

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: P179711

Luminaire Tested: **LDA6A65840D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A65840D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6752.9 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

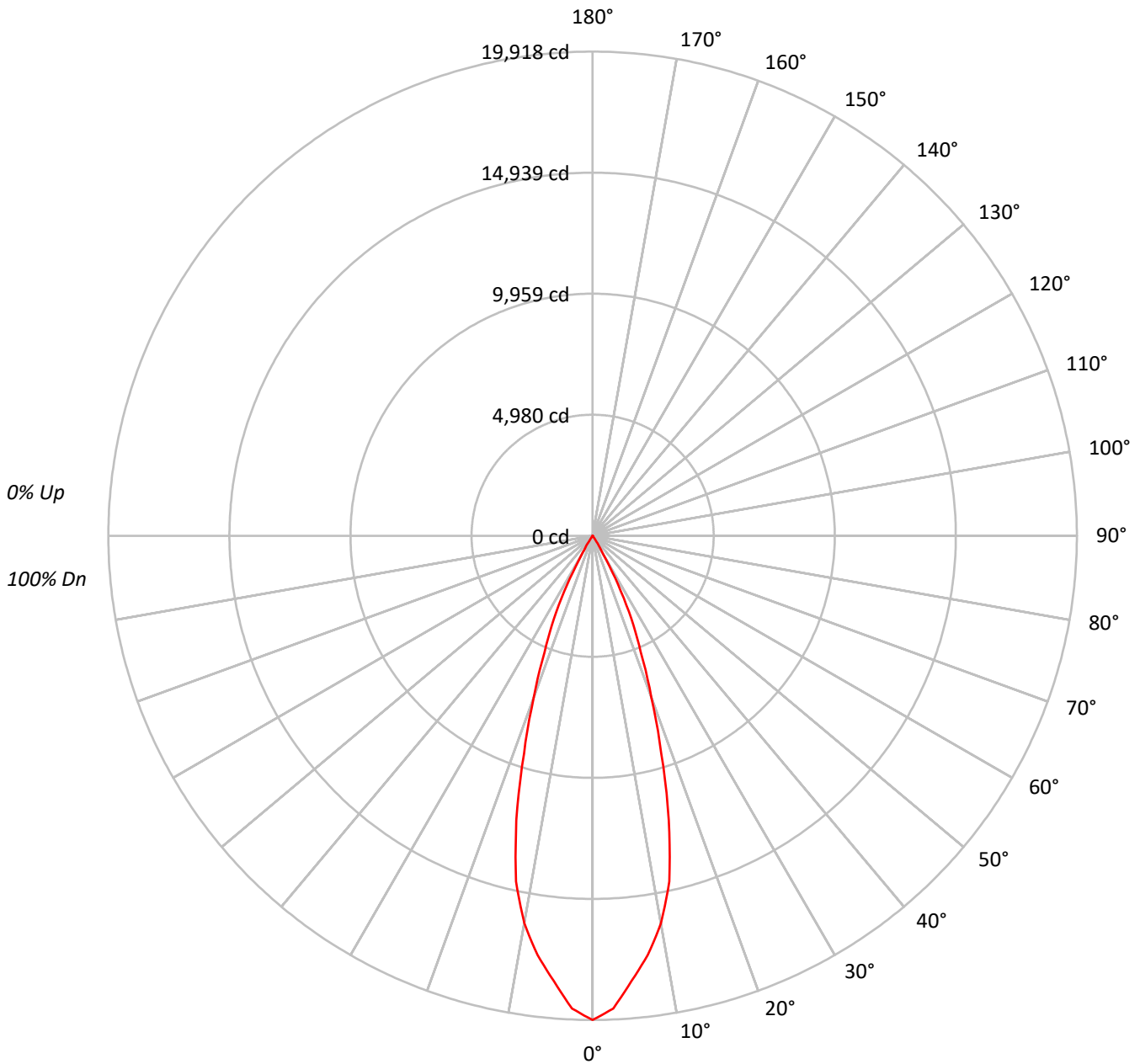
Input Watts (W): 78
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92			
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89			
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86			
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83			
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80			
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1091936
5°	1011400
10°	901013
15°	687541
20°	412196
25°	227172
30°	56199
35°	4343
40°	1224
45°	473
50°	205
55°	229
60°	263
65°	156
70°	192
75°	254
80°	379
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1690.9	25.0
10°-20°	3241.6	48.0
20°-30°	1674.0	24.8
30°-40°	135.6	2.0
40°-50°	5.5	0.1
50°-60°	2.2	0.0
60°-70°	1.6	0.0
70°-80°	1.3	0.0
80°-90°	0.2	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°	6606.5	97.8
0°-40°	6742.1	99.8
0°-60°	6749.8	100.0
0°-90°	6752.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6752.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19918	
5°	18379	###
15°	12114	3242
25°	3756	1674
35°	65	136
45°	6	6
55°	2	2
65°	1	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19918.5
2.5°	19464.2
5°	18379.2
7.5°	17391.0
10°	16186.1
12.5°	14566.0
15°	12114.4
17.5°	9392.3
20°	7065.6
22.5°	5179.8
25°	3755.7
27.5°	2261.7
30°	887.8
32.5°	377.2
35°	64.9
37.5°	31.8
40°	17.1
42.5°	9.8
45°	6.1
47.5°	3.7
50°	2.4
52.5°	2.4
55°	2.4
57.5°	2.4
60°	2.4
62.5°	2.4
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)