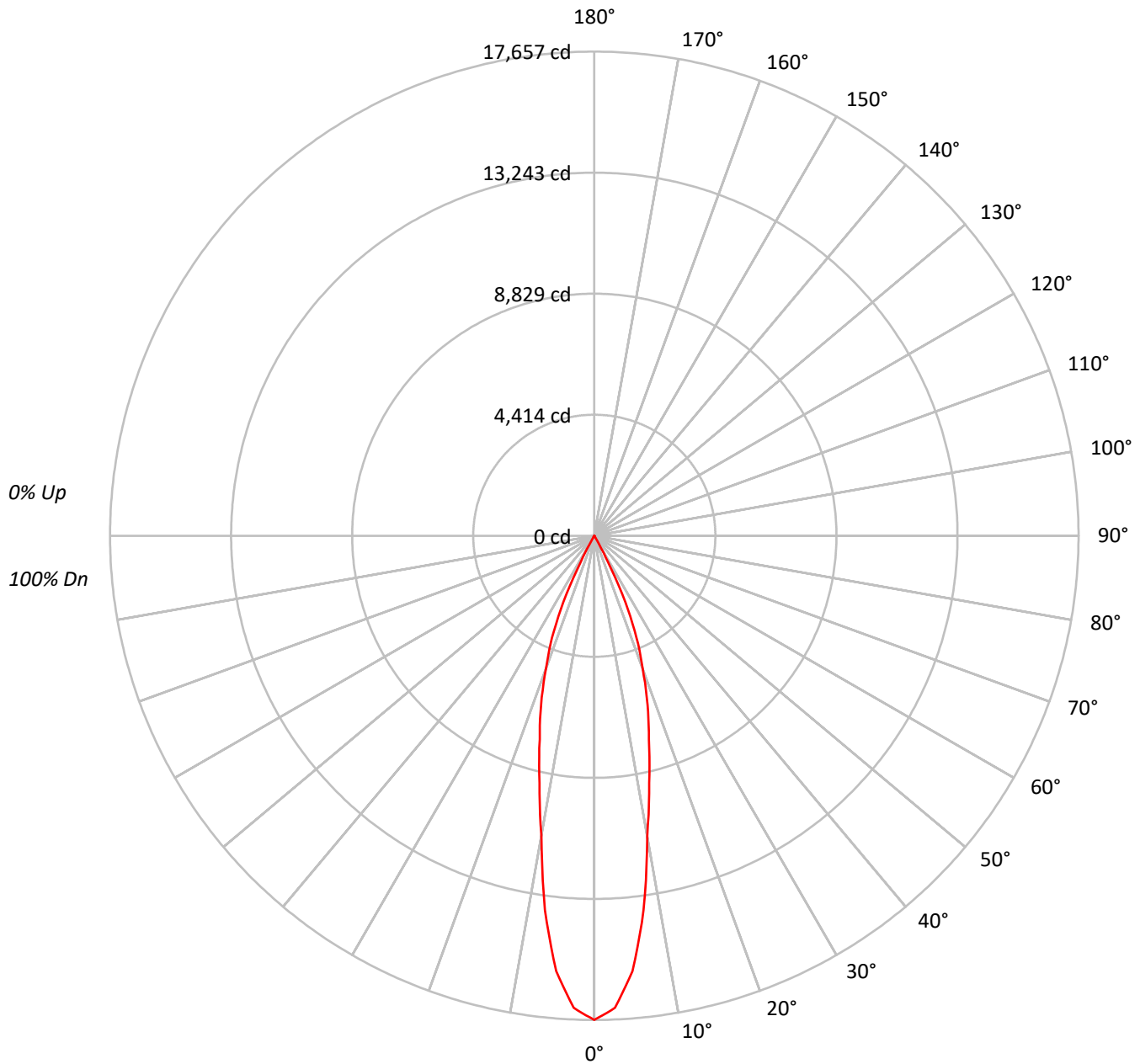
Lumens per Lamp: N/A
Luminaire Lumens: 4707.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 71.8
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: P1192530

CATALOG NUMBER: LDA6A60930D010TE LARH20SP 6LFC1H

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192530

CATALOG NUMBER: LDA6A60930D010TE LARH20SP 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	113	111	109	113	111	109	107		107	105	104			103	102	101			100
2	111	107	104	102	109	106	103	101		103	100	98			100	98	96			97
3	107	103	99	96	106	101	98	95		99	96	94			96	94	92			94
4	104	98	94	91	102	97	94	91		95	92	90			93	91	89			92
5	101	94	90	87	99	94	90	87		92	89	86			91	88	85			89
6	97	91	87	84	96	90	86	83		89	85	83			88	85	82			87
7	94	88	83	80	93	87	83	80		86	82	80			85	82	79			84
8	92	85	81	78	91	84	80	77		83	80	77			83	79	77			82
9	89	82	78	75	88	82	78	75		81	77	75			80	77	74			79
10	87	80	75	73	86	79	75	73		79	75	72			78	75	72			77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	967949
5°	877023
10°	618370
15°	436773
20°	300828
25°	162148
30°	11432
35°	2737
40°	1746
45°	1209
50°	998
55°	650
60°	537
65°	506
70°	305
75°	212
80°	316
85°	0



TEST NUMBER: P1192530

CATALOG NUMBER: LDA6A60930D010TE LARH20SP 6LFC1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1363.7	29.0
10°-20°	2150.1	45.7
20°-30°	1134.2	24.1
30°-40°	34.6	0.7
40°-50°	12.6	0.3
50°-60°	6.6	0.1
60°-70°	3.7	0.1
70°-80°	1.4	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°	4647.9	98.7
0°-40°	4682.5	99.5
0°-60°	4701.7	99.9
0°-90°	4707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4707.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17657	
5°	15937	###
15°	7696	2150
25°	2681	1134
35°	41	35
45°	16	13
55°	7	7
65°	4	4
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1192530

CATALOG NUMBER: LDA6A60930D010TE LARH20SP 6LFC1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	17656.8
2.5°	17233.3
5°	15937.3
7.5°	13767.9
10°	11108.6
12.5°	9229.9
15°	7695.9
17.5°	6460.4
20°	5156.6
22.5°	4029.4
25°	2680.7
27.5°	1051.0
30°	180.6
32.5°	55.6
35°	40.9
37.5°	30.2
40°	24.4
42.5°	19.5
45°	15.6
47.5°	12.7
50°	11.7
52.5°	8.8
55°	6.8
57.5°	5.8
60°	4.9
62.5°	4.9
65°	3.9
67.5°	2.9
70°	1.9
72.5°	1.9
75°	1.0
77.5°	1.0
80°	1.0
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)