

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: P1192234

Luminaire Tested: **LDA6A40940D010TE 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: P1192234
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: LDA6A40940D010TE 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

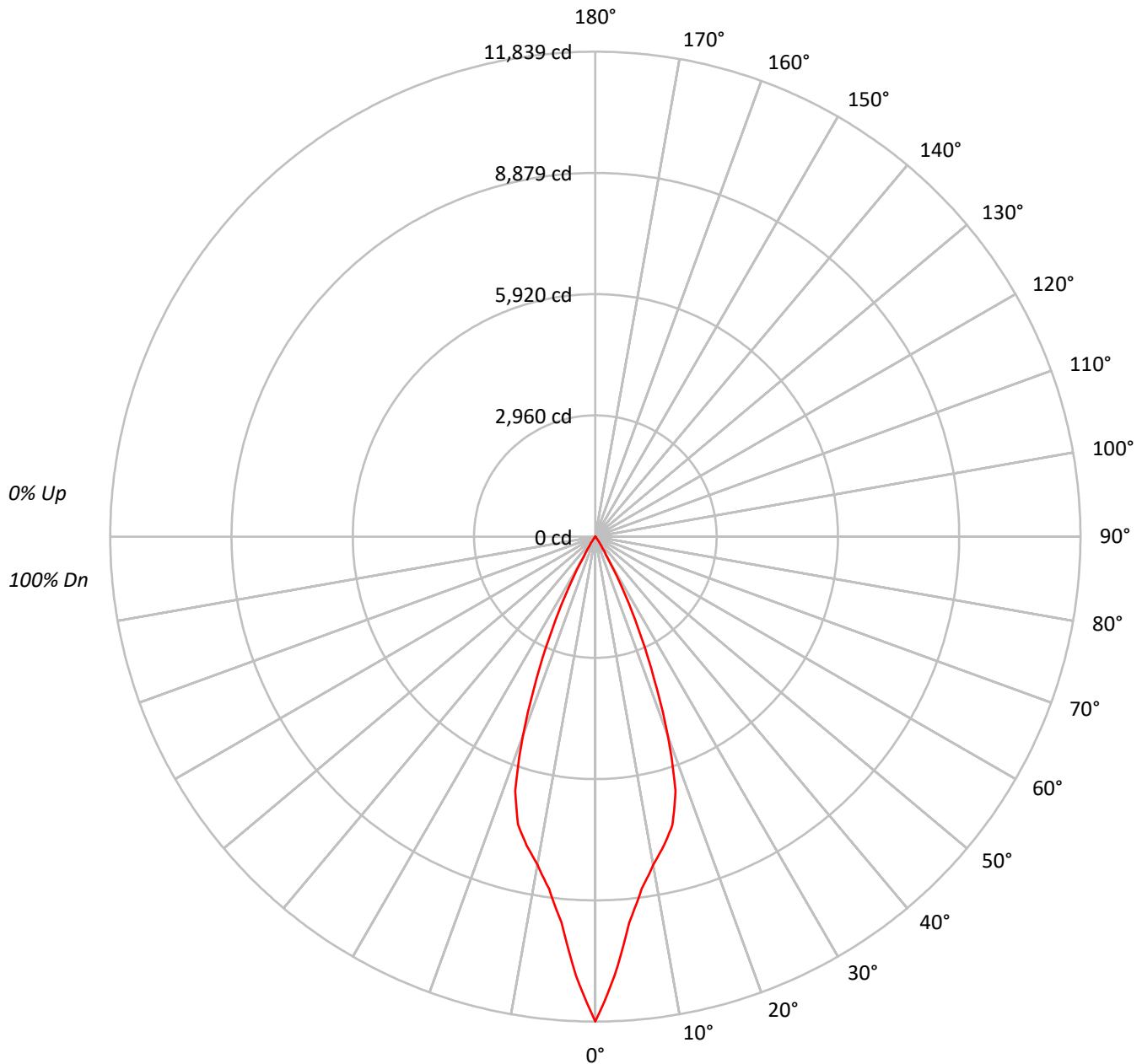
Lumens per Lamp: N/A
Luminaire Lumens: 4111.2 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	79	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°	648994
5°	520409
10°	452703
15°	413164
20°	301965
25°	148388
30°	36385
35°	7937
40°	1753
45°	705
50°	384
55°	612
60°	603
65°	467
70°	433
75°	402
80°	284
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	869.4	21.1
10°-20°	1956.5	47.6
20°-30°	1154.0	28.1
30°-40°	111.3	2.7
40°-50°	8.6	0.2
50°-60°	5.2	0.1
60°-70°	3.7	0.1
70°-80°	2.2	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°	3979.8	96.8
0°-40°	4091.1	99.5
0°-60°	4105.0	99.8
0°-90°	4111.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4111.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11839	
5°	9457	869
15°	7280	1956
25°	2453	1154
35°	119	111
45°	9	9
55°	6	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11838.6
2.5°	10734.2
5°	9456.9
7.5°	8671.1
10°	8132.5
12.5°	7727.0
15°	7279.9
17.5°	6505.9
20°	5176.1
22.5°	3734.1
25°	2453.2
27.5°	1447.5
30°	574.8
32.5°	292.4
35°	118.6
37.5°	39.8
40°	24.5
42.5°	15.4
45°	9.1
47.5°	6.4
50°	4.5
52.5°	5.5
55°	6.4
57.5°	6.4
60°	5.5
62.5°	4.5
65°	3.6
67.5°	2.7
70°	2.7
72.5°	2.7
75°	1.9
77.5°	1.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0

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— 0°-180°

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