

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: P1192693

Luminaire Tested: **LDA6A70927D010TE 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: P1192693
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: LDA6A70927D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

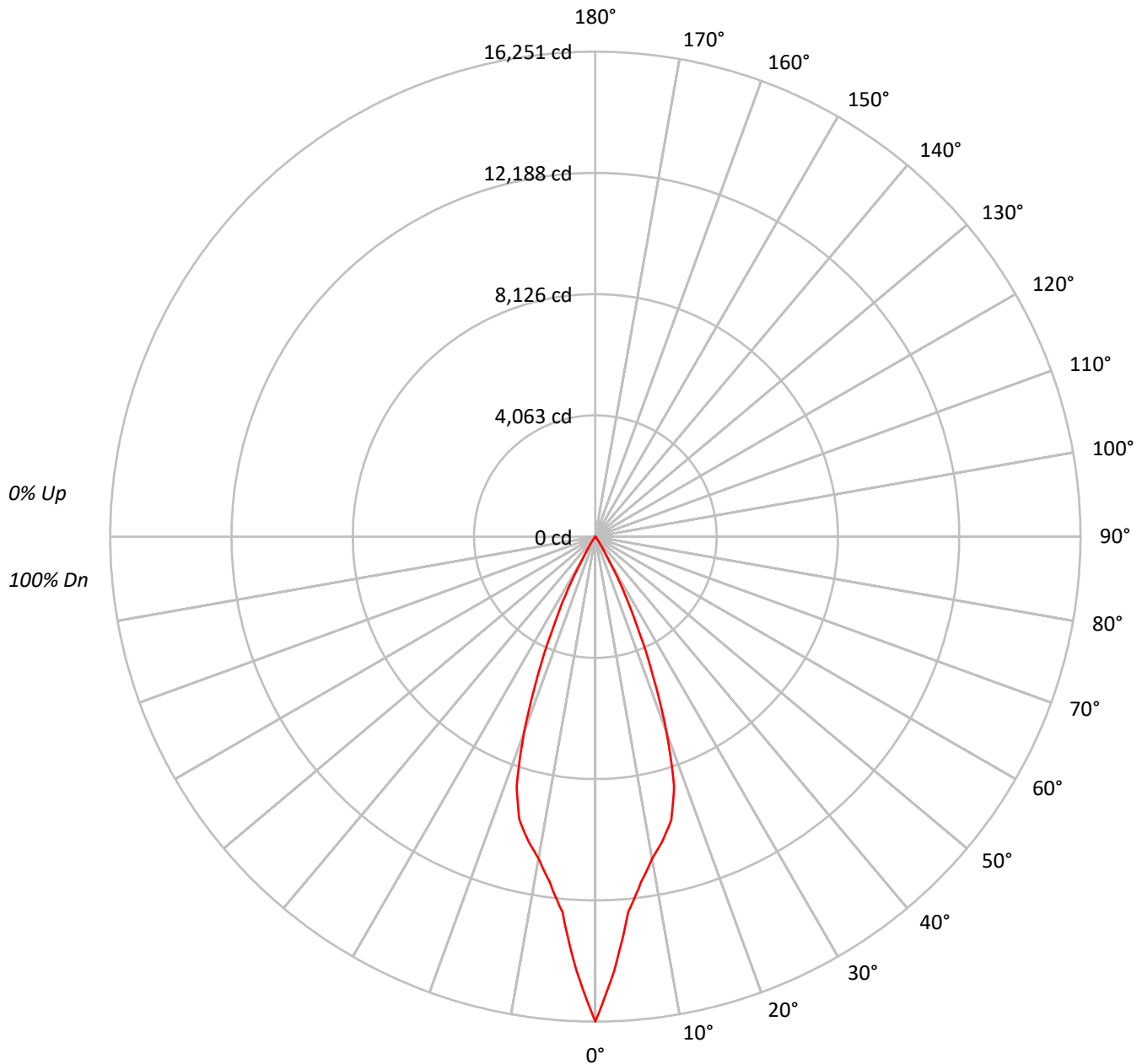
Lumens per Lamp: N/A
Luminaire Lumens: 5541.6 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	890872
5°	695563
10°	609986
15°	557489
20°	407202
25°	198701
30°	48495
35°	11089
40°	2390
45°	1078
50°	554
55°	822
60°	822
65°	687
70°	513
75°	466
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1171.0	21.1
10°-20°	2637.8	47.6
20°-30°	1553.9	28.0
30°-40°	151.6	2.7
40°-50°	12.1	0.2
50°-60°	6.9	0.1
60°-70°	5.3	0.1
70°-80°	2.6	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°	5362.8	96.8
0°-40°	5514.4	99.5
0°-60°	5533.4	99.9
0°-90°	5541.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5541.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16251	
5°	12640	###
15°	9823	2638
25°	3285	1554
35°	166	152
45°	14	12
55°	9	7
65°	5	5
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16250.8
2.5°	14545.4
5°	12639.8
7.5°	11688.6
10°	10958.0
12.5°	10426.5
15°	9822.9
17.5°	8760.8
20°	6980.0
22.5°	5034.6
25°	3285.0
27.5°	1960.5
30°	766.1
32.5°	401.3
35°	165.7
37.5°	54.9
40°	33.4
42.5°	21.6
45°	13.9
47.5°	8.6
50°	6.5
52.5°	7.5
55°	8.6
57.5°	7.5
60°	7.5
62.5°	6.5
65°	5.3
67.5°	4.3
70°	3.2
72.5°	3.2
75°	2.2
77.5°	2.2
80°	1.0
82.5°	1.0
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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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)