

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: P1192557

Luminaire Tested: **LDA6A60935D010TE 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: P1192557
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: LDA6A60935D010TE 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

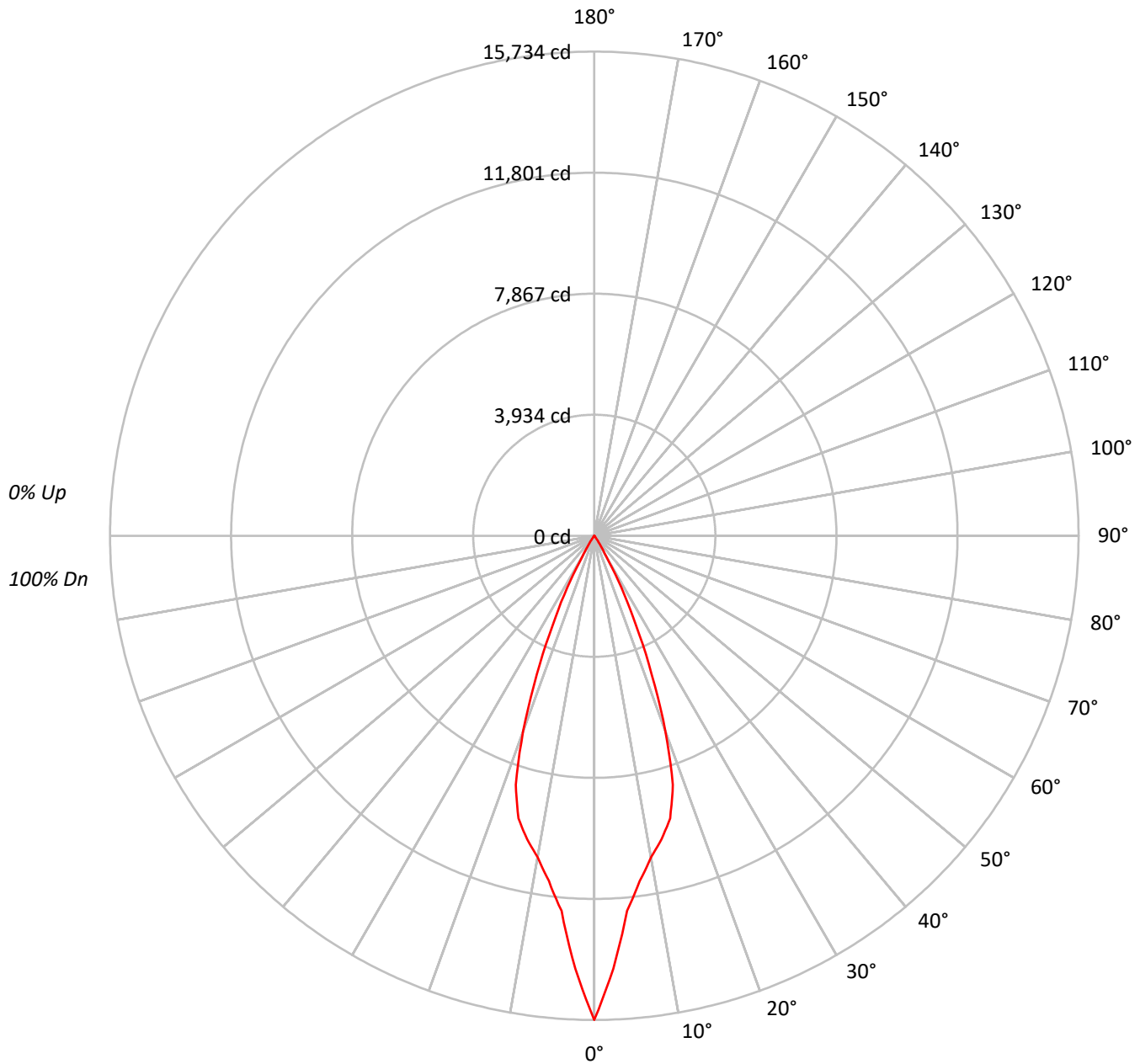
Lumens per Lamp: N/A
Luminaire Lumens: 5365.3 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	862519
5°	673424
10°	590570
15°	539742
20°	394239
25°	192380
30°	46950
35°	10741
40°	2311
45°	1047
50°	529
55°	793
60°	800
65°	675
70°	513
75°	445
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1133.7	21.1
10°-20°	2553.9	47.6
20°-30°	1504.4	28.0
30°-40°	146.8	2.7
40°-50°	11.7	0.2
50°-60°	6.7	0.1
60°-70°	5.1	0.1
70°-80°	2.5	0.0
80°-90°	0.4	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°	5192.1	96.8
0°-40°	5338.9	99.5
0°-60°	5357.2	99.8
0°-90°	5365.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5365.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15734	
5°	12238	###
15°	9510	2554
25°	3180	1504
35°	160	147
45°	14	12
55°	8	7
65°	5	5
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15733.6
2.5°	14082.4
5°	12237.5
7.5°	11316.5
10°	10609.2
12.5°	10094.6
15°	9510.2
17.5°	8482.0
20°	6757.8
22.5°	4874.4
25°	3180.5
27.5°	1898.0
30°	741.7
32.5°	388.6
35°	160.5
37.5°	53.1
40°	32.3
42.5°	20.8
45°	13.5
47.5°	8.3
50°	6.2
52.5°	7.3
55°	8.3
57.5°	7.3
60°	7.3
62.5°	6.2
65°	5.2
67.5°	4.1
70°	3.2
72.5°	3.2
75°	2.1
77.5°	2.1
80°	1.1
82.5°	1.1
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



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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)