

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: P1192504

Luminaire Tested: **LDA6A55950D010TE LARH40FL 6LA1LI**

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: P1192504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55950D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

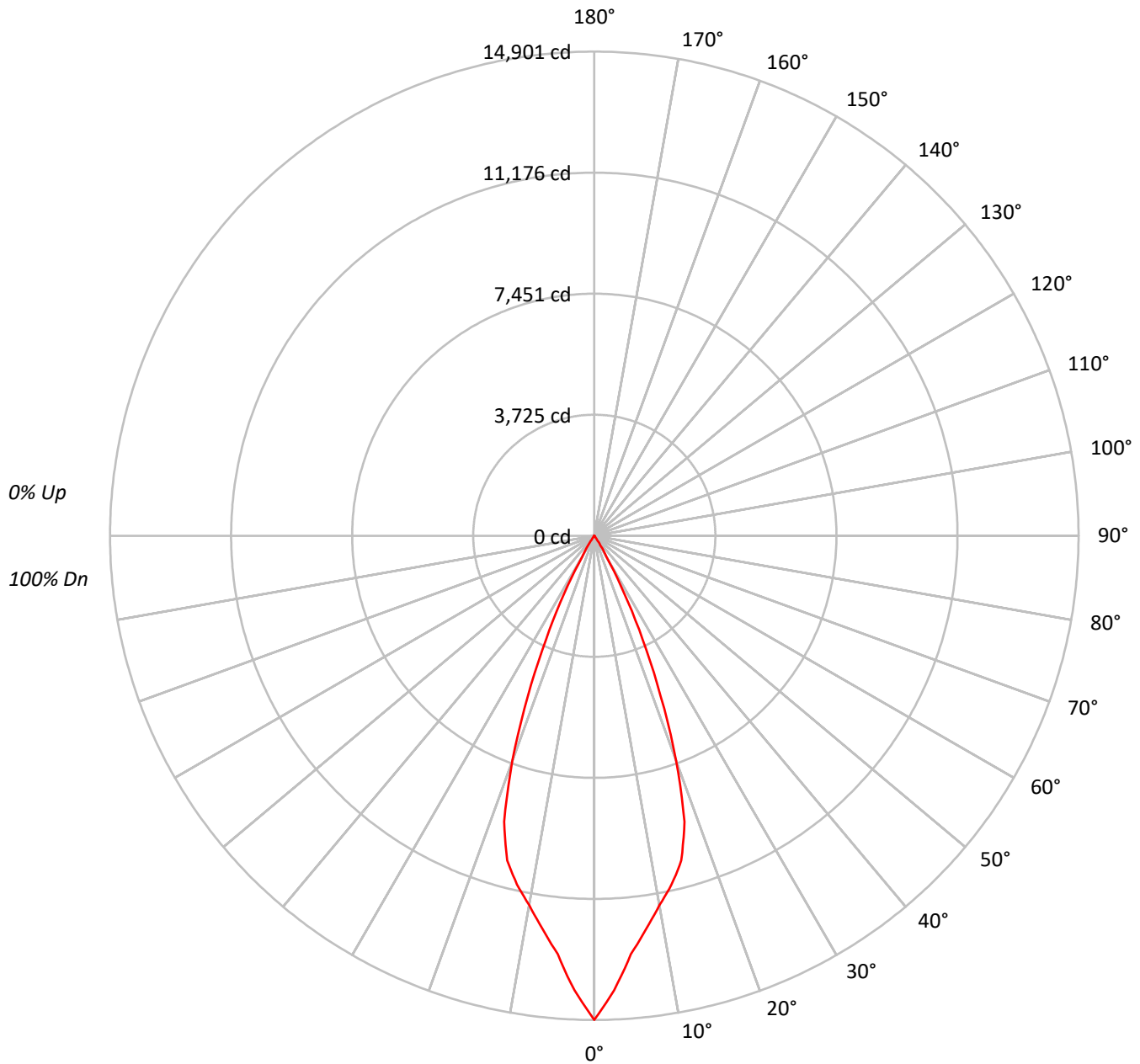
Lumens per Lamp: N/A
Luminaire Lumens: 5757.3 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.7
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	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96		
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92		
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88		
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85		
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	85	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75		
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	86	79	74	71	85	79	74	71	78	74	71	77	73	71	76	73	71	70		
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	816864
5°	711153
10°	642557
15°	587120
20°	429919
25°	212153
30°	47102
35°	9543
40°	1589
45°	465
50°	85
55°	96
60°	110
65°	130
70°	160
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1197.9	20.8
10°-20°	2779.6	48.3
20°-30°	1630.5	28.3
30°-40°	141.1	2.5
40°-50°	6.1	0.1
50°-60°	0.9	0.0
60°-70°	1.0	0.0
70°-80°	0.1	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°	5608.1	97.4
0°-40°	5749.1	99.9
0°-60°	5756.2	100.0
0°-90°	5757.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5757.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14901	
5°	12923	###
15°	10345	2780
25°	3507	1630
35°	143	141
45°	6	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14900.8
2.5°	14001.9
5°	12923.1
7.5°	12205.3
10°	11543.1
12.5°	10992.2
15°	10345.0
17.5°	9226.9
20°	7369.4
22.5°	5329.2
25°	3507.4
27.5°	1976.6
30°	744.1
32.5°	384.2
35°	142.6
37.5°	43.5
40°	22.2
42.5°	12.2
45°	6.0
47.5°	3.0
50°	1.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	0.0
75°	0.0
77.5°	0.0
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



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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)