

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: P1192411

Luminaire Tested: **LDA6A50950D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26665)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50950D010TE LARH20SP 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

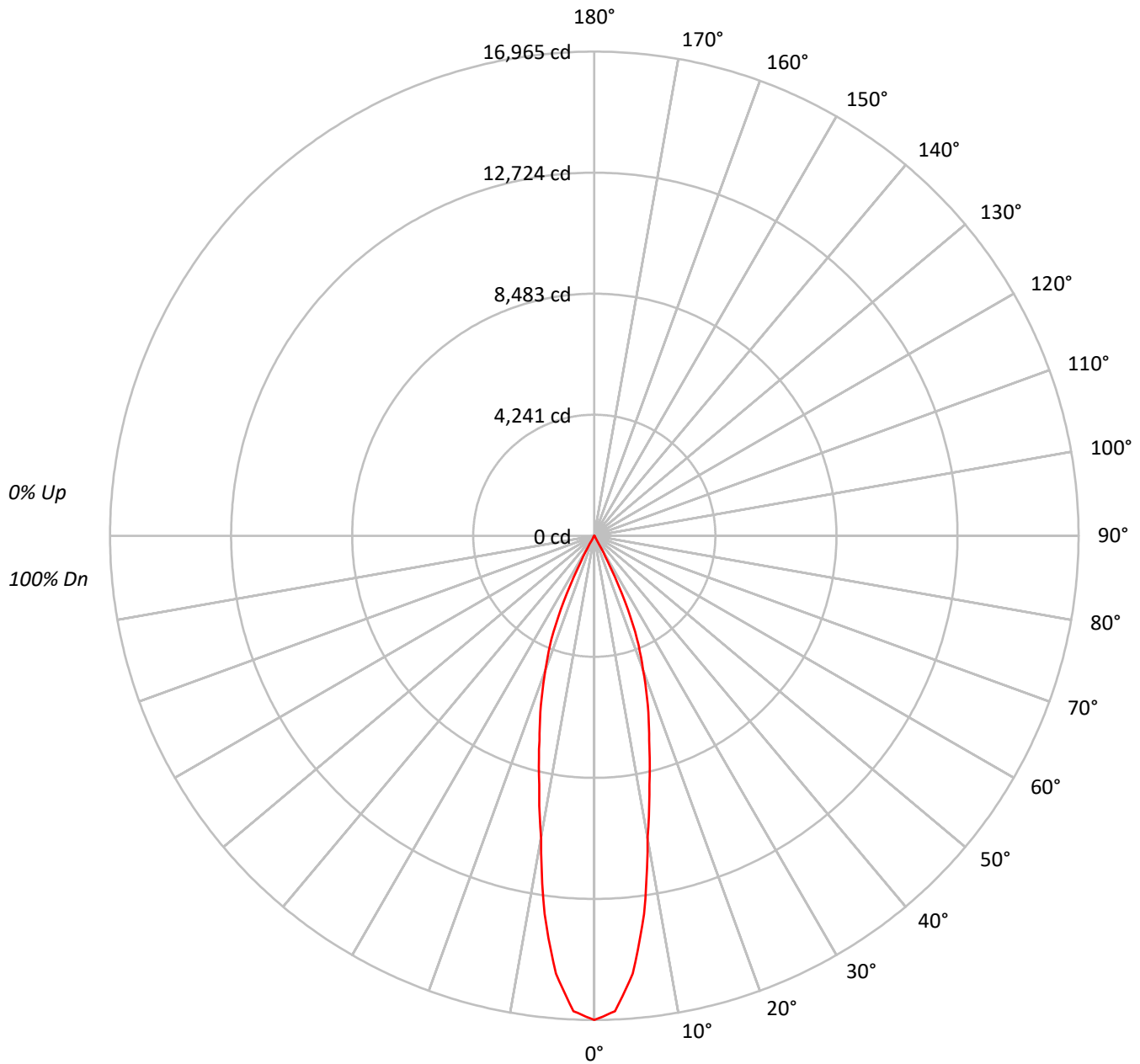
Lumens per Lamp: N/A
Luminaire Lumens: 4548.6 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 57.4
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93	93	93
3	107	103	99	96	106	101	98	95	99	96	94	96	94	92	94	92	91	90	90	90
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	89	88	86	86	86
5	101	94	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	83	83	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	87	84	82	81	81	81
7	94	88	83	80	93	87	83	80	86	83	80	85	82	79	84	81	79	78	78	78
8	92	85	81	78	91	84	80	77	83	80	77	83	79	77	82	79	77	76	76	76
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73	73	73
10	87	80	75	73	86	79	75	73	79	75	72	78	75	72	77	74	72	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	930024
5°	847488
10°	598736
15°	421535
20°	291465
25°	154999
30°	10267
35°	2664
40°	1696
45°	1248
50°	1015
55°	726
60°	592
65°	558
70°	353
75°	233
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1320.5	29.0
10°-20°	2077.1	45.7
20°-30°	1092.6	24.0
30°-40°	32.9	0.7
40°-50°	12.6	0.3
50°-60°	6.9	0.2
60°-70°	3.9	0.1
70°-80°	1.6	0.0
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°	4490.2	98.7
0°-40°	4523.1	99.4
0°-60°	4542.7	99.9
0°-90°	4548.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4548.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16965	
5°	15401	###
15°	7427	2077
25°	2562	1093
35°	40	33
45°	16	13
55°	8	7
65°	4	4
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16965.0
2.5°	16673.8
5°	15400.6
7.5°	13369.9
10°	10755.9
12.5°	8923.0
15°	7427.4
17.5°	6227.3
20°	4996.1
22.5°	3923.7
25°	2562.5
27.5°	990.6
30°	162.2
32.5°	54.8
35°	39.8
37.5°	30.1
40°	23.7
42.5°	19.2
45°	16.1
47.5°	12.9
50°	11.9
52.5°	8.5
55°	7.6
57.5°	6.4
60°	5.4
62.5°	4.3
65°	4.3
67.5°	3.2
70°	2.2
72.5°	2.2
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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(END OF REPORT)