

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: P179733

Luminaire Tested: **LDA6A55830D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179733
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: LDA6A55830D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4278.1 lumens
Efficiency: N/A
Efficacy: 70.1 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

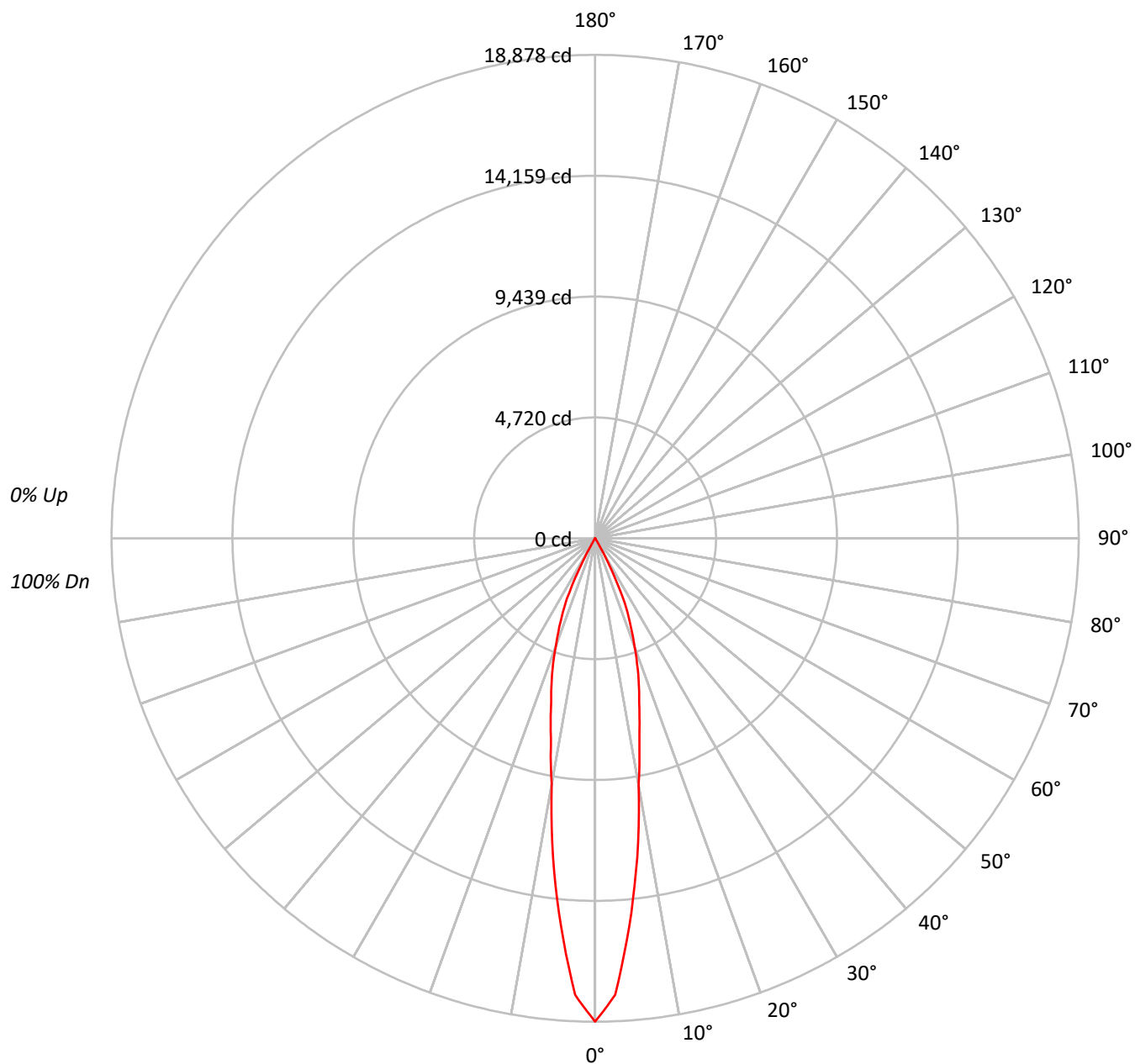
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	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°	1034873
5°	838210
10°	543577
15°	376234
20°	262826
25°	157969
30°	16654
35°	1613
40°	966
45°	597
50°	571
55°	832
60°	954
65°	752
70°	625
75°	614
80°	600
85°	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1287.2	30.1
10°-20°	1864.7	43.6
20°-30°	1070.5	25.0
30°-40°	31.4	0.7
40°-50°	6.7	0.2
50°-60°	7.4	0.2
60°-70°	6.1	0.1
70°-80°	3.3	0.1
80°-90°	0.8	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°	4222.4	98.7
0°-40°	4253.8	99.4
0°-60°	4267.9	99.8
0°-90°	4278.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4278.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18878	
5°	15232	###
15°	6629	1865
25°	2612	1071
35°	24	31
45°	8	7
55°	9	7
65°	6	6
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18877.6
2.5°	17846.5
5°	15232.0
7.5°	12577.0
10°	9765.0
12.5°	7969.7
15°	6629.2
17.5°	5606.7
20°	4505.2
22.5°	3531.9
25°	2611.6
27.5°	1236.4
30°	263.1
32.5°	32.8
35°	24.1
37.5°	17.3
40°	13.5
42.5°	10.6
45°	7.7
47.5°	6.7
50°	6.7
52.5°	7.7
55°	8.7
57.5°	8.7
60°	8.7
62.5°	7.7
65°	5.8
67.5°	4.8
70°	3.9
72.5°	3.9
75°	2.9
77.5°	2.9
80°	1.9
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)