

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: P1192782

Luminaire Tested: **LDA6A75930D010TE LARH20SP 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: P1192782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26676)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75930D010TE LARH20SP 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

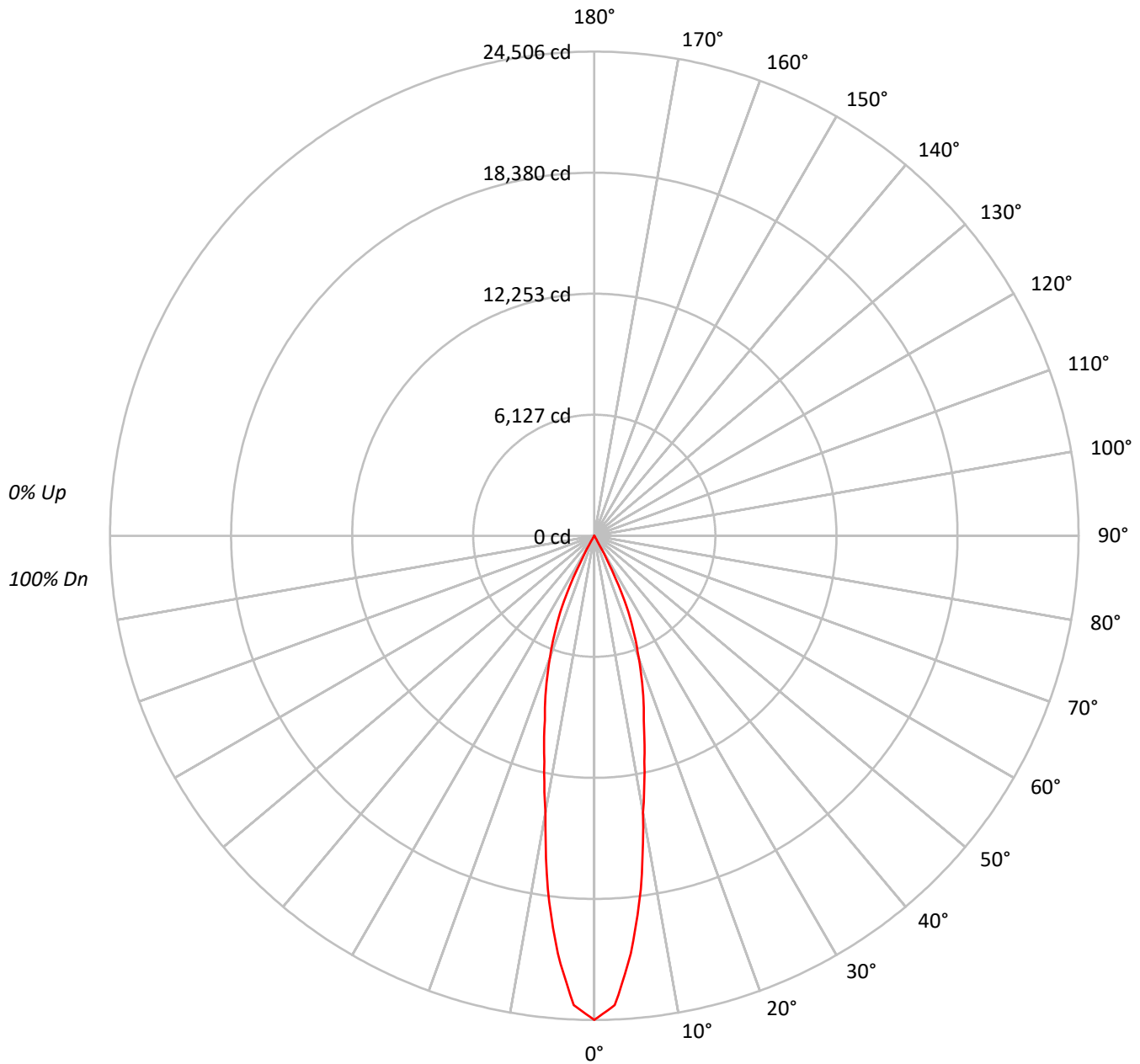
Lumens per Lamp: N/A
Luminaire Lumens: 6070.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.48
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 86.9
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		96
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		93
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		90
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		87
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		84
6	98	91	87	84	96	91	87	84	89	86	83		88	85	83		81
7	95	88	84	81	94	87	83	81	86	83	80		85	82	80		78
8	92	85	81	78	91	85	81	78	84	80	78		83	80	77		76
9	89	82	78	75	88	82	78	75	81	78	75		80	77	75		74
10	87	80	76	73	86	80	76	73	79	75	73		78	75	73		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1343401
5°	1167920
10°	791357
15°	548579
20°	382292
25°	219986
30°	17256
35°	1412
40°	708
45°	481
50°	426
55°	354
60°	406
65°	480
70°	401
75°	254
80°	379
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1806.2	29.8
10°-20°	2720.5	44.8
20°-30°	1498.7	24.7
30°-40°	31.0	0.5
40°-50°	5.0	0.1
50°-60°	3.7	0.1
60°-70°	3.2	0.1
70°-80°	1.4	0.0
80°-90°	0.2	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°	6025.5	99.3
0°-40°	6056.4	99.8
0°-60°	6065.2	99.9
0°-90°	6070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6070.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24506	
5°	21224	###
15°	9666	2721
25°	3637	1499
35°	21	31
45°	6	5
55°	4	4
65°	4	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24505.6
2.5°	23772.6
5°	21223.5
7.5°	18039.8
10°	14216.2
12.5°	11707.1
15°	9665.9
17.5°	8148.7
20°	6553.0
22.5°	5125.5
25°	3636.9
27.5°	1552.0
30°	272.6
32.5°	34.8
35°	21.1
37.5°	13.7
40°	9.9
42.5°	7.5
45°	6.2
47.5°	5.0
50°	5.0
52.5°	5.0
55°	3.7
57.5°	3.7
60°	3.7
62.5°	3.7
65°	3.7
67.5°	2.5
70°	2.5
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)