

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: P179775

Luminaire Tested: **LDA6A65840D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179775
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: LDA6A65840D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6306.0 lumens
Efficiency: N/A
Efficacy: 80.8 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

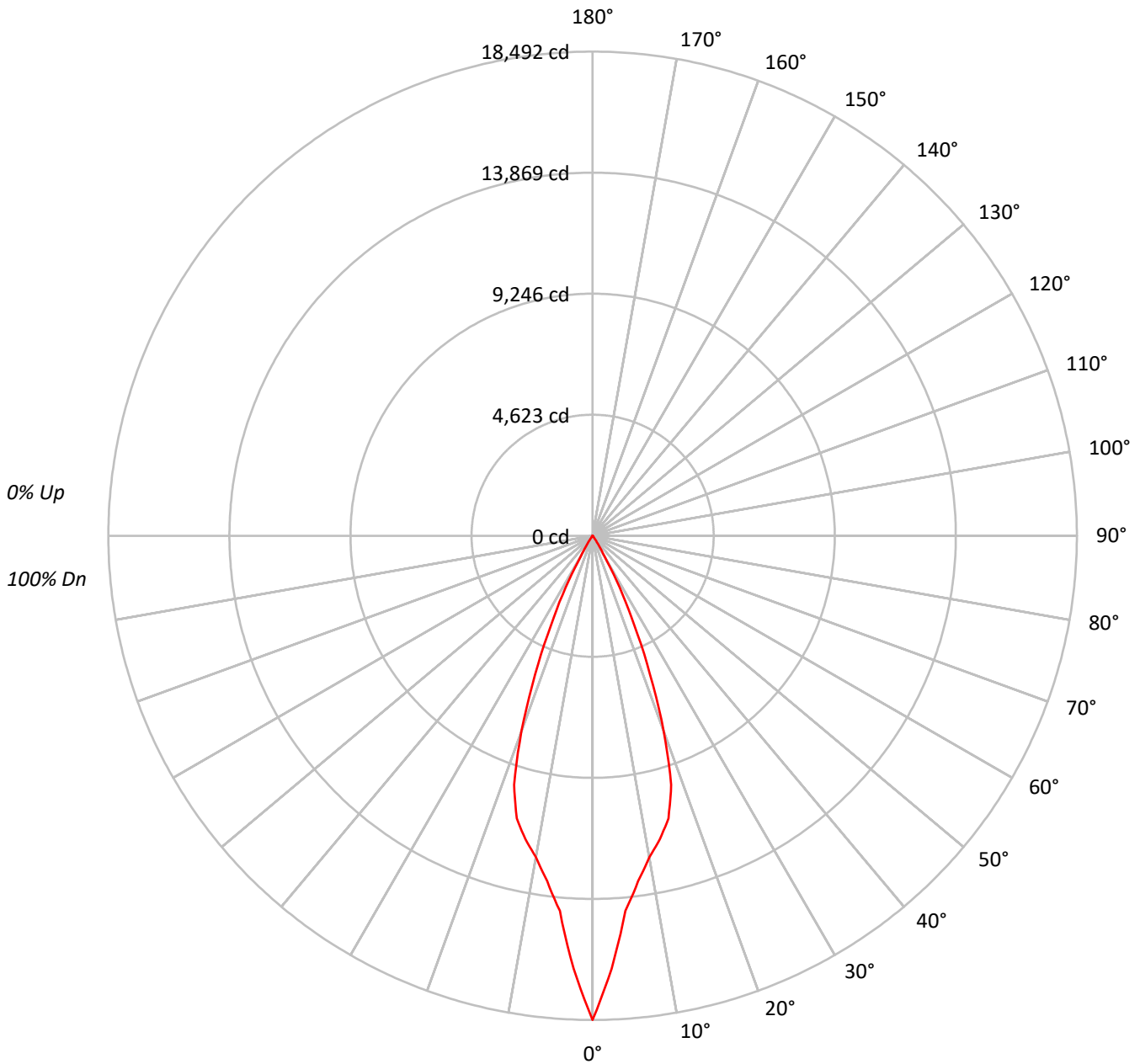
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	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	96	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	87	84	90	86	84	88	85	83	87	84	82	81			
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78			
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75			
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72			
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69			
10	83	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1013751
5°	791501
10°	694120
15°	634379
20°	463370
25°	226108
30°	55186
35°	12622
40°	2719
45°	1233
50°	623
55°	937
60°	943
65°	791
70°	593
75°	508
80°	379
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1332.5	21.1
10°-20°	3001.7	47.6
20°-30°	1768.2	28.0
30°-40°	172.6	2.7
40°-50°	13.8	0.2
50°-60°	7.8	0.1
60°-70°	6.0	0.1
70°-80°	2.9	0.0
80°-90°	0.5	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°	6102.4	96.8
0°-40°	6275.0	99.5
0°-60°	6296.6	99.9
0°-90°	6306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18492	
5°	14383	###
15°	11178	3002
25°	3738	1768
35°	189	173
45°	16	14
55°	10	8
65°	6	6
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18492.3
2.5°	16551.6
5°	14383.2
7.5°	13300.8
10°	12469.4
12.5°	11864.6
15°	11177.7
17.5°	9969.2
20°	7942.8
22.5°	5729.0
25°	3738.1
27.5°	2230.9
30°	871.8
32.5°	456.7
35°	188.6
37.5°	62.4
40°	38.0
42.5°	24.5
45°	15.9
47.5°	9.8
50°	7.3
52.5°	8.6
55°	9.8
57.5°	8.6
60°	8.6
62.5°	7.3
65°	6.1
67.5°	4.9
70°	3.7
72.5°	3.7
75°	2.4
77.5°	2.4
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)