

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: P1192241

Luminaire Tested: **LDA6A40950D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192241
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: LDA6A40950D010TE 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

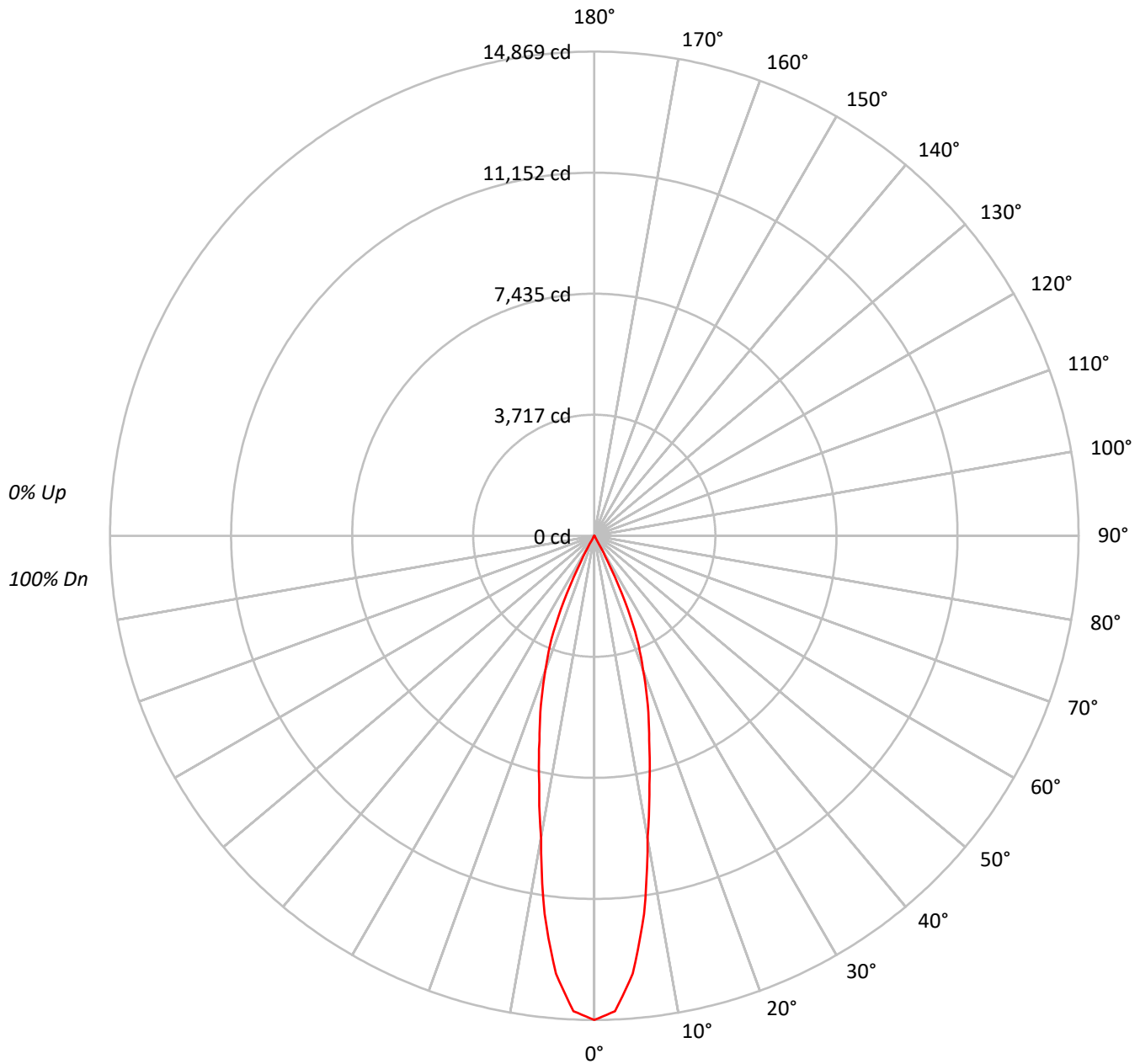
Lumens per Lamp: N/A
Luminaire Lumens: 3986.5 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	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°	815099
5°	742762
10°	524751
15°	369446
20°	255446
25°	135843
30°	9001
35°	2329
40°	1489
45°	1093
50°	887
55°	640
60°	515
65°	480
70°	321
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1157.3	29.0
10°-20°	1820.4	45.7
20°-30°	957.6	24.0
30°-40°	28.8	0.7
40°-50°	11.1	0.3
50°-60°	6.1	0.2
60°-70°	3.3	0.1
70°-80°	1.4	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°	3935.3	98.7
0°-40°	3964.1	99.4
0°-60°	3981.4	99.9
0°-90°	3986.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3986.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14869	
5°	13498	###
15°	6510	1820
25°	2246	958
35°	35	29
45°	14	11
55°	7	6
65°	4	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14868.6
2.5°	14613.4
5°	13497.5
7.5°	11717.8
10°	9426.8
12.5°	7820.3
15°	6509.6
17.5°	5457.8
20°	4378.7
22.5°	3438.9
25°	2245.8
27.5°	868.2
30°	142.2
32.5°	48.0
35°	34.8
37.5°	26.3
40°	20.8
42.5°	17.0
45°	14.1
47.5°	11.3
50°	10.4
52.5°	7.5
55°	6.7
57.5°	5.7
60°	4.7
62.5°	3.7
65°	3.7
67.5°	2.8
70°	2.0
72.5°	2.0
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.9
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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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)