

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: P1192336

Luminaire Tested: **LDA6A45950D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26664)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45950D010TE 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

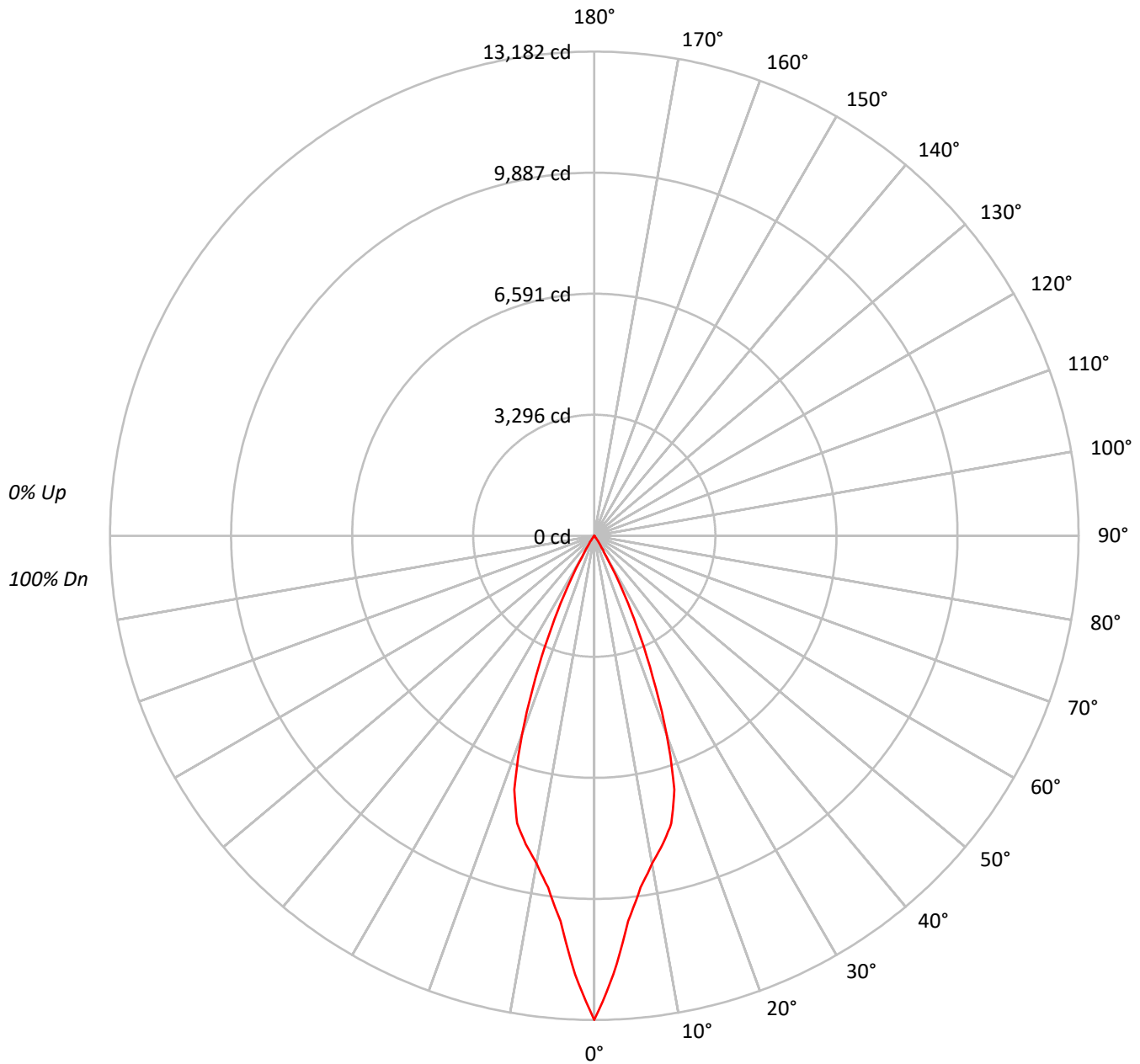
Lumens per Lamp: N/A
Luminaire Lumens: 4577.5 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	107	103	101		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	94		98	95	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	87	84		90	86	84		88	85	83		87	84	82
6	96	89	84	81		94	88	84	80		87	83	80		85	82	79		84	81	79
7	92	85	80	77		91	85	80	77		83	80	77		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	76	74		79	76	73		79	75	73
9	86	79	74	71		85	78	74	71		78	74	71		77	73	71		76	73	70
10	84	76	71	68		83	76	71	68		75	71	68		74	71	68		74	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	722612
5°	579439
10°	504060
15°	460031
20°	336222
25°	165221
30°	40513
35°	8841
40°	1947
45°	783
50°	426
55°	679
60°	658
65°	532
70°	481
75°	445
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	968.0	21.1
10°-20°	2178.4	47.6
20°-30°	1284.9	28.1
30°-40°	123.9	2.7
40°-50°	9.6	0.2
50°-60°	5.8	0.1
60°-70°	4.1	0.1
70°-80°	2.4	0.1
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°	4431.3	96.8
0°-40°	4555.2	99.5
0°-60°	4570.6	99.8
0°-90°	4577.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4577.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13182	
5°	10530	968
15°	8106	2178
25°	2732	1285
35°	132	124
45°	10	10
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13181.5
2.5°	11951.8
5°	10529.6
7.5°	9654.7
10°	9055.1
12.5°	8603.5
15°	8105.7
17.5°	7243.9
20°	5763.3
22.5°	4157.7
25°	2731.5
27.5°	1611.7
30°	640.0
32.5°	325.5
35°	132.1
37.5°	44.3
40°	27.2
42.5°	17.2
45°	10.1
47.5°	7.1
50°	5.0
52.5°	6.0
55°	7.1
57.5°	7.1
60°	6.0
62.5°	5.0
65°	4.1
67.5°	3.0
70°	3.0
72.5°	3.0
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
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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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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