

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: P179736

Luminaire Tested: **LDA6A55927D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179736
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: LDA6A55927D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3321.7 lumens
Efficiency: N/A
Efficacy: 54.5 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

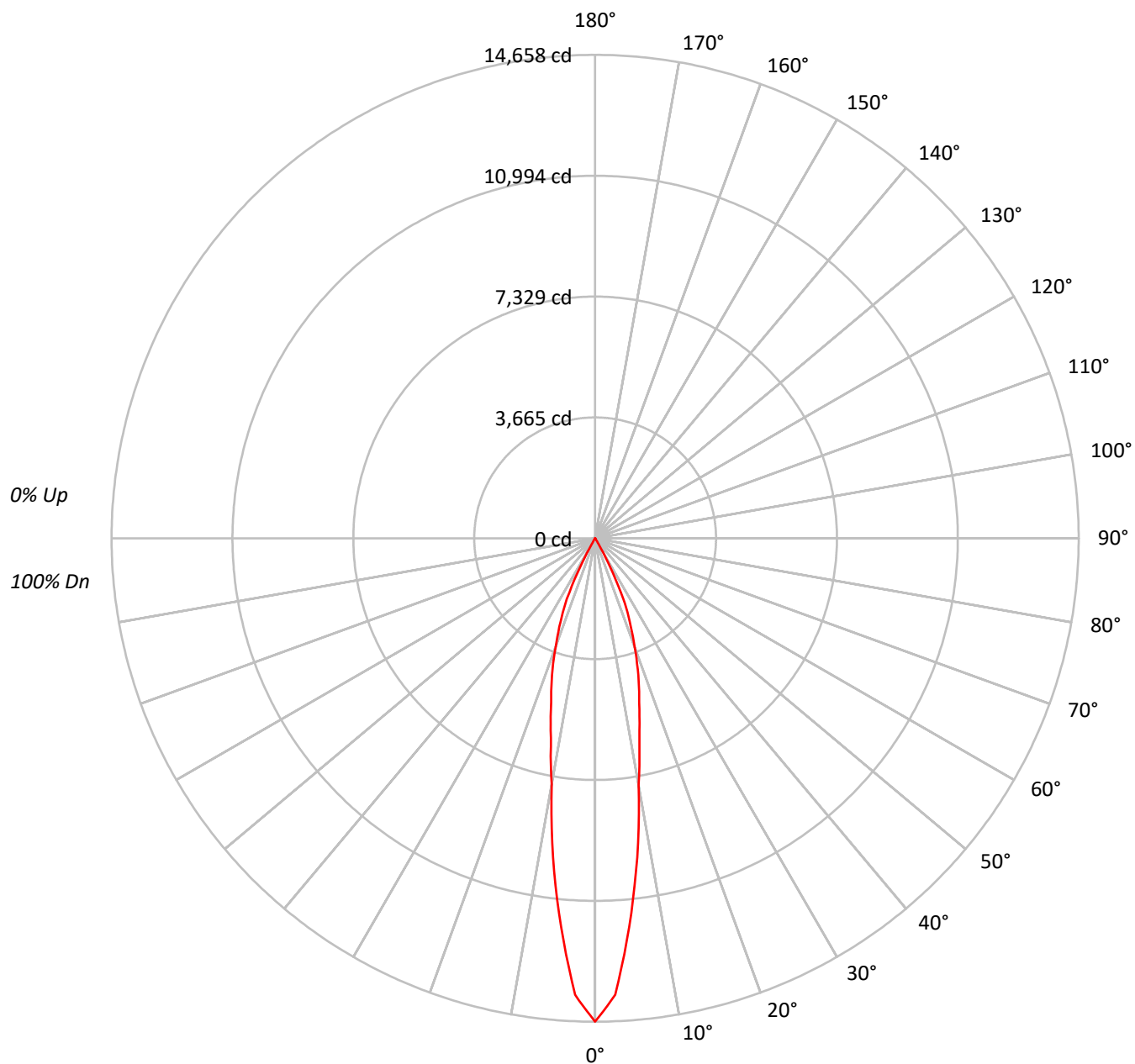
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	115	113	111	109	113	111	109	107		107	105	104			103	102	101			100
2	111	107	104	102	109	106	103	100		102	100	98			100	98	96			97
3	107	103	99	96	106	101	98	95		99	96	94			96	94	92			94
4	104	98	94	91	102	97	94	91		95	92	90			93	91	89			92
5	101	94	90	87	99	94	90	87		92	89	86			91	88	85			89
6	97	91	87	84	96	90	86	83		89	85	83			88	85	82			87
7	95	88	84	81	93	87	83	80		86	83	80			85	82	80			84
8	92	85	81	78	91	84	80	78		83	80	77			83	79	77			82
9	89	82	78	75	88	82	78	75		81	77	75			80	77	75			80
10	87	80	75	73	86	79	75	73		79	75	72			78	75	72			77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	803560
5°	650857
10°	422081
15°	292136
20°	204079
25°	122656
30°	12932
35°	1251
40°	751
45°	465
50°	443
55°	640
60°	735
65°	584
70°	481
75°	466
80°	474
85°	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	999.5	30.1
10°-20°	1447.9	43.6
20°-30°	831.3	25.0
30°-40°	24.4	0.7
40°-50°	5.2	0.2
50°-60°	5.7	0.2
60°-70°	4.7	0.1
70°-80°	2.5	0.1
80°-90°	0.6	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°	3278.6	98.7
0°-40°	3303.0	99.4
0°-60°	3313.9	99.8
0°-90°	3321.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3321.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14658	
5°	11827	999
15°	5147	1448
25°	2028	831
35°	19	24
45°	6	5
55°	7	6
65°	4	5
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14658.1
2.5°	13857.5
5°	11827.4
7.5°	9765.8
10°	7582.4
12.5°	6188.3
15°	5147.4
17.5°	4353.5
20°	3498.2
22.5°	2742.5
25°	2027.8
27.5°	960.0
30°	204.3
32.5°	25.4
35°	18.7
37.5°	13.5
40°	10.5
42.5°	8.2
45°	6.0
47.5°	5.2
50°	5.2
52.5°	6.0
55°	6.7
57.5°	6.7
60°	6.7
62.5°	6.0
65°	4.5
67.5°	3.7
70°	3.0
72.5°	3.0
75°	2.2
77.5°	2.2
80°	1.5
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)