

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: P1192829

Luminaire Tested: **LDA6A75940D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192829
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: LDA6A75940D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

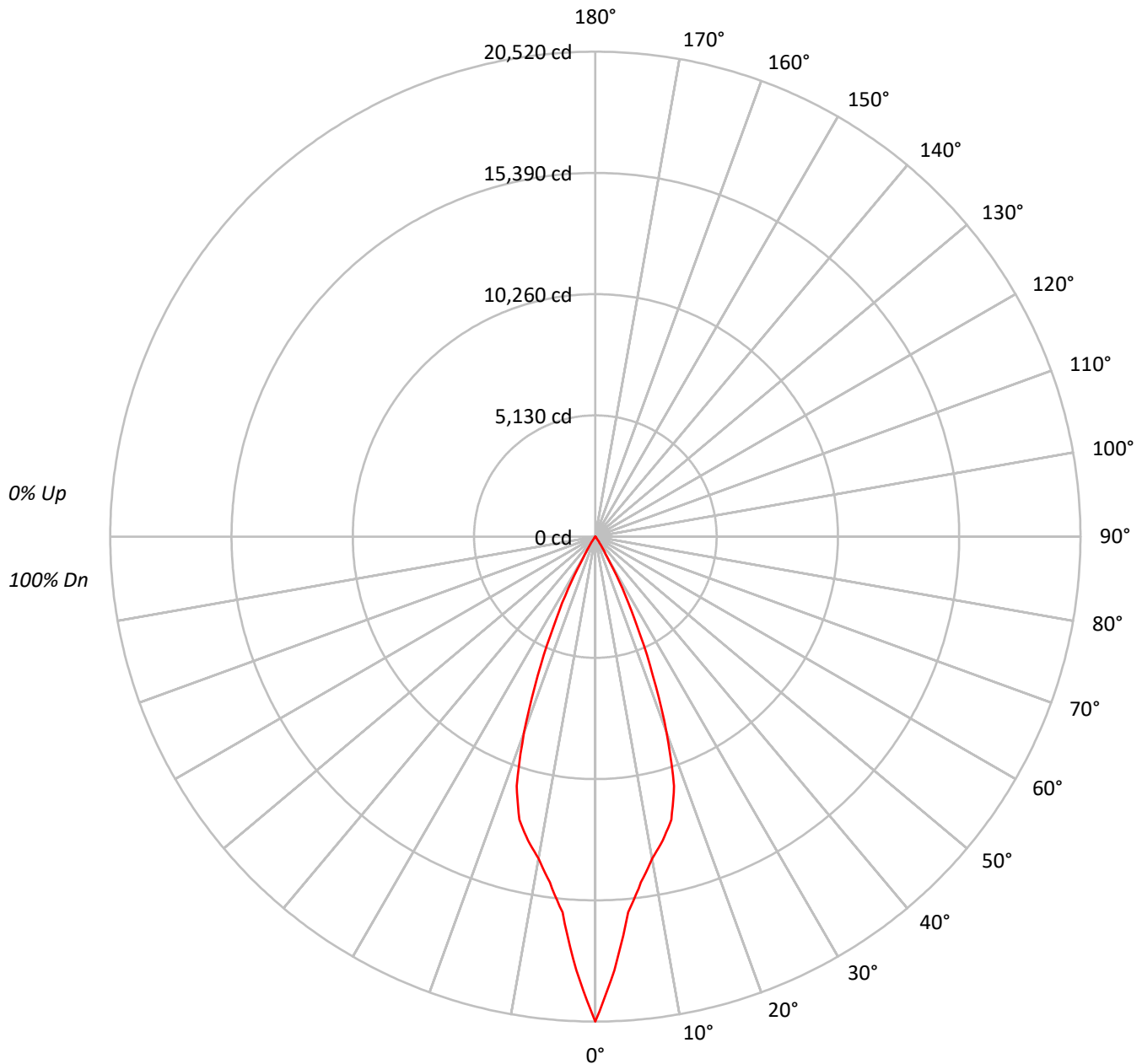
Lumens per Lamp: N/A
Luminaire Lumens: 6997.5 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84		
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78		
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75		
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72		
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69		
10	83	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1124915
5°	878300
10°	770232
15°	703948
20°	514183
25°	250902
30°	61237
35°	14000
40°	3013
45°	1372
50°	691
55°	1042
60°	1042
65°	882
70°	641
75°	551
80°	442
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1478.7	21.1
10°-20°	3330.8	47.6
20°-30°	1962.1	28.0
30°-40°	191.5	2.7
40°-50°	15.3	0.2
50°-60°	8.7	0.1
60°-70°	6.7	0.1
70°-80°	3.1	0.0
80°-90°	0.6	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°	6771.6	96.8
0°-40°	6963.1	99.5
0°-60°	6987.1	99.9
0°-90°	6997.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6997.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20520	
5°	15960	###
15°	12404	3331
25°	4148	1962
35°	209	191
45°	18	15
55°	11	9
65°	7	7
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20520.1
2.5°	18366.7
5°	15960.5
7.5°	14759.4
10°	13836.7
12.5°	13165.6
15°	12403.5
17.5°	11062.3
20°	8813.8
22.5°	6357.2
25°	4148.0
27.5°	2475.6
30°	967.4
32.5°	506.8
35°	209.2
37.5°	69.3
40°	42.1
42.5°	27.2
45°	17.7
47.5°	10.9
50°	8.1
52.5°	9.5
55°	10.9
57.5°	9.5
60°	9.5
62.5°	8.1
65°	6.8
67.5°	5.4
70°	4.0
72.5°	4.0
75°	2.6
77.5°	2.6
80°	1.4
82.5°	1.4
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

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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(END OF REPORT)