

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: P179765

Luminaire Tested: **LDA6A55830D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179765
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: LDA6A55830D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4963.2 lumens
Efficiency: N/A
Efficacy: 81.4 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

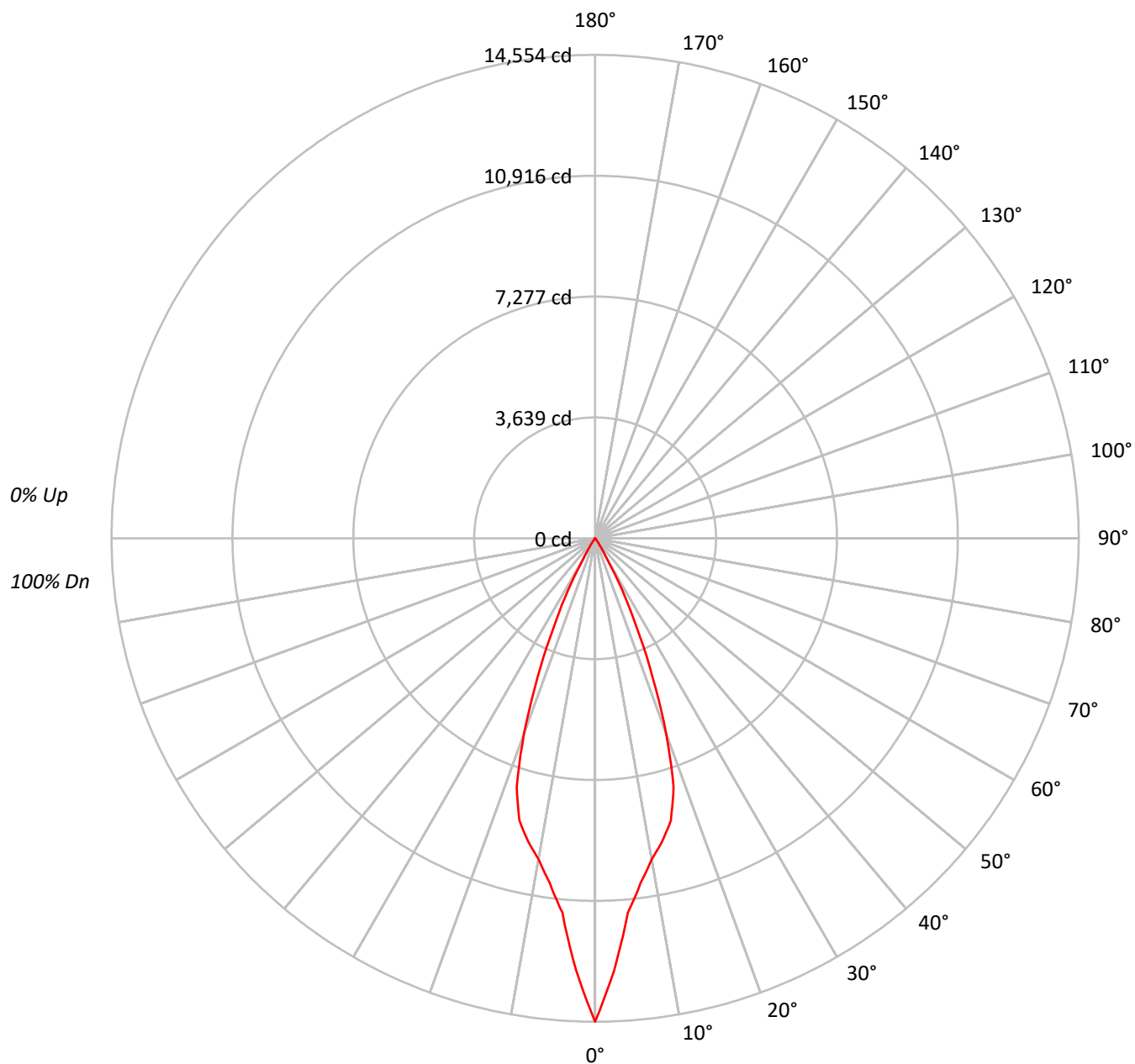
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	107	103	101		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	94		98	95	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	87	84		90	86	84		88	85	83		87	84	82
6	96	89	84	81		94	88	84	80		87	83	80		85	82	79		84	81	79
7	92	85	80	77		91	85	80	77		83	79	77		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	76	74		79	76	73		79	75	73
9	86	79	74	71		85	78	74	71		78	74	71		77	73	71		76	73	70
10	83	76	71	68		83	76	71	68		75	71	68		74	71	68		74	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	797880
5°	622957
10°	546316
15°	499293
20°	364697
25°	177960
30°	43431
35°	9931
40°	2140
45°	969
50°	495
55°	736
60°	735
65°	623
70°	465
75°	402
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1048.8	21.1
10°-20°	2362.5	47.6
20°-30°	1391.7	28.0
30°-40°	135.8	2.7
40°-50°	10.9	0.2
50°-60°	6.1	0.1
60°-70°	4.8	0.1
70°-80°	2.3	0.0
80°-90°	0.4	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°	4803.0	96.8
0°-40°	4938.8	99.5
0°-60°	4955.8	99.8
0°-90°	4963.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4963.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14554	
5°	11320	###
15°	8798	2362
25°	2942	1392
35°	148	136
45°	12	11
55°	8	6
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14554.5
2.5°	13027.1
5°	11320.4
7.5°	10468.5
10°	9814.2
12.5°	9338.1
15°	8797.5
17.5°	7846.3
20°	6251.4
22.5°	4509.1
25°	2942.1
27.5°	1755.8
30°	686.1
32.5°	359.5
35°	148.4
37.5°	49.1
40°	29.9
42.5°	19.3
45°	12.5
47.5°	7.7
50°	5.8
52.5°	6.7
55°	7.7
57.5°	6.7
60°	6.7
62.5°	5.8
65°	4.8
67.5°	3.9
70°	2.9
72.5°	2.9
75°	1.9
77.5°	1.9
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)