

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: P1192676

Luminaire Tested: **LDA6A65950D010TE 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: P1192676
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: LDA6A65950D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

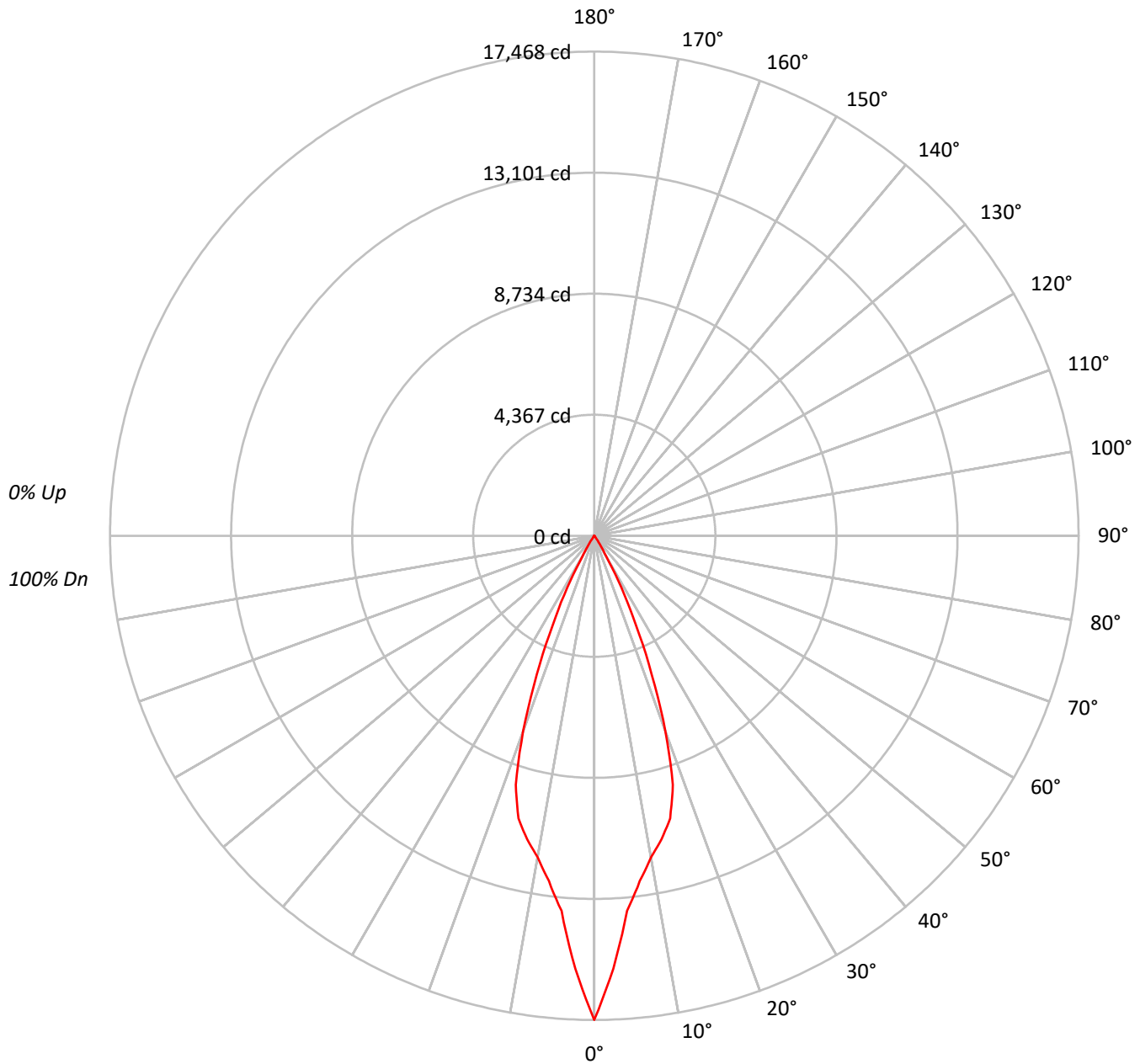
Lumens per Lamp: N/A
Luminaire Lumens: 5956.7 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 66.2
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°	957588
5°	747659
10°	655671
15°	599237
20°	437701
25°	213587
30°	52128
35°	11912
40°	2562
45°	1171
50°	597
55°	879
60°	888
65°	739
70°	545
75°	487
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1258.7	21.1
10°-20°	2835.4	47.6
20°-30°	1670.3	28.0
30°-40°	163.0	2.7
40°-50°	13.0	0.2
50°-60°	7.4	0.1
60°-70°	5.7	0.1
70°-80°	2.7	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°	5764.4	96.8
0°-40°	5927.4	99.5
0°-60°	5947.8	99.9
0°-90°	5956.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5956.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17468	
5°	13586	###
15°	10558	2835
25°	3531	1670
35°	178	163
45°	15	13
55°	9	7
65°	6	6
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17467.8
2.5°	15634.7
5°	13586.5
7.5°	12564.0
10°	11778.7
12.5°	11207.4
15°	10558.5
17.5°	9416.9
20°	7502.8
22.5°	5411.6
25°	3531.1
27.5°	2107.4
30°	823.5
32.5°	431.4
35°	178.0
37.5°	59.0
40°	35.8
42.5°	23.2
45°	15.1
47.5°	9.2
50°	7.0
52.5°	8.1
55°	9.2
57.5°	8.1
60°	8.1
62.5°	7.0
65°	5.7
67.5°	4.7
70°	3.4
72.5°	3.4
75°	2.3
77.5°	2.3
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)