

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: P179764

Luminaire Tested: **LDA6A55827D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26680)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55827D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4846.5 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

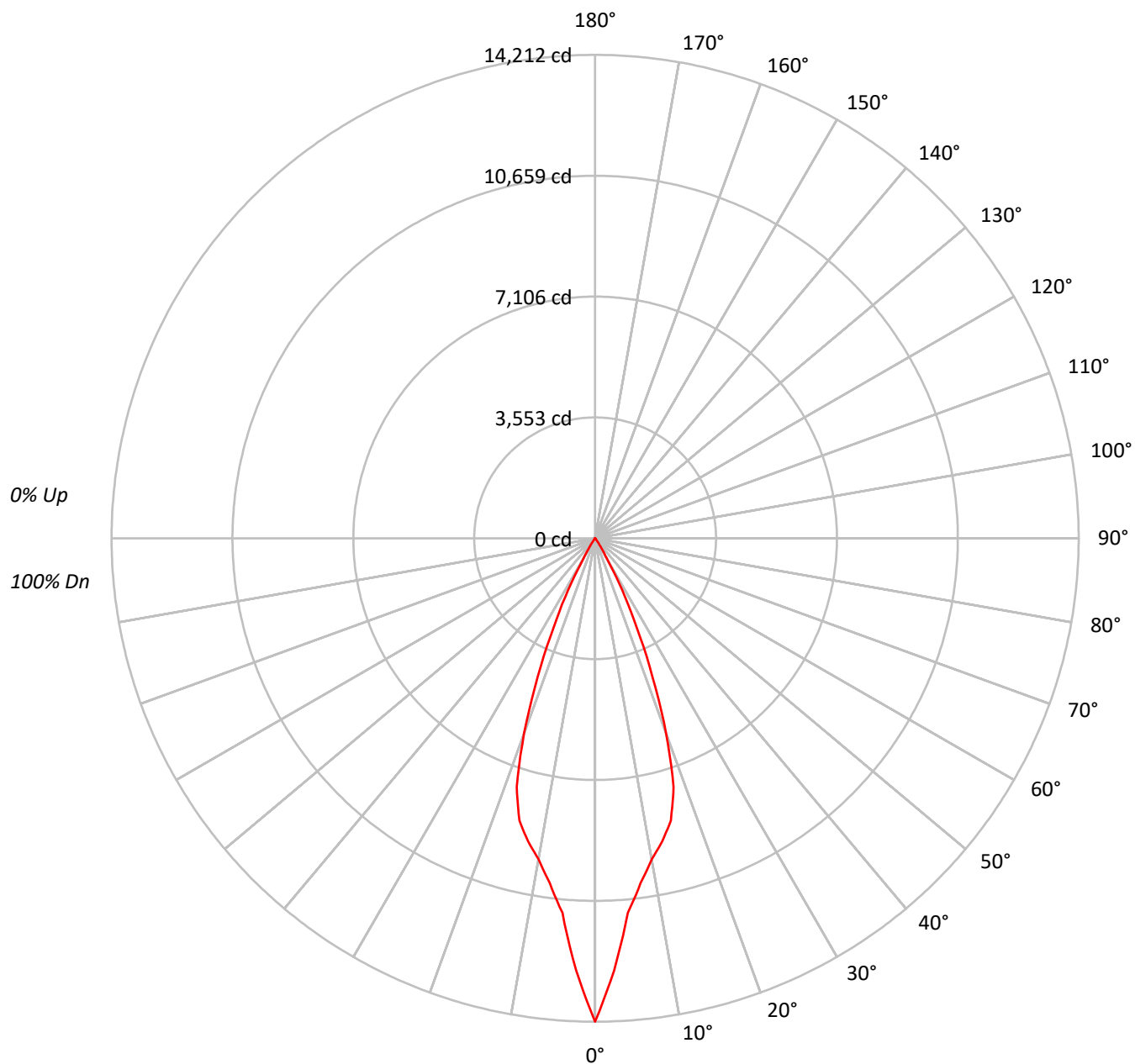
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	108		112	110	108	107		106	105	103			103	101	100			99
2	110	107	103	101		108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94		105	100	96	94		98	95	92			95	93	91			93
4	103	97	92	89		101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85		98	92	87	84		90	86	84			88	85	83			87
6	96	89	84	81		94	88	84	80		87	83	80			85	82	79			84
7	92	85	80	77		91	85	80	77		83	79	77			82	79	76			81
8	89	82	77	74		88	81	77	74		80	76	74			79	76	73			79
9	86	79	74	71		85	78	74	71		78	74	71			77	73	71			76
10	83	76	71	68		83	76	71	68		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	779115
5°	608308
10°	533468
15°	487551
20°	356121
25°	173774
30°	42412
35°	9697
40°	2090
45°	946
50°	478
55°	717
60°	724
65°	610
70°	449
75°	402
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1024.1	21.1
10°-20°	2306.9	47.6
20°-30°	1359.0	28.0
30°-40°	132.6	2.7
40°-50°	10.6	0.2
50°-60°	6.0	0.1
60°-70°	4.6	0.1
70°-80°	2.2	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°	4690.0	96.8
0°-40°	4822.6	99.5
0°-60°	4839.2	99.9
0°-90°	4846.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4846.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14212	
5°	11054	###
15°	8591	2307
25°	2873	1359
35°	145	133
45°	12	11
55°	8	6
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14212.2
2.5°	12720.7
5°	11054.2
7.5°	10222.3
10°	9583.4
12.5°	9118.5
15°	8590.6
17.5°	7661.8
20°	6104.4
22.5°	4403.0
25°	2872.9
27.5°	1714.5
30°	670.0
32.5°	351.0
35°	144.9
37.5°	48.0
40°	29.2
42.5°	18.8
45°	12.2
47.5°	7.5
50°	5.6
52.5°	6.6
55°	7.5
57.5°	6.6
60°	6.6
62.5°	5.6
65°	4.7
67.5°	3.8
70°	2.8
72.5°	2.8
75°	1.9
77.5°	1.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)