

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: P1192767

Luminaire Tested: **LDA6A75927D010TE LARH20SP 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: P1192767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26678)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75927D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

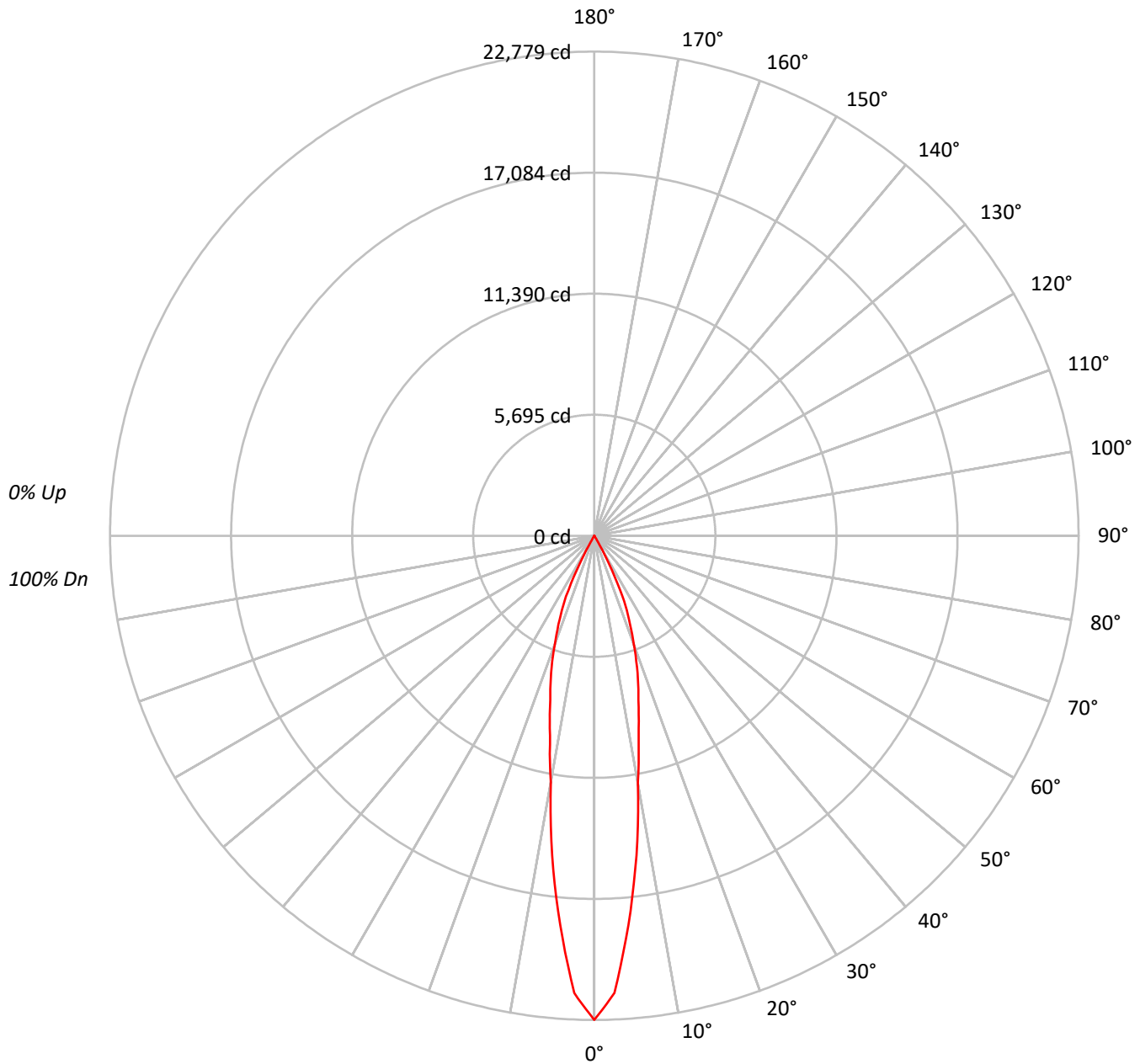
Lumens per Lamp: N/A
Luminaire Lumens: 5162.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.45
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	100		102	100	98			100	98	96			93
3	107	103	99	96		106	101	98	95		99	96	94			96	94	92			90
4	104	98	94	91		102	97	94	91		95	92	90			93	91	89			86
5	101	94	90	87		99	94	90	87		92	89	86			91	88	85			83
6	97	91	87	84		96	90	86	83		89	85	83			88	85	82			81
7	95	88	84	81		93	87	83	80		86	83	80			85	82	80			78
8	92	85	81	78		91	84	80	78		83	80	77			83	79	77			76
9	89	82	78	75		88	82	78	75		81	77	75			80	77	75			73
10	87	80	75	73		86	79	75	73		79	75	72			78	75	72			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1248754
5°	1011449
10°	655922
15°	453987
20°	317145
25°	190614
30°	20098
35°	1947
40°	1166
45°	721
50°	691
55°	994
60°	1140
65°	908
70°	753
75°	720
80°	726
85°	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1553.2	30.1
10°-20°	2250.1	43.6
20°-30°	1291.8	25.0
30°-40°	37.9	0.7
40°-50°	8.1	0.2
50°-60°	8.8	0.2
60°-70°	7.3	0.1
70°-80°	4.0	0.1
80°-90°	0.9	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°	5095.0	98.7
0°-40°	5132.9	99.4
0°-60°	5149.9	99.8
0°-90°	5162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5162.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22779	
5°	18380	###
15°	7999	2250
25°	3151	1292
35°	29	38
45°	9	8
55°	10	9
65°	7	7
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22779.1
2.5°	21534.9
5°	18380.1
7.5°	15176.3
10°	11783.2
12.5°	9616.8
15°	7999.2
17.5°	6765.5
20°	5436.3
22.5°	4261.9
25°	3151.3
27.5°	1491.9
30°	317.5
32.5°	39.5
35°	29.1
37.5°	21.0
40°	16.3
42.5°	12.7
45°	9.3
47.5°	8.1
50°	8.1
52.5°	9.3
55°	10.4
57.5°	10.4
60°	10.4
62.5°	9.3
65°	7.0
67.5°	5.7
70°	4.7
72.5°	4.7
75°	3.4
77.5°	3.4
80°	2.3
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)