

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: P179739

Luminaire Tested: **LDA6A55940D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26678)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55940D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3881.2 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.45
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

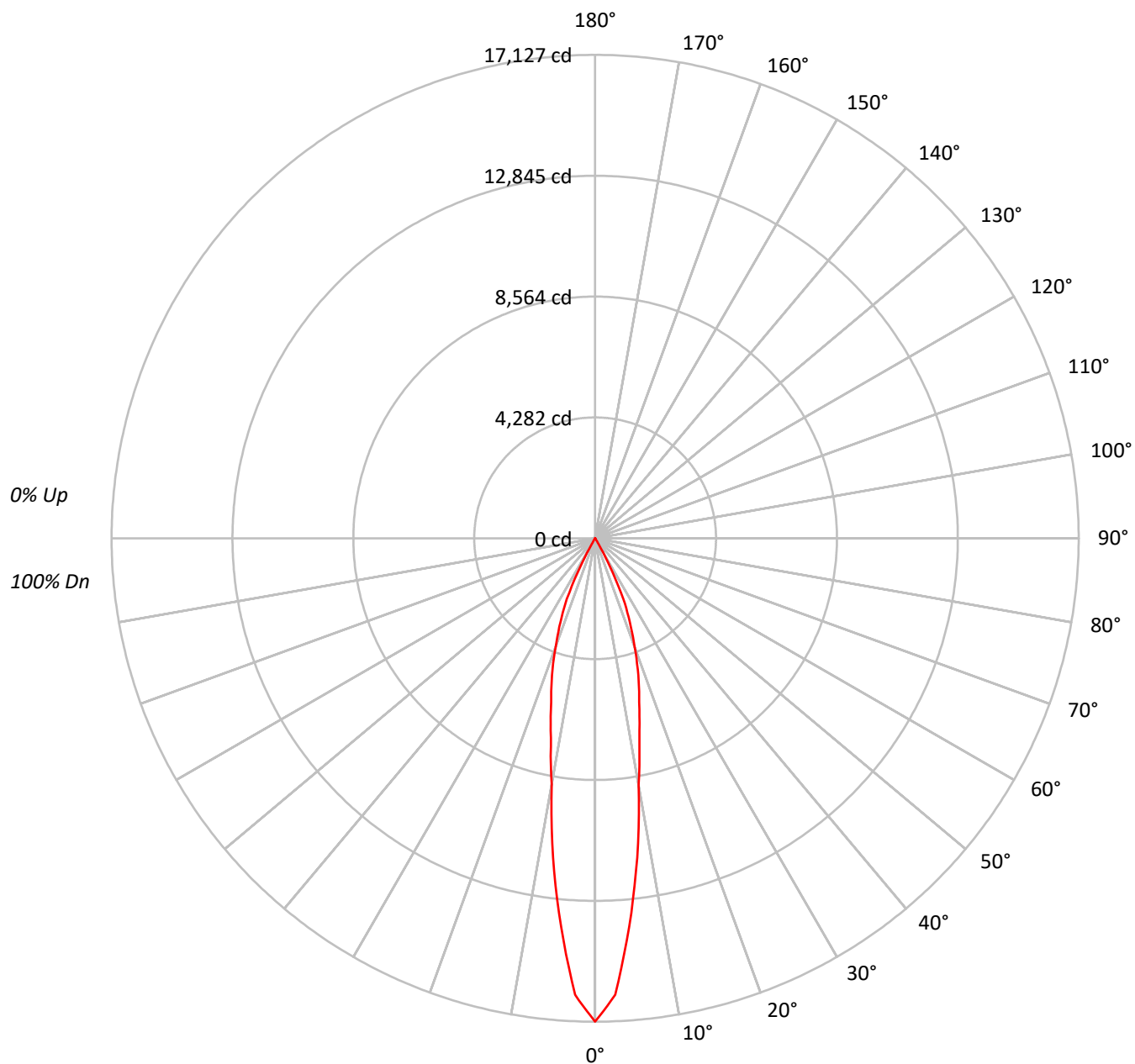
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97
3	107	103	99	96	105	101	98	95	99	96	94		96	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		93	91	89		92
5	101	94	90	87	99	94	90	87	92	89	86		91	88	85		89
6	97	91	87	84	96	90	86	83	89	85	83		88	85	82		87
7	95	88	84	80	93	87	83	80	86	83	80		85	82	80		84
8	92	85	81	78	91	84	80	78	83	80	77		83	79	77		82
9	89	82	78	75	88	82	78	75	81	77	75		80	77	75		80
10	87	80	75	73	86	79	75	73	79	75	72		78	75	72		77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	938883
5°	760459
10°	493155
15°	341336
20°	238447
25°	143313
30°	15110
35°	1466
40°	873
45°	543
50°	520
55°	755
60°	866
65°	675
70°	561
75°	551
80°	537
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1167.8	30.1
10°-20°	1691.7	43.6
20°-30°	971.2	25.0
30°-40°	28.5	0.7
40°-50°	6.1	0.2
50°-60°	6.7	0.2
60°-70°	5.5	0.1
70°-80°	3.0	0.1
80°-90°	0.7	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°	3830.7	98.7
0°-40°	3859.2	99.4
0°-60°	3872.0	99.8
0°-90°	3881.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3881.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17127	
5°	13819	###
15°	6014	1692
25°	2369	971
35°	22	28
45°	7	6
55°	8	7
65°	5	6
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17126.6
2.5°	16191.1
5°	13819.1
7.5°	11410.4
10°	8859.2
12.5°	7230.4
15°	6014.3
17.5°	5086.7
20°	4087.3
22.5°	3204.3
25°	2369.3
27.5°	1121.7
30°	238.7
32.5°	29.7
35°	21.9
37.5°	15.7
40°	12.2
42.5°	9.6
45°	7.0
47.5°	6.1
50°	6.1
52.5°	7.0
55°	7.9
57.5°	7.9
60°	7.9
62.5°	7.0
65°	5.2
67.5°	4.4
70°	3.5
72.5°	3.5
75°	2.6
77.5°	2.6
80°	1.7
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)