

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: P1192683

Luminaire Tested: **LDA6A70927D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26681)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A70927D010TE LARH20SP 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

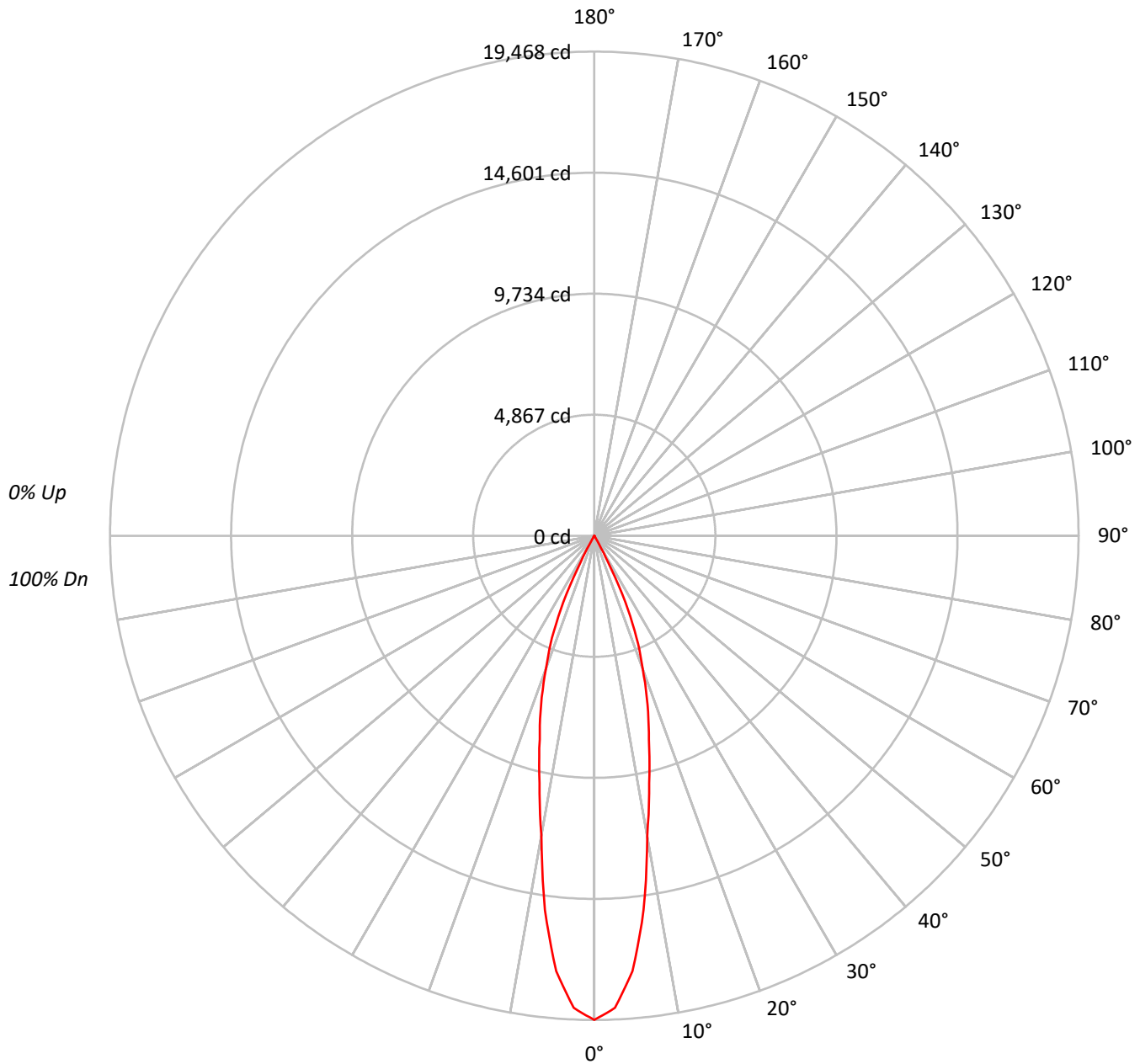
Lumens per Lamp: N/A
Luminaire Lumens: 5189.8 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	115	113	111	109	113	111	109	107		107	105	104			103	102	101			100
2	111	107	104	102	109	106	103	101		103	100	98			100	98	96			97
3	107	103	99	96	106	101	98	95		99	96	94			96	94	92			94
4	104	98	94	91	102	97	94	91		95	92	90			93	91	89			92
5	101	94	90	87	99	94	90	87		92	89	86			91	88	85			89
6	97	91	87	84	96	90	86	83		89	85	83			88	85	82			87
7	94	88	83	80	93	87	83	80		86	82	80			85	82	79			84
8	92	85	81	78	91	84	80	77		83	80	77			83	79	77			82
9	89	82	78	75	88	82	78	75		81	77	75			80	77	74			79
10	87	80	75	73	86	79	75	73		79	75	72			78	75	72			77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1067223
5°	966974
10°	681784
15°	481563
20°	331689
25°	178783
30°	12597
35°	3025
40°	1925
45°	1341
50°	1100
55°	717
60°	581
65°	558
70°	353
75°	212
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1503.5	29.0
10°-20°	2370.6	45.7
20°-30°	1250.5	24.1
30°-40°	38.2	0.7
40°-50°	13.9	0.3
50°-60°	7.3	0.1
60°-70°	4.1	0.1
70°-80°	1.5	0.0
80°-90°	0.1	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°	5124.6	98.7
0°-40°	5162.8	99.5
0°-60°	5184.0	99.9
0°-90°	5189.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5189.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19468	
5°	17572	###
15°	8485	2371
25°	2956	1251
35°	45	38
45°	17	14
55°	8	7
65°	4	4
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19467.7
2.5°	19000.8
5°	17571.9
7.5°	15180.0
10°	12247.8
12.5°	10176.6
15°	8485.1
17.5°	7122.9
20°	5685.6
22.5°	4442.7
25°	2955.7
27.5°	1158.9
30°	199.0
32.5°	61.4
35°	45.2
37.5°	33.4
40°	26.9
42.5°	21.6
45°	17.3
47.5°	13.9
50°	12.9
52.5°	9.6
55°	7.5
57.5°	6.5
60°	5.3
62.5°	5.3
65°	4.3
67.5°	3.2
70°	2.2
72.5°	2.2
75°	1.0
77.5°	1.0
80°	1.0
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

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)