

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: P1192727

Luminaire Tested: **LDA6A70935D010TE LARH40FL 6LAL1LI**

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: P1192727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26680)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A70935D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

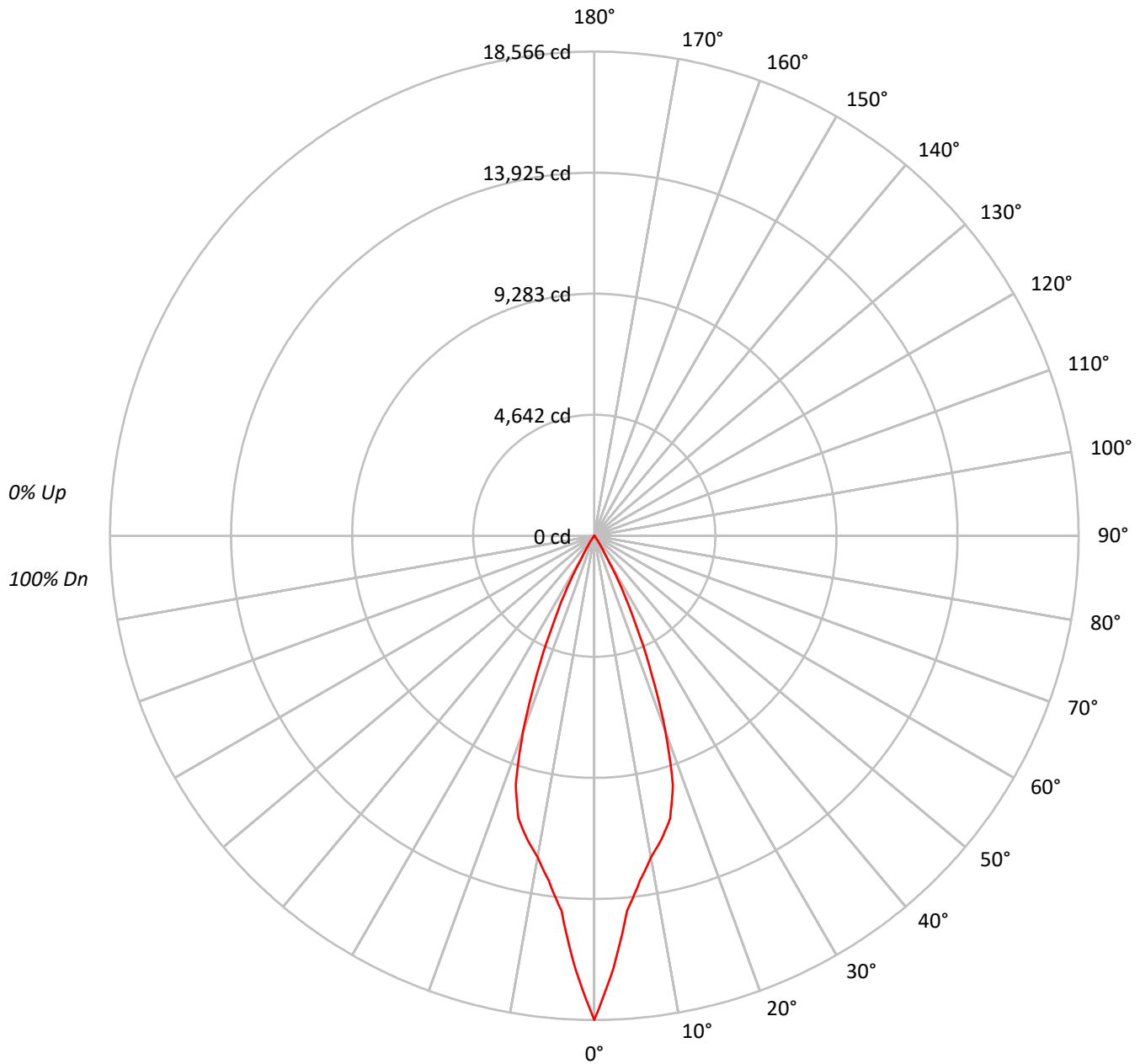
Lumens per Lamp: N/A
Luminaire Lumens: 6331.3 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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

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Luminous Intensity Polar Plot





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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	112	110	108		112	110	108	107		106	105	103			103	101	100			96
2	110	107	103	101		108	105	102	99		102	99	97			99	97	95			92
3	106	101	97	94		105	100	96	94		98	95	92			95	93	91			88
4	103	97	92	89		101	96	92	89		94	90	88			92	89	87			84
5	99	93	88	85		98	92	87	84		90	86	84			88	85	83			81
6	96	89	84	81		94	88	84	80		87	83	80			85	82	79			78
7	92	85	80	77		91	85	80	77		83	79	77			82	79	76			75
8	89	82	77	74		88	81	77	74		80	76	74			79	76	73			72
9	86	79	74	71		85	78	74	71		78	74	71			77	73	71			69
10	83	76	71	68		83	76	71	68		75	71	68			74	71	68			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1017802
5°	794666
10°	696898
15°	636916
20°	465220
25°	227015
30°	55407
35°	12675
40°	2727
45°	1240
50°	623
55°	937
60°	943
65°	804
70°	593
75°	508
80°	410
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1337.9	21.1
10°-20°	3013.7	47.6
20°-30°	1775.3	28.0
30°-40°	173.3	2.7
40°-50°	13.8	0.2
50°-60°	7.8	0.1
60°-70°	6.1	0.1
70°-80°	2.9	0.0
80°-90°	0.5	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°	6126.8	96.8
0°-40°	6300.1	99.5
0°-60°	6321.8	99.9
0°-90°	6331.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6331.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18566	
5°	14441	###
15°	11222	3014
25°	3753	1775
35°	189	173
45°	16	14
55°	10	8
65°	6	6
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18566.2
2.5°	16617.8
5°	14440.7
7.5°	13353.9
10°	12519.3
12.5°	11912.1
15°	11222.4
17.5°	10009.1
20°	7974.5
22.5°	5752.0
25°	3753.1
27.5°	2239.8
30°	875.3
32.5°	458.6
35°	189.4
37.5°	62.7
40°	38.1
42.5°	24.6
45°	16.0
47.5°	9.8
50°	7.3
52.5°	8.6
55°	9.8
57.5°	8.6
60°	8.6
62.5°	7.3
65°	6.2
67.5°	4.9
70°	3.7
72.5°	3.7
75°	2.4
77.5°	2.4
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)