

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: P179820

Luminaire Tested: **LDA6A65827D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179820
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: LDA6A65827D010TE 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: 6339.3 lumens
Efficiency: N/A
Efficacy: 81.3 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

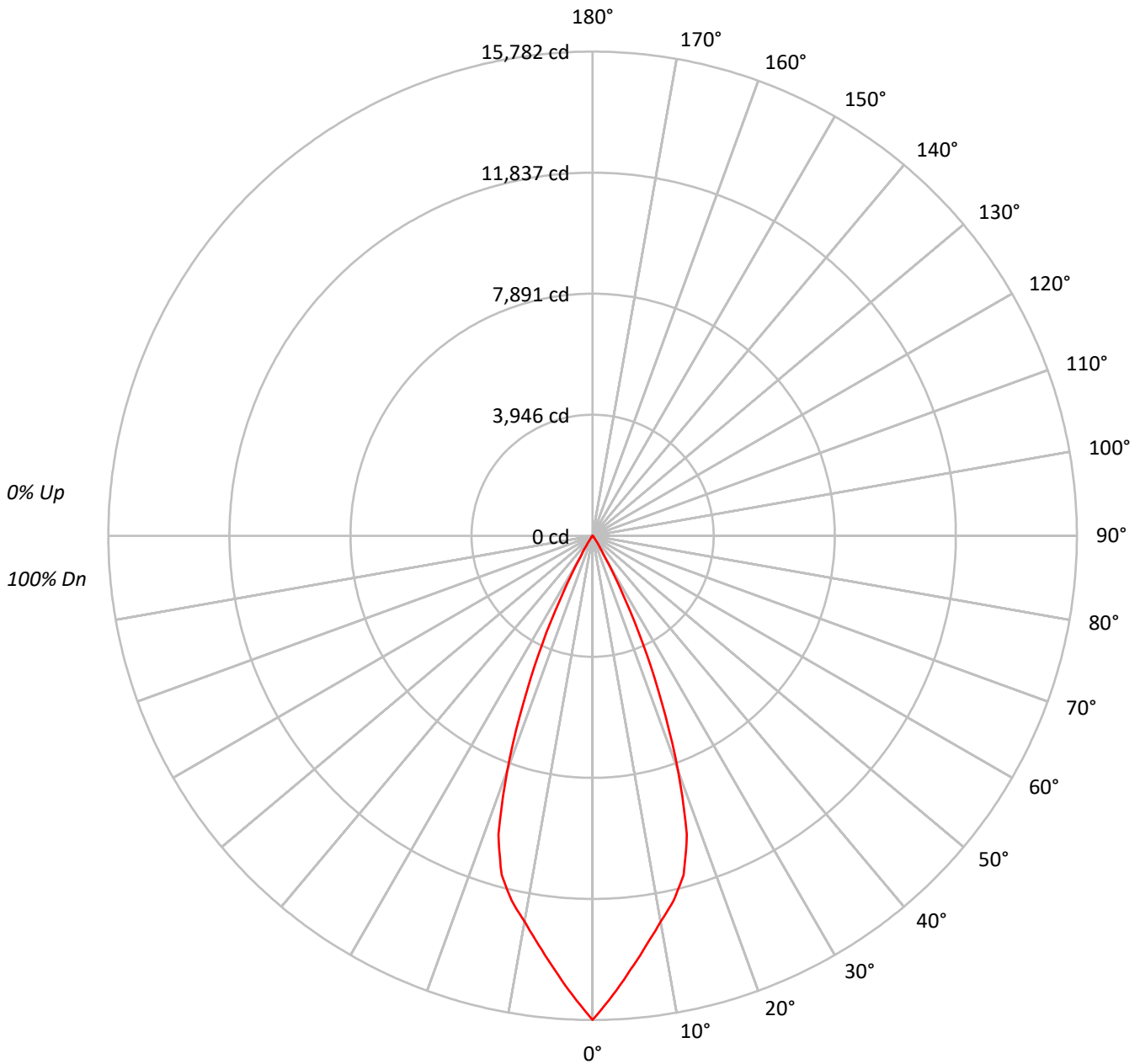
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100			
1	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96			
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			
3	106	101	97	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88			
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81			
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75			
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72			
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69			
10	84	76	72	69	83	76	71	68	75	71	68	74	71	68	74	70	68	67			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	865145
5°	781139
10°	710853
15°	649811
20°	474250
25°	233566
30°	50609
35°	9617
40°	2569
45°	1132
50°	674
55°	535
60°	493
65°	441
70°	353
75°	233
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1312.9	20.7
10°-20°	3075.7	48.5
20°-30°	1774.2	28.0
30°-40°	154.3	2.4
40°-50°	12.9	0.2
50°-60°	5.1	0.1
60°-70°	3.0	0.0
70°-80°	1.2	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°	6162.8	97.2
0°-40°	6317.1	99.6
0°-60°	6335.1	99.9
0°-90°	6339.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6339.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15782	
5°	14195	###
15°	11450	3076
25°	3861	1774
35°	144	154
45°	15	13
55°	6	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15781.5
2.5°	14989.9
5°	14194.9
7.5°	13451.6
10°	12770.0
12.5°	12182.8
15°	11449.6
17.5°	10206.6
20°	8129.3
22.5°	5884.8
25°	3861.4
27.5°	2000.9
30°	799.5
32.5°	419.9
35°	143.7
37.5°	59.5
40°	35.9
42.5°	22.5
45°	14.6
47.5°	9.0
50°	7.9
52.5°	6.7
55°	5.6
57.5°	4.5
60°	4.5
62.5°	3.4
65°	3.4
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
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)