

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: P1192326

Luminaire Tested: **LDA6A45950D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192326
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: LDA6A45950D010TE 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

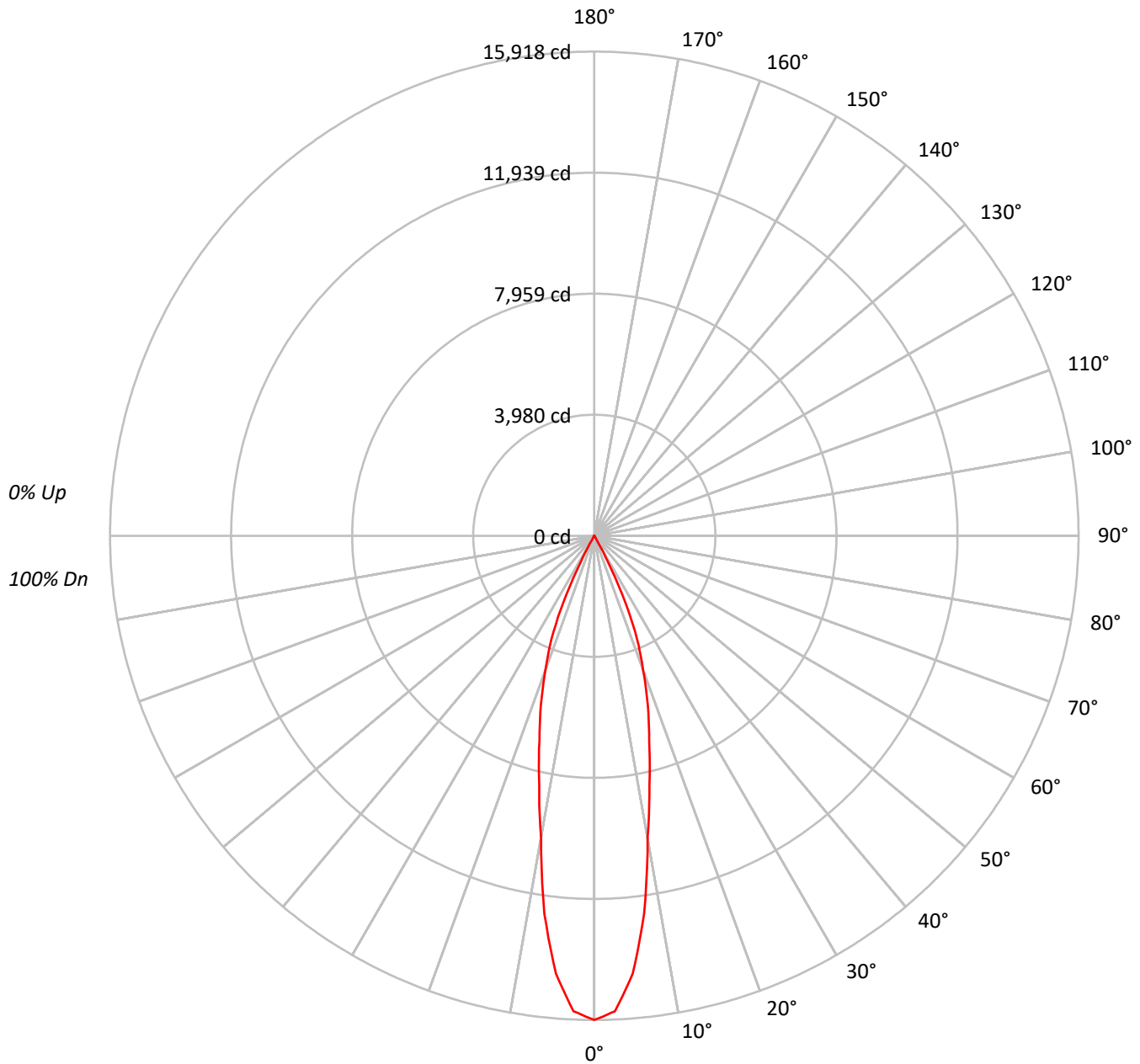
Lumens per Lamp: N/A
Luminaire Lumens: 4268.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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				0			
RW	70	50	30	10	70	50	30	10	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	102	102	102	100						
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96						
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93						
3	107	103	99	96	106	101	98	95	99	96	94	96	94	92	94	92	91	90						
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	89	88	86						
5	101	94	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	83						
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	87	84	82	81						
7	94	88	83	80	93	87	83	80	86	83	80	85	82	79	84	81	79	78						
8	92	85	81	78	91	84	80	77	83	80	77	83	79	77	82	79	77	76						
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73						
10	87	80	75	73	86	79	75	73	79	75	72	78	75	72	77	74	72	71						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	872649
5°	795216
10°	561802
15°	395530
20°	273485
25°	145436
30°	9641
35°	2496
40°	1596
45°	1171
50°	947
55°	679
60°	548
65°	532
70°	337
75°	212
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1239.0	29.0
10°-20°	1949.0	45.7
20°-30°	1025.2	24.0
30°-40°	30.9	0.7
40°-50°	11.9	0.3
50°-60°	6.5	0.2
60°-70°	3.6	0.1
70°-80°	1.5	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°	4213.2	98.7
0°-40°	4244.1	99.4
0°-60°	4262.5	99.9
0°-90°	4268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4268.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15918	
5°	14451	###
15°	6969	1949
25°	2404	1025
35°	37	31
45°	15	12
55°	7	6
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	15918.4
2.5°	15645.2
5°	14450.7
7.5°	12545.2
10°	10092.4
12.5°	8372.5
15°	6969.2
17.5°	5843.2
20°	4687.9
22.5°	3681.7
25°	2404.4
27.5°	929.4
30°	152.3
32.5°	51.4
35°	37.3
37.5°	28.2
40°	22.3
42.5°	18.1
45°	15.1
47.5°	12.2
50°	11.1
52.5°	8.0
55°	7.1
57.5°	6.0
60°	5.0
62.5°	4.1
65°	4.1
67.5°	3.0
70°	2.1
72.5°	2.1
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
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)