

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: P179574

Luminaire Tested: **LDA6A45835D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26662)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45835D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3896.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.47
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

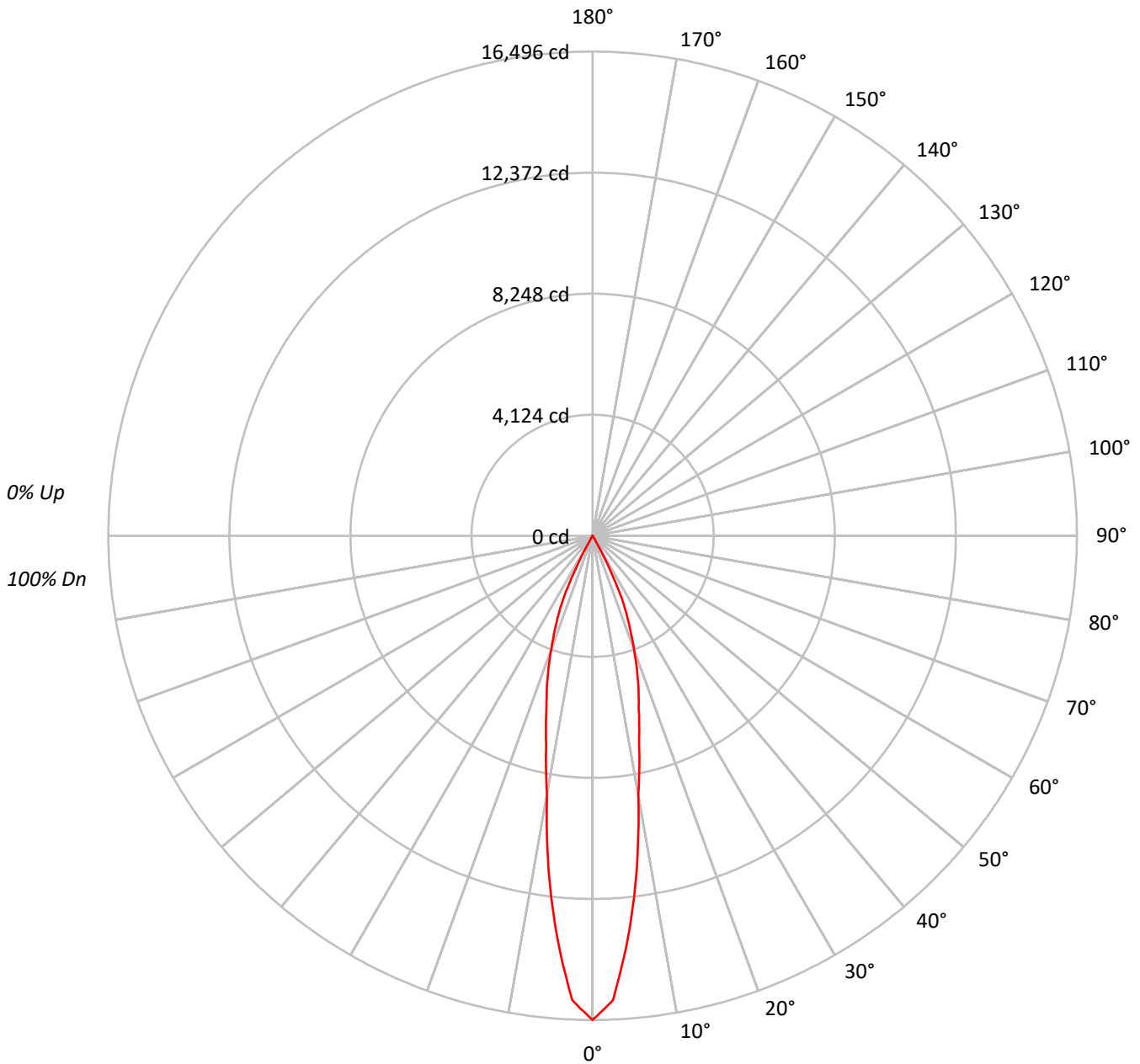
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	91	95	92	90	93	91	89	92	89	88	86	86	86	86
5	101	94	90	87	99	94	90	87	92	89	86	90	88	85	89	87	85	83	83	83	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	87	84	82	81	81	81	81
7	94	88	83	80	93	87	83	80	86	83	80	85	82	79	84	81	79	78	78	78	78
8	92	85	81	78	91	84	80	77	83	80	77	83	79	77	82	79	77	76	76	76	76
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	79	76	74	73	73	73	73
10	87	80	75	73	86	79	75	73	79	75	72	78	75	72	77	74	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	904292
5°	758120
10°	498922
15°	344202
20°	239882
25°	142986
30°	14749
35°	1405
40°	859
45°	620
50°	597
55°	860
60°	877
65°	778
70°	641
75°	635
80°	631
85°	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1166.5	29.9
10°-20°	1707.0	43.8
20°-30°	970.6	24.9
30°-40°	27.8	0.7
40°-50°	6.6	0.2
50°-60°	7.5	0.2
60°-70°	5.9	0.2
70°-80°	3.2	0.1
80°-90°	0.8	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°	3844.1	98.7
0°-40°	3871.9	99.4
0°-60°	3886.1	99.7
0°-90°	3896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3896.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16496	
5°	13777	###
15°	6065	1707
25°	2364	971
35°	21	28
45°	8	7
55°	9	8
65°	6	6
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16495.6
2.5°	15838.6
5°	13776.6
7.5°	11512.7
10°	8962.8
12.5°	7311.8
15°	6064.8
17.5°	5123.9
20°	4111.9
22.5°	3226.9
25°	2363.9
27.5°	1096.0
30°	233.0
32.5°	29.0
35°	21.0
37.5°	16.0
40°	12.0
42.5°	10.0
45°	8.0
47.5°	7.0
50°	7.0
52.5°	8.0
55°	9.0
57.5°	9.0
60°	8.0
62.5°	7.0
65°	6.0
67.5°	5.0
70°	4.0
72.5°	4.0
75°	3.0
77.5°	2.0
80°	2.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)