

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: P1192779

Luminaire Tested: **LDA6A75927D010TE LARH40FL 6LFC1H**

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: P1192779
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: LDA6A75927D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

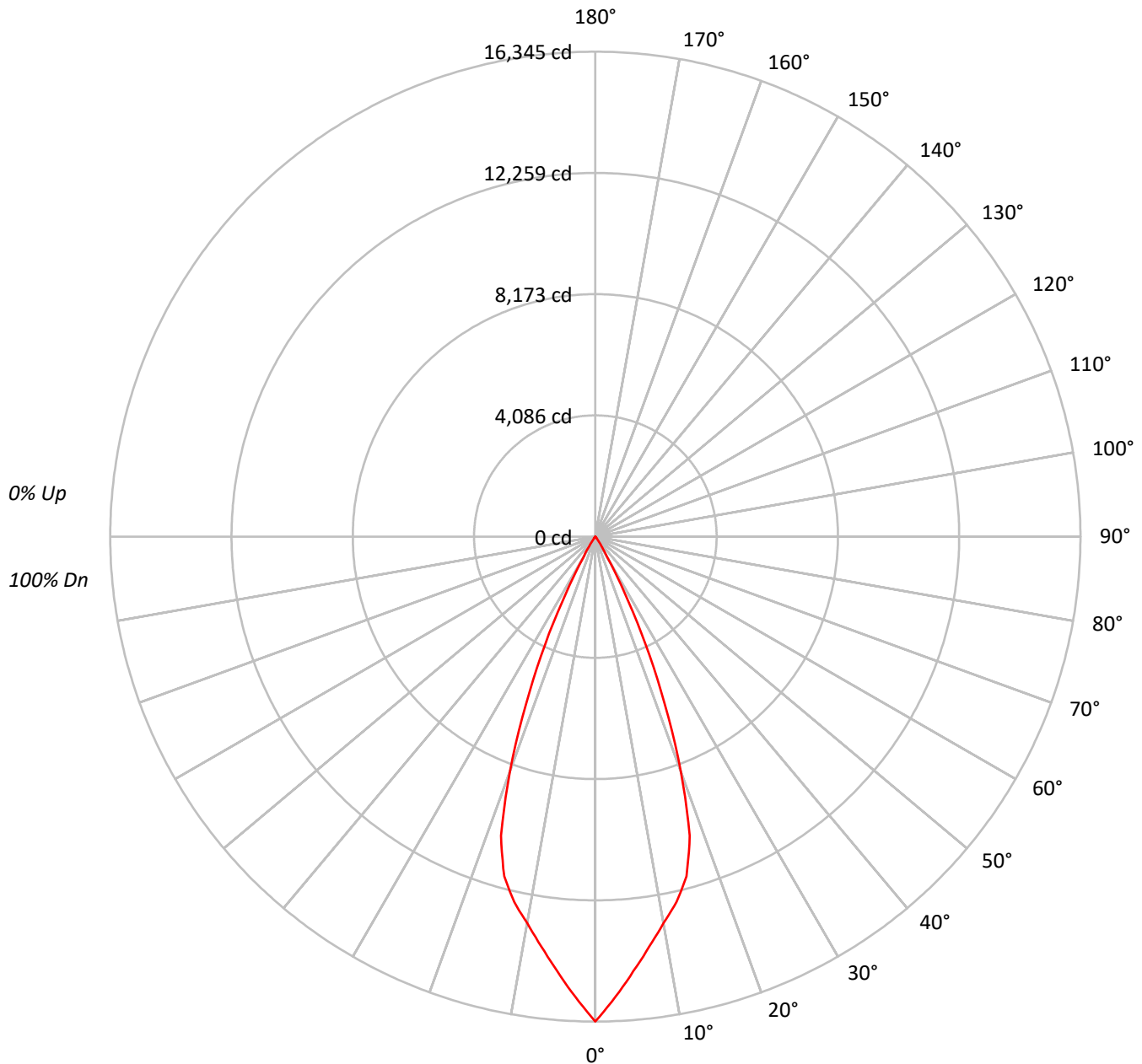
Lumens per Lamp: N/A
Luminaire Lumens: 6565.7 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P1192779

CATALOG NUMBER: LDA6A75927D010TE LARH40FL 6LFC1H

Luminous Intensity Polar Plot





TEST NUMBER: P1192779

CATALOG NUMBER: LDA6A75927D010TE 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	98	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°	896047
5°	809045
10°	736253
15°	673023
20°	491192
25°	241913
30°	52413
35°	9965
40°	2655
45°	1171
50°	691
55°	545
60°	515
65°	441
70°	369
75°	233
80°	0
85°	0



TEST NUMBER: P1192779

CATALOG NUMBER: LDA6A75927D010TE LARH40FL 6LFC1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1359.8	20.7
10°-20°	3185.5	48.5
20°-30°	1837.6	28.0
30°-40°	159.8	2.4
40°-50°	13.3	0.2
50°-60°	5.3	0.1
60°-70°	3.1	0.0
70°-80°	1.2	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°	6383.0	97.2
0°-40°	6542.8	99.7
0°-60°	6561.4	99.9
0°-90°	6565.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6565.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16345	
5°	14702	###
15°	11859	3186
25°	3999	1838
35°	149	160
45°	15	13
55°	6	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1192779

CATALOG NUMBER: LDA6A75927D010TE LARH40FL 6LFC1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	16345.2
2.5°	15525.3
5°	14702.0
7.5°	13932.2
10°	13226.3
12.5°	12618.1
15°	11858.6
17.5°	10571.3
20°	8419.7
22.5°	6095.0
25°	3999.4
27.5°	2072.4
30°	828.0
32.5°	435.0
35°	148.9
37.5°	61.7
40°	37.1
42.5°	23.3
45°	15.1
47.5°	9.3
50°	8.1
52.5°	7.0
55°	5.7
57.5°	4.7
60°	4.7
62.5°	3.4
65°	3.4
67.5°	2.3
70°	2.3
72.5°	1.1
75°	1.1
77.5°	1.1
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)