

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: P179781

Luminaire Tested: **LDA6A55830D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26681)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55830D010TE LARH20SP 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4648.1 lumens
Efficiency: N/A
Efficacy: 76.2 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

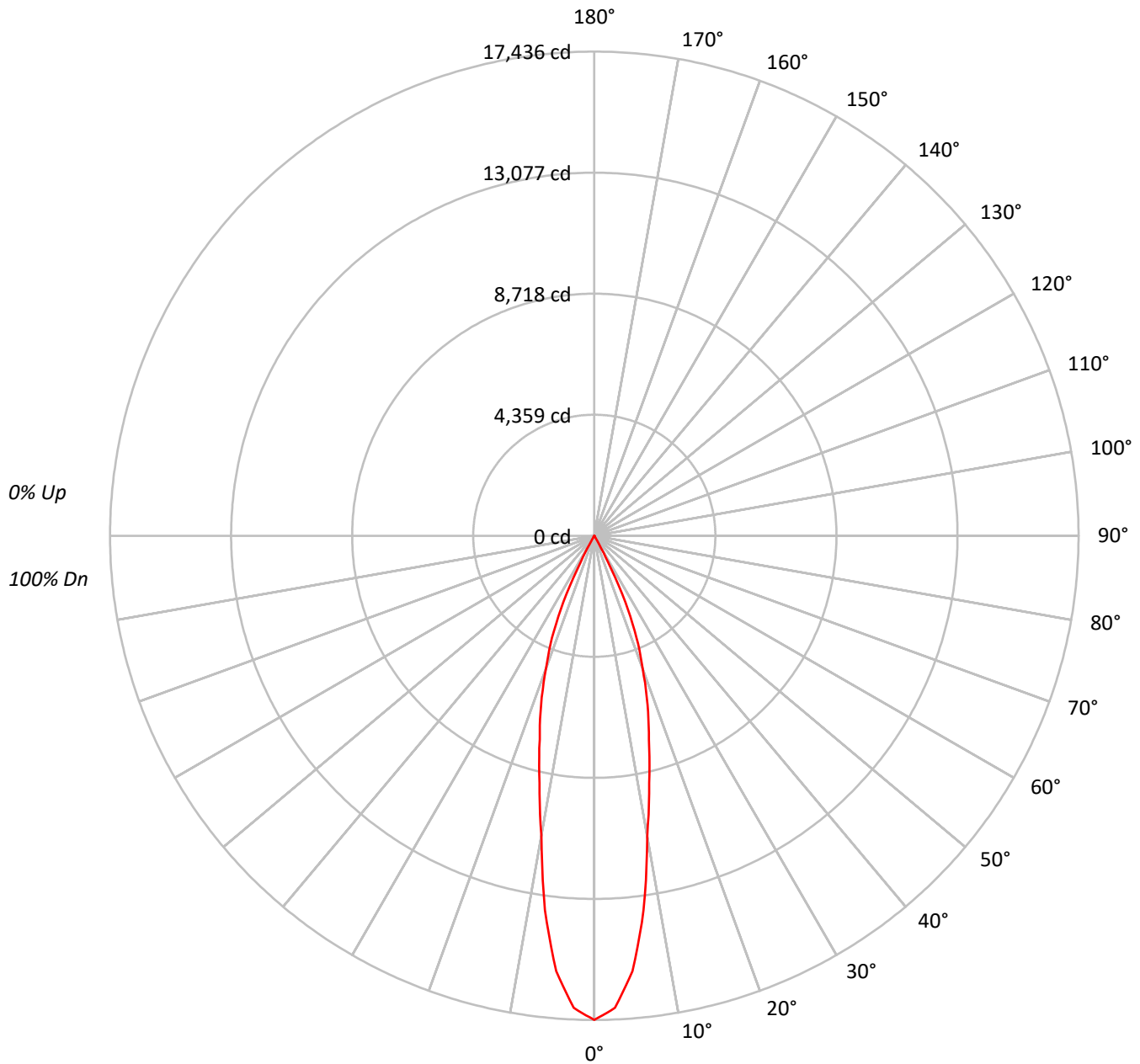
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101		103	100	98			100	98	96			97
3	107	103	99	96	106	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	94	88	83	80	93	87	83	80		86	82	80			85	82	79			84
8	92	85	81	78	91	84	80	77		83	80	77			83	79	77			82
9	89	82	78	75	88	82	78	75		81	77	75			80	77	74			79
10	87	80	75	73	86	79	75	73		79	75	72			78	75	72			77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	955823
5°	866033
10°	610621
15°	431302
20°	297059
25°	160122
30°	11287
35°	2710
40°	1725
45°	1194
50°	989
55°	640
60°	526
65°	506
70°	305
75°	212
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1346.6	29.0
10°-20°	2123.2	45.7
20°-30°	1120.0	24.1
30°-40°	34.2	0.7
40°-50°	12.5	0.3
50°-60°	6.5	0.1
60°-70°	3.7	0.1
70°-80°	1.4	0.0
80°-90°	0.1	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°	4589.7	98.7
0°-40°	4623.9	99.5
0°-60°	4642.9	99.9
0°-90°	4648.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4648.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17436	
5°	15738	###
15°	7600	2123
25°	2647	1120
35°	40	34
45°	15	12
55°	7	7
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17435.6
2.5°	17017.4
5°	15737.6
7.5°	13595.4
10°	10969.4
12.5°	9114.3
15°	7599.5
17.5°	6379.5
20°	5092.0
22.5°	3979.0
25°	2647.2
27.5°	1037.9
30°	178.3
32.5°	54.9
35°	40.5
37.5°	29.9
40°	24.1
42.5°	19.3
45°	15.4
47.5°	12.5
50°	11.6
52.5°	8.7
55°	6.7
57.5°	5.8
60°	4.8
62.5°	4.8
65°	3.9
67.5°	2.9
70°	1.9
72.5°	1.9
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)