

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: P179812

Luminaire Tested: **LDA6A55827D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26683)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55827D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, 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: 5313.2 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

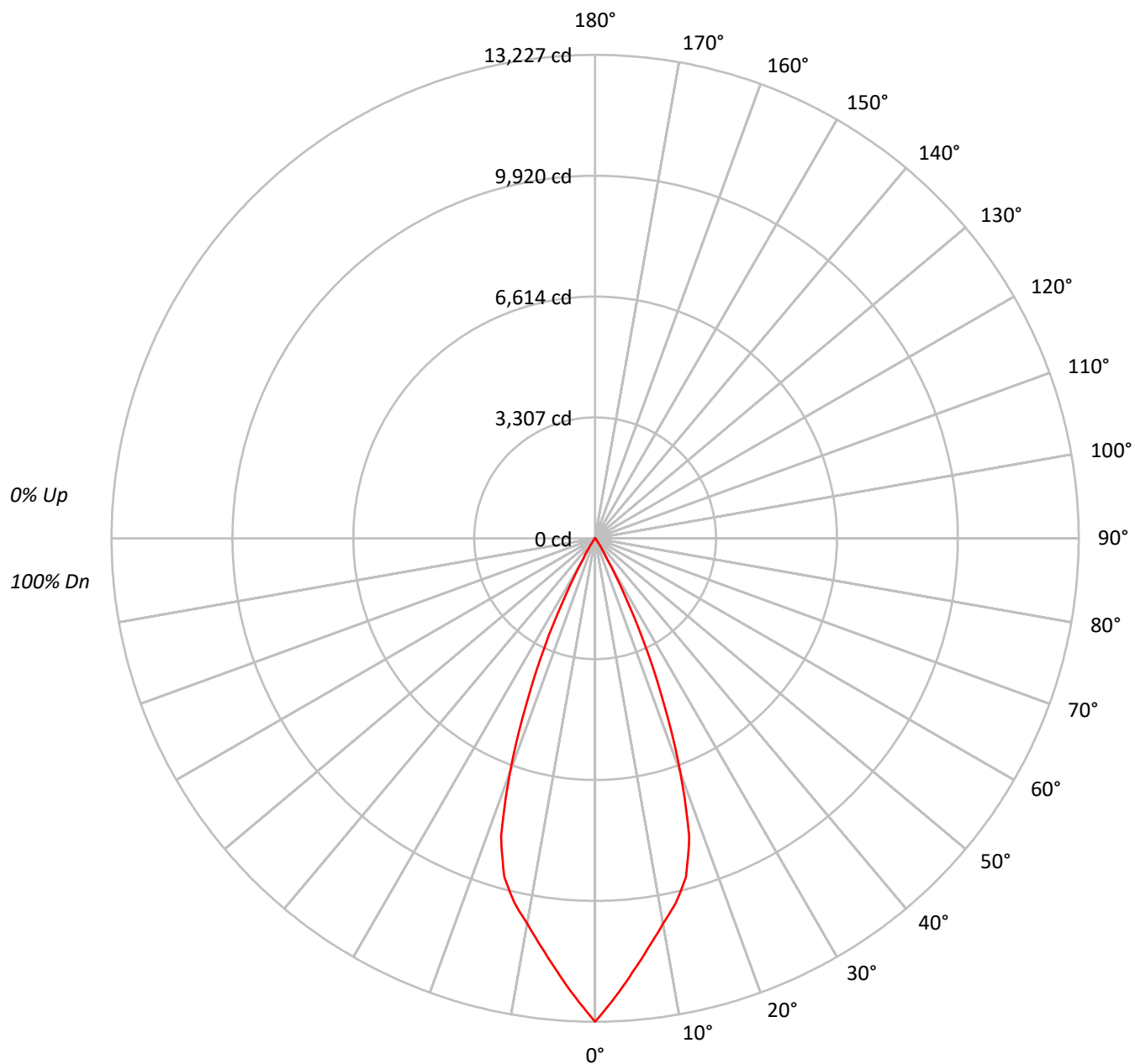
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104			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	97	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	88	84		90	86	84			89	85	83			87
6	96	89	84	81		94	88	84	81		87	83	80			85	82	80			84
7	92	85	81	77		91	85	80	77		83	80	77			82	79	76			81
8	89	82	77	74		88	81	77	74		80	77	74			80	76	73			79
9	86	79	74	71		85	78	74	71		78	74	71			77	73	71			76
10	84	76	72	69		83	76	71	68		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	725117
5°	654709
10°	595797
15°	544634
20°	397495
25°	195761
30°	42418
35°	8064
40°	2154
45°	946
50°	563
55°	449
60°	417
65°	363
70°	305
75°	191
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1100.4	20.7
10°-20°	2577.8	48.5
20°-30°	1487.1	28.0
30°-40°	129.3	2.4
40°-50°	10.8	0.2
50°-60°	4.3	0.1
60°-70°	2.6	0.0
70°-80°	1.0	0.0
80°-90°	0.0	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°	5165.3	97.2
0°-40°	5294.7	99.7
0°-60°	5309.7	99.9
0°-90°	5313.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5313.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13227	
5°	11897	###
15°	9596	2578
25°	3236	1487
35°	120	129
45°	12	11
55°	5	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13227.2
2.5°	12563.7
5°	11897.4
7.5°	11274.4
10°	10703.1
12.5°	10210.9
15°	9596.4
17.5°	8554.6
20°	6813.6
22.5°	4932.3
25°	3236.4
27.5°	1677.0
30°	670.1
32.5°	352.0
35°	120.5
37.5°	49.9
40°	30.1
42.5°	18.8
45°	12.2
47.5°	7.5
50°	6.6
52.5°	5.6
55°	4.7
57.5°	3.8
60°	3.8
62.5°	2.8
65°	2.8
67.5°	1.9
70°	1.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)