

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: P179600

Luminaire Tested: **LDA6A45927D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26665)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45927D010TE LARH20SP 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3254.1 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

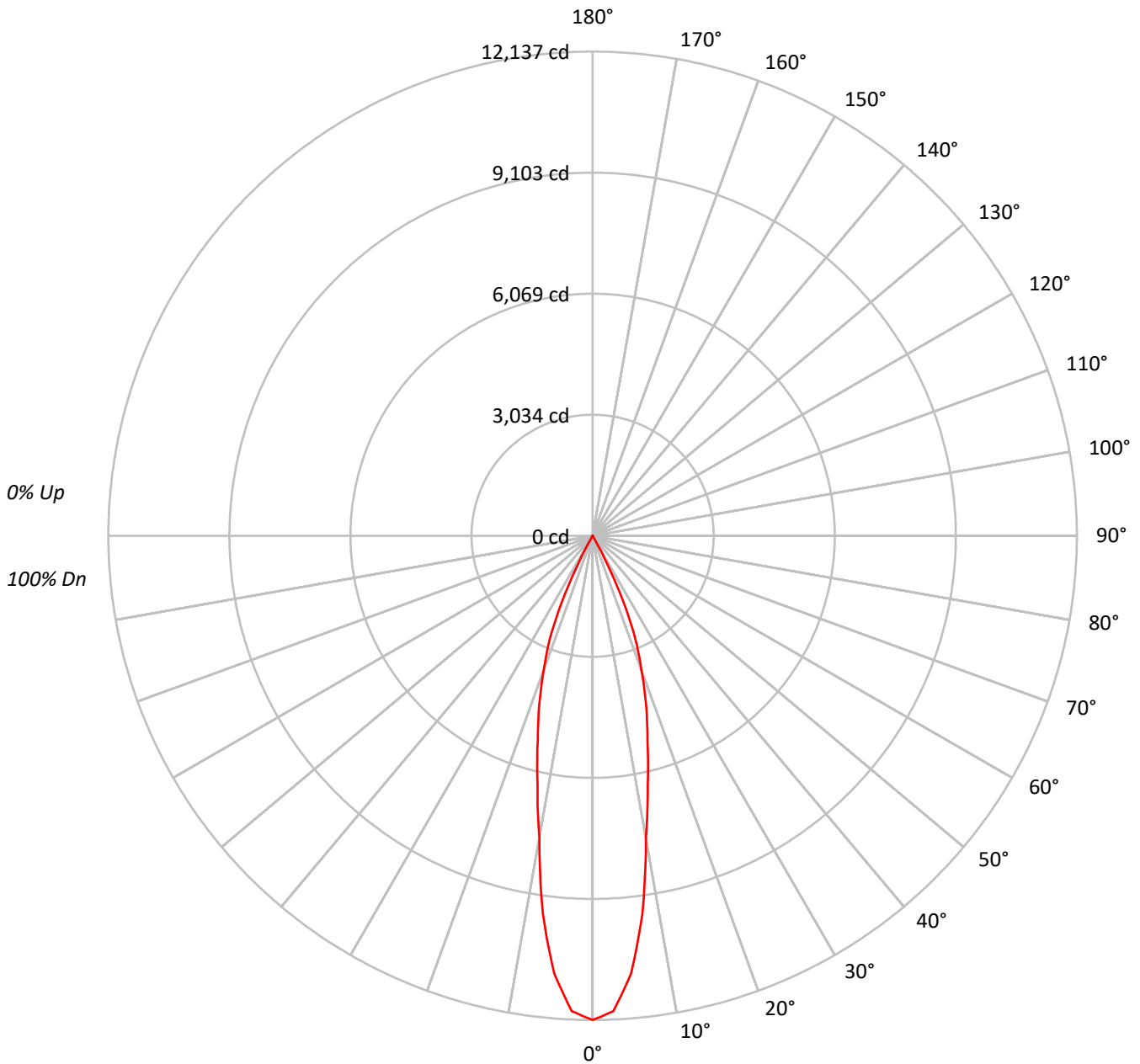
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	665347
5°	606299
10°	428343
15°	301568
20°	208513
25°	110885
30°	7349
35°	1901
40°	1209
45°	892
50°	725
55°	516
60°	417
65°	402
70°	240
75°	169
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	944.7	29.0
10°-20°	1486.0	45.7
20°-30°	781.6	24.0
30°-40°	23.5	0.7
40°-50°	9.0	0.3
50°-60°	5.0	0.2
60°-70°	2.8	0.1
70°-80°	1.1	0.0
80°-90°	0.3	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°	3212.3	98.7
0°-40°	3235.9	99.4
0°-60°	3249.9	99.9
0°-90°	3254.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3254.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12137	
5°	11018	945
15°	5314	1486
25°	1833	782
35°	28	24
45°	12	9
55°	5	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12136.9
2.5°	11928.6
5°	11017.7
7.5°	9565.0
10°	7694.9
12.5°	6383.6
15°	5313.6
17.5°	4455.1
20°	3574.2
22.5°	2807.1
25°	1833.2
27.5°	708.7
30°	116.1
32.5°	39.2
35°	28.4
37.5°	21.5
40°	16.9
42.5°	13.8
45°	11.5
47.5°	9.2
50°	8.5
52.5°	6.1
55°	5.4
57.5°	4.6
60°	3.8
62.5°	3.1
65°	3.1
67.5°	2.3
70°	1.5
72.5°	1.5
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)