

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: P179737

Luminaire Tested: **LDA6A55930D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179737
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: LDA6A55930D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, 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: 3555.2 lumens
Efficiency: N/A
Efficacy: 58.3 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

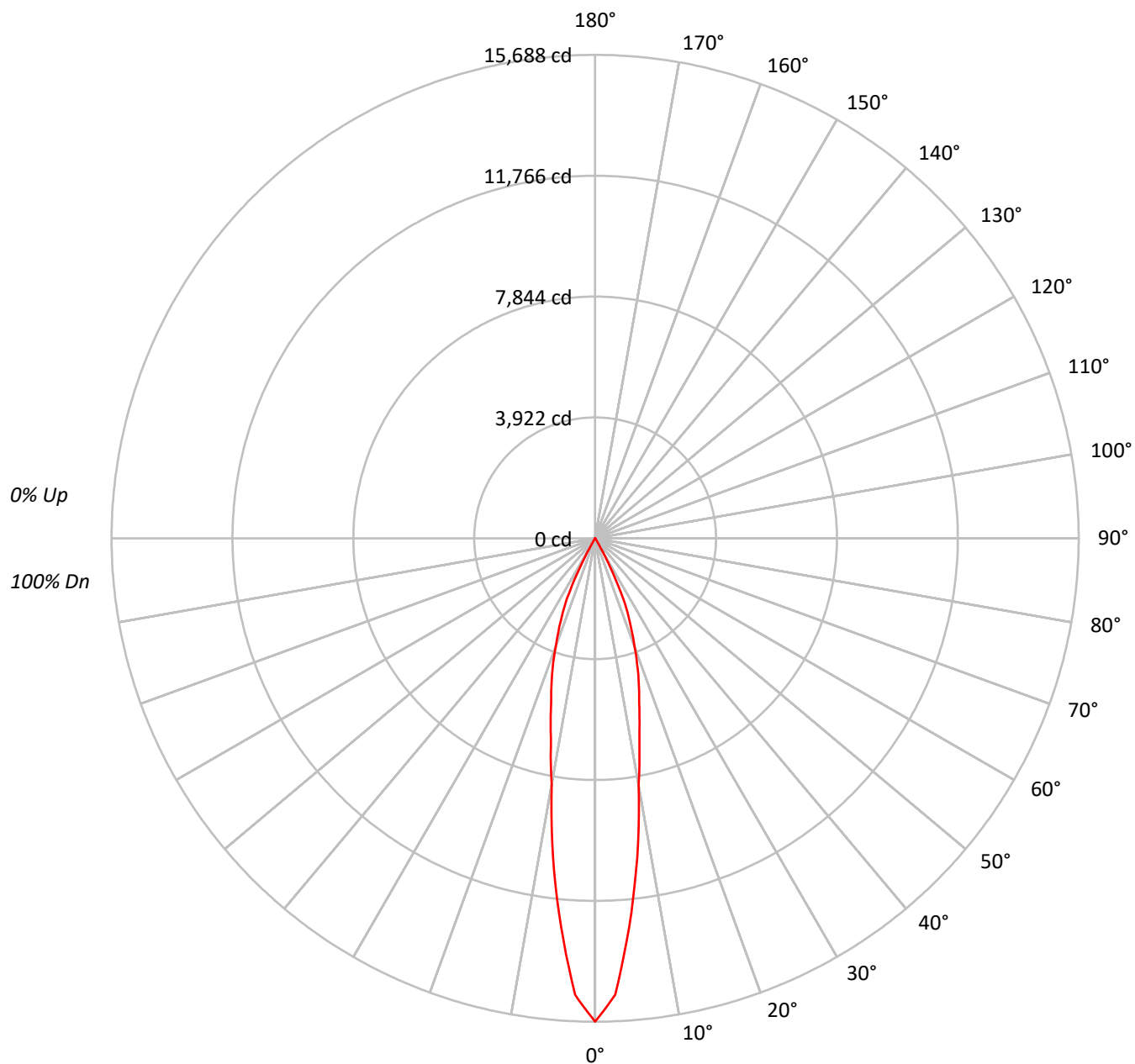
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	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	80	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°	860024
5°	696592
10°	451740
15°	312664
20°	218419
25°	131276
30°	13838
35°	1338
40°	802
45°	496
50°	478
55°	688
60°	789
65°	623
70°	513
75°	508
80°	505
85°	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1069.7	30.1
10°-20°	1549.6	43.6
20°-30°	889.7	25.0
30°-40°	26.1	0.7
40°-50°	5.6	0.2
50°-60°	6.1	0.2
60°-70°	5.0	0.1
70°-80°	2.7	0.1
80°-90°	0.7	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°	3509.0	98.7
0°-40°	3535.0	99.4
0°-60°	3546.7	99.8
0°-90°	3555.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3555.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15688	
5°	12658	###
15°	5509	1550
25°	2170	890
35°	20	26
45°	6	6
55°	7	6
65°	5	5
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	15688.1
2.5°	14831.2
5°	12658.5
7.5°	10452.1
10°	8115.2
12.5°	6623.1
15°	5509.1
17.5°	4659.4
20°	3744.0
22.5°	2935.2
25°	2170.3
27.5°	1027.5
30°	218.6
32.5°	27.2
35°	20.0
37.5°	14.4
40°	11.2
42.5°	8.8
45°	6.4
47.5°	5.6
50°	5.6
52.5°	6.4
55°	7.2
57.5°	7.2
60°	7.2
62.5°	6.4
65°	4.8
67.5°	4.0
70°	3.2
72.5°	3.2
75°	2.4
77.5°	2.4
80°	1.6
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)