

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: P179727

Luminaire Tested: **LDA6A65840D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A65840D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, 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: 6972.1 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

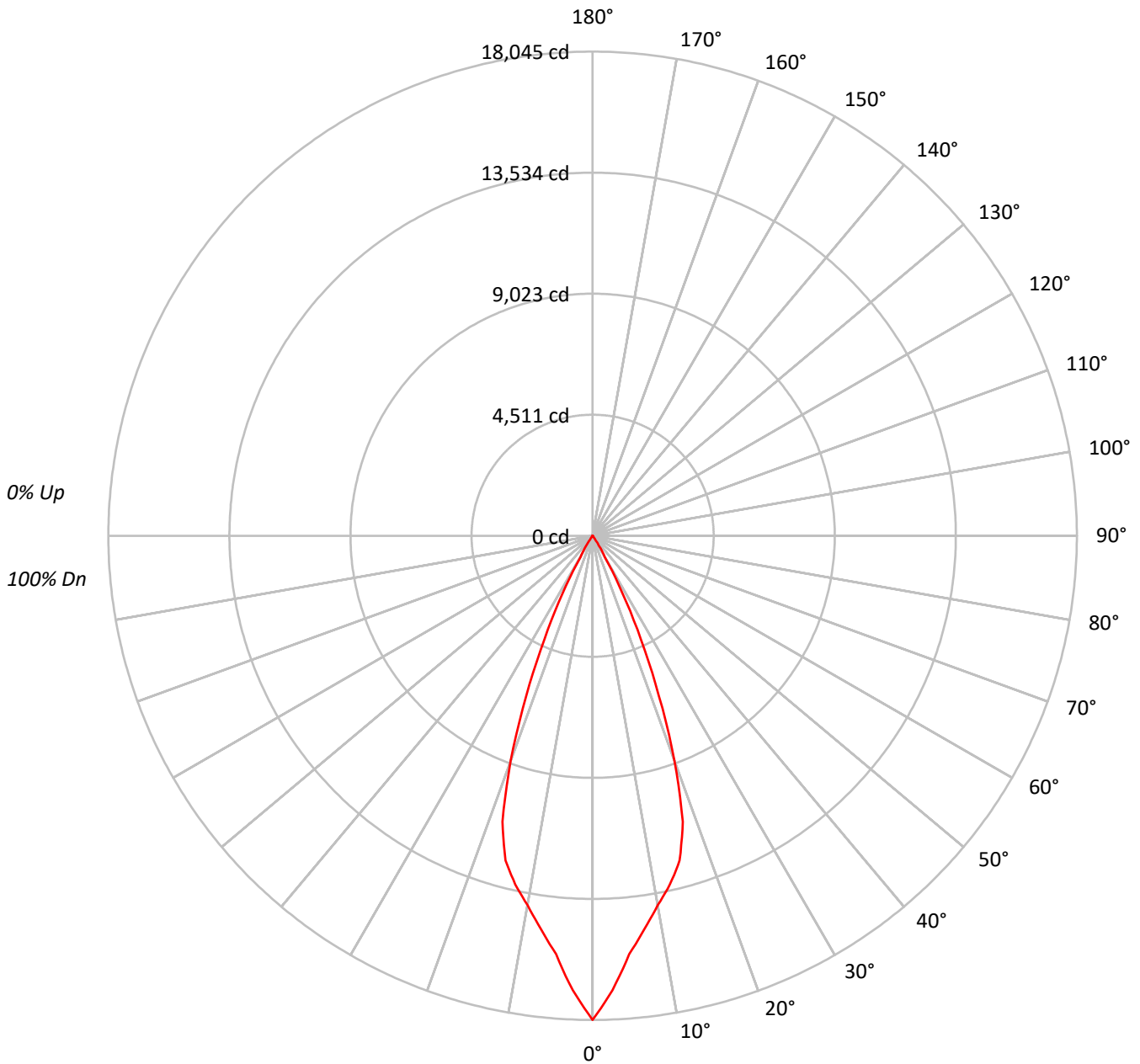
Input Watts (W): 78
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179727

CATALOG NUMBER: LDA6A65840D010TE LARH40FL 6LA1LI

Luminous Intensity Polar Plot





TEST NUMBER: P179727

CATALOG NUMBER: LDA6A65840D010TE LARH40FL 6LA1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	100	100	100
1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96	96	96	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92	92	92	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88	88	88	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85	85	85	85
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	85	82	81	81	81	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78	78	78	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75	75	75	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	72	72
9	86	79	74	71	85	79	74	71	78	74	71	77	73	71	76	73	71	70	70	70	70
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67	67	67	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	989235
5°	861218
10°	778147
15°	711014
20°	520647
25°	256914
30°	57047
35°	11551
40°	1925
45°	566
50°	102
55°	115
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0



TEST NUMBER: P179727

CATALOG NUMBER: LDA6A65840D010TE LARH40FL 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1450.7	20.8
10°-20°	3366.2	48.3
20°-30°	1974.5	28.3
30°-40°	170.8	2.4
40°-50°	7.4	0.1
50°-60°	1.1	0.0
60°-70°	1.2	0.0
70°-80°	0.2	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°	6791.5	97.4
0°-40°	6962.3	99.9
0°-60°	6970.8	100.0
0°-90°	6972.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6972.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18045	
5°	15650	###
15°	12528	3366
25°	4247	1975
35°	173	171
45°	7	7
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P179727

CATALOG NUMBER: LDA6A65840D010TE LARH40FL 6LA1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	18045.1
2.5°	16956.6
5°	15650.1
7.5°	14780.8
10°	13978.9
12.5°	13311.6
15°	12528.0
17.5°	11173.8
20°	8924.6
22.5°	6453.8
25°	4247.4
27.5°	2393.7
30°	901.2
32.5°	465.3
35°	172.6
37.5°	52.6
40°	26.9
42.5°	14.7
45°	7.3
47.5°	3.7
50°	1.2
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)