

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: P1192243

Luminaire Tested: **LDA6A40950D010TE LARH30NF 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: P1192243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26641)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40950D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

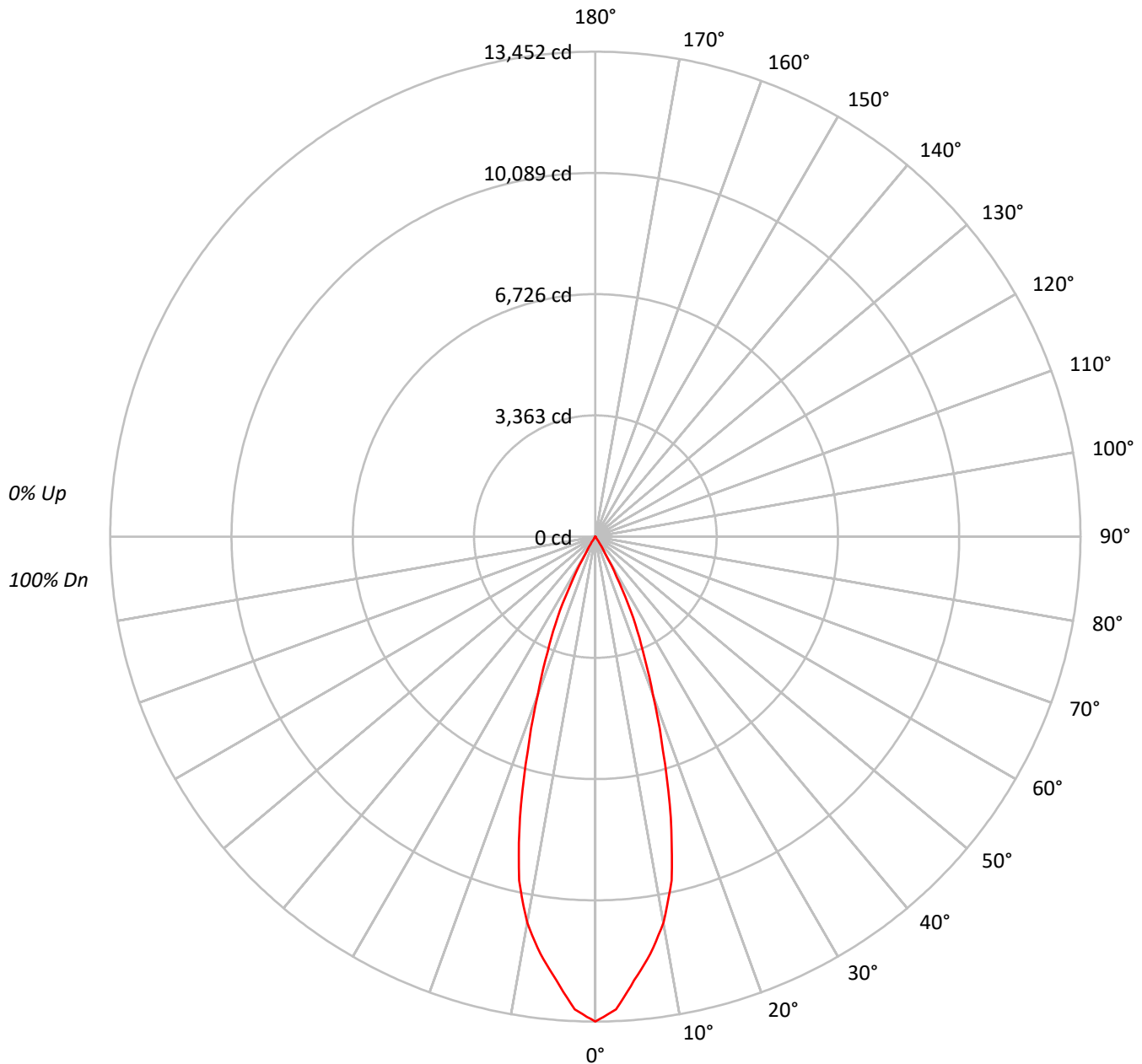
Lumens per Lamp: N/A
Luminaire Lumens: 4491.1 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	111	109	112	110	109	107		107	105	104		103	102	101		99	99	98
2	111	107	104	101	109	105	103	100		102	100	98		99	98	96		97	95	94
3	107	102	98	95	105	101	97	95		98	96	93		96	94	92		94	92	90
4	103	98	94	90	102	97	93	90		95	92	89		93	90	88		91	89	87
5	100	94	90	86	99	93	89	86		91	88	85		90	87	85		88	86	84
6	97	90	86	83	96	90	85	82		88	85	82		87	84	81		86	83	81
7	94	87	82	79	93	86	82	79		85	81	79		84	81	78		83	80	78
8	91	84	79	76	90	83	79	76		82	79	76		81	78	76		81	78	75
9	88	81	77	74	87	81	76	74		80	76	73		79	76	73		78	75	73
10	85	78	74	71	85	78	74	71		77	73	71		77	73	71		76	73	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	737463
5°	679978
10°	605249
15°	458334
20°	272965
25°	150456
30°	35752
35°	2583
40°	744
45°	217
50°	77
55°	86
60°	99
65°	117
70°	144
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1136.7	25.3
10°-20°	2163.5	48.2
20°-30°	1101.2	24.5
30°-40°	84.7	1.9
40°-50°	3.0	0.1
50°-60°	0.8	0.0
60°-70°	0.9	0.0
70°-80°	0.4	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°	4401.3	98.0
0°-40°	4486.0	99.9
0°-60°	4489.8	100.0
0°-90°	4491.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4491.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13452	
5°	12357	###
15°	8076	2163
25°	2487	1101
35°	39	85
45°	3	3
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13452.4
2.5°	13126.8
5°	12356.6
7.5°	11676.0
10°	10872.9
12.5°	9765.7
15°	8075.8
17.5°	6241.9
20°	4679.0
22.5°	3449.6
25°	2487.4
27.5°	1434.8
30°	564.8
32.5°	232.5
35°	38.6
37.5°	19.8
40°	10.4
42.5°	5.7
45°	2.8
47.5°	2.0
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
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

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1121 Highway 74 South

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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)