

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: P1192360

Luminaire Tested: **LDA6A50930D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192360
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: LDA6A50930D010TE LARH20SP 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

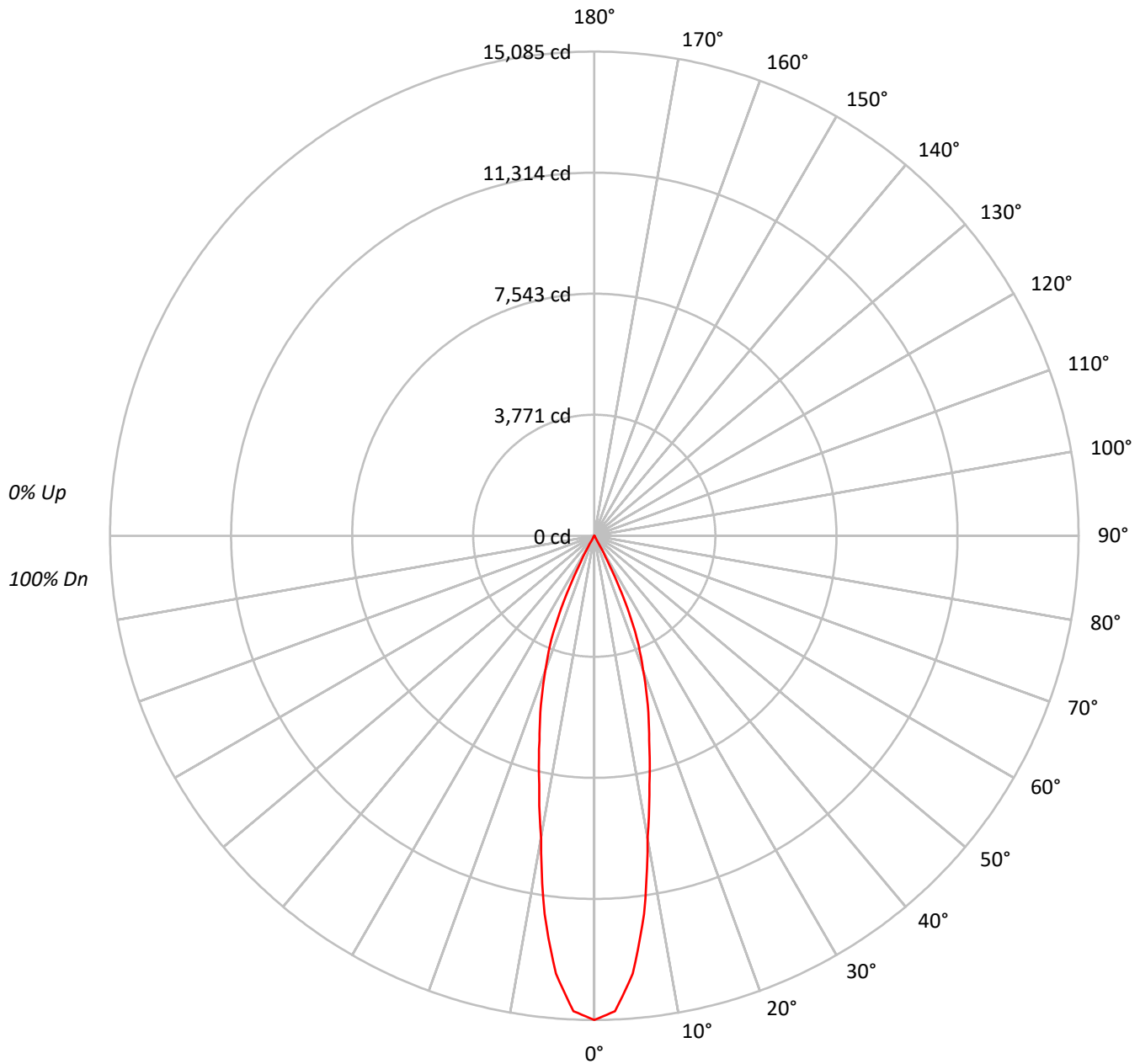
Lumens per Lamp: N/A
Luminaire Lumens: 4044.4 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	826940
5°	753558
10°	532377
15°	374815
20°	259157
25°	137814
30°	9134
35°	2362
40°	1503
45°	1109
50°	904
55°	640
60°	526
65°	506
70°	305
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1174.1	29.0
10°-20°	1846.9	45.7
20°-30°	971.5	24.0
30°-40°	29.3	0.7
40°-50°	11.3	0.3
50°-60°	6.2	0.2
60°-70°	3.4	0.1
70°-80°	1.3	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°	3992.5	98.7
0°-40°	4021.8	99.4
0°-60°	4039.2	99.9
0°-90°	4044.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4044.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15085	
5°	13694	###
15°	6604	1847
25°	2278	971
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°	15084.6
2.5°	14825.7
5°	13693.7
7.5°	11888.1
10°	9563.8
12.5°	7934.0
15°	6604.2
17.5°	5537.0
20°	4442.3
22.5°	3488.9
25°	2278.4
27.5°	880.8
30°	144.3
32.5°	48.7
35°	35.3
37.5°	26.8
40°	21.0
42.5°	17.3
45°	14.3
47.5°	11.5
50°	10.6
52.5°	7.6
55°	6.7
57.5°	5.8
60°	4.8
62.5°	3.9
65°	3.9
67.5°	2.8
70°	1.9
72.5°	1.9
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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— 0°-180°

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(END OF REPORT)