

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: P179819

Luminaire Tested: **LDA6A55940D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179819
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: LDA6A55940D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4936.5 lumens
Efficiency: N/A
Efficacy: 80.9 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

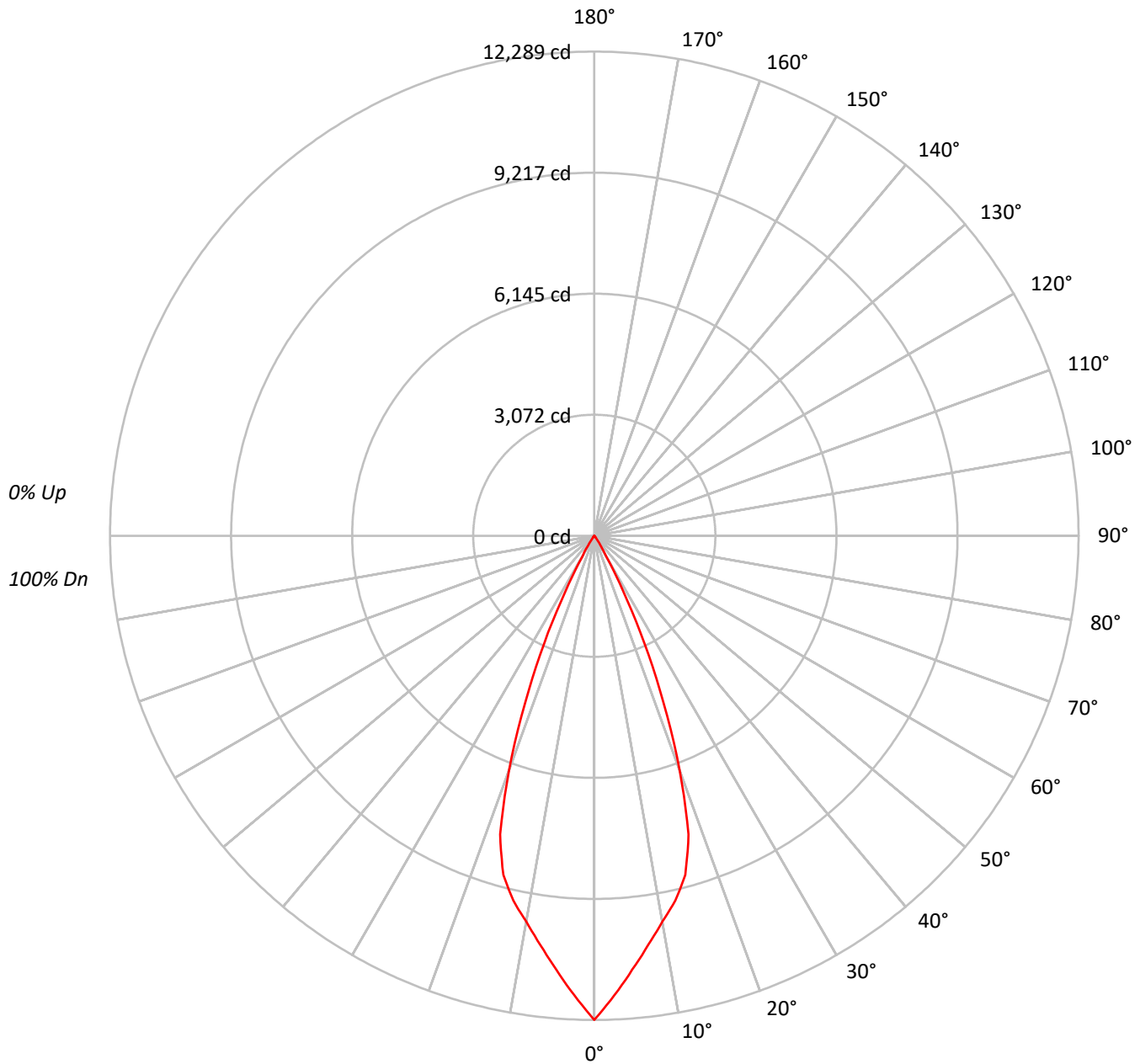
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104		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	97	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	88	84		90	86	84		89	85	83		87	84	82
6	96	89	84	81		94	88	84	81		87	83	80		85	82	80		84	81	79
7	92	85	81	77		91	85	80	77		83	80	77		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	77	74		80	76	73		79	76	73
9	86	79	74	71		85	78	74	71		78	74	71		77	73	71		76	73	70
10	84	76	72	69		83	76	71	68		75	71	68		74	71	68		74	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	673702
5°	608286
10°	553552
15°	506019
20°	369305
25°	181886
30°	39411
35°	7489
40°	2004
45°	884
50°	520
55°	421
60°	384
65°	337
70°	272
75°	191
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1022.4	20.7
10°-20°	2395.1	48.5
20°-30°	1381.6	28.0
30°-40°	120.1	2.4
40°-50°	10.0	0.2
50°-60°	4.0	0.1
60°-70°	2.3	0.0
70°-80°	0.9	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°	4799.1	97.2
0°-40°	4919.2	99.6
0°-60°	4933.2	99.9
0°-90°	4936.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4936.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12289	
5°	11054	###
15°	8916	2395
25°	3007	1382
35°	112	120
45°	11	10
55°	4	4
65°	3	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12289.3
2.5°	11672.9
5°	11053.8
7.5°	10475.0
10°	9944.2
12.5°	9486.9
15°	8916.0
17.5°	7948.0
20°	6330.4
22.5°	4582.6
25°	3007.0
27.5°	1558.1
30°	622.6
32.5°	327.0
35°	111.9
37.5°	46.3
40°	28.0
42.5°	17.5
45°	11.4
47.5°	7.0
50°	6.1
52.5°	5.2
55°	4.4
57.5°	3.5
60°	3.5
62.5°	2.6
65°	2.6
67.5°	1.7
70°	1.7
72.5°	0.9
75°	0.9
77.5°	0.9
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)