

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: P179763

Luminaire Tested: **LDA6A65940D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26679)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A65940D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5150.2 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

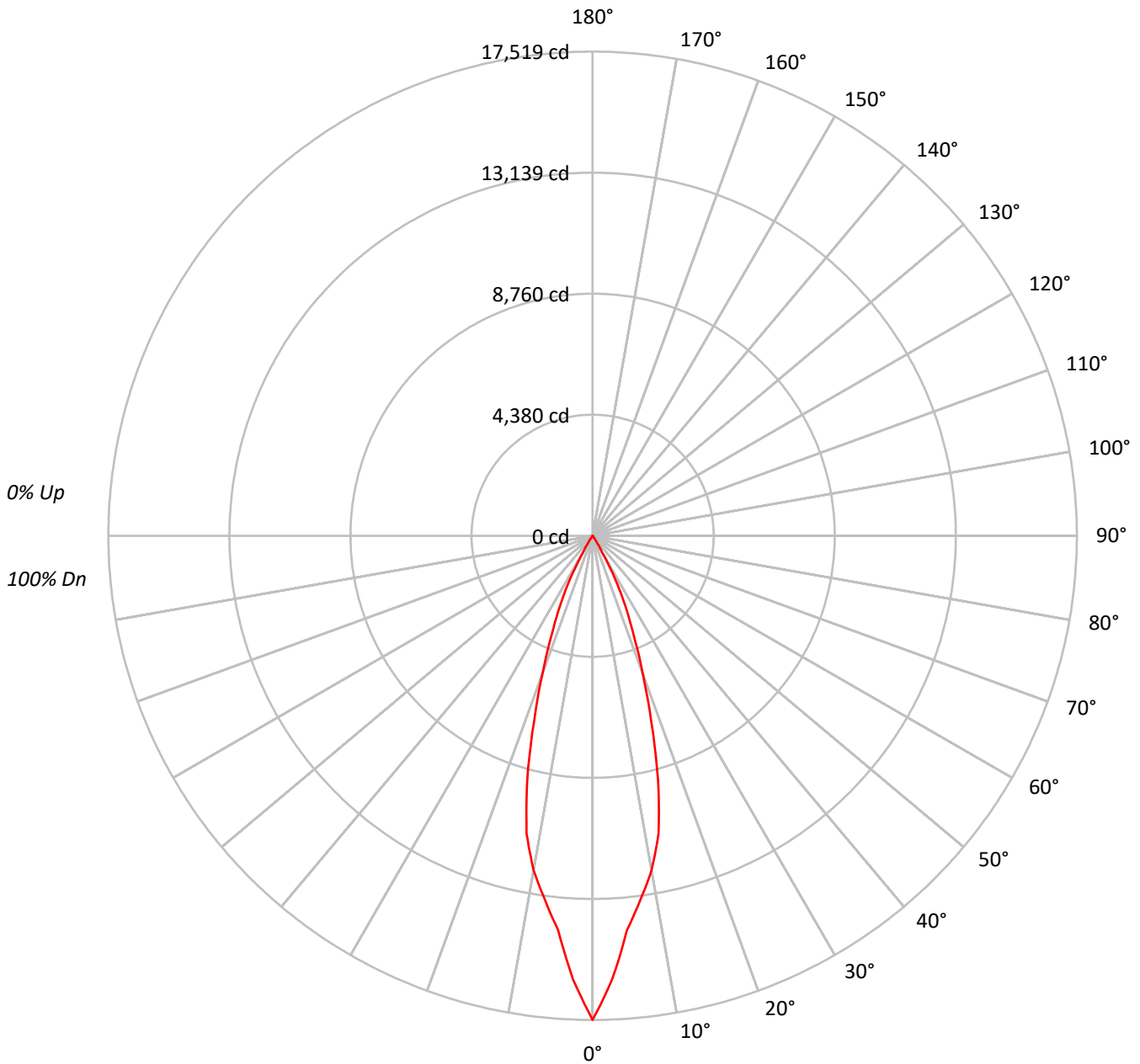
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	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	112	110	109	107	106	105	104	103	102	101	99	99	98	96																												
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																												
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89																												
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86																												
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	82																												
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80																												
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77																												
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																												
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																												
10	85	78	74	71	84	78	74	71	77	73	71	76	73	71	76	73	70	69																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	960389
5°	787974
10°	684011
15°	518090
20°	307910
25°	167738
30°	43323
35°	4049
40°	1718
45°	892
50°	443
55°	698
60°	691
65°	545
70°	497
75°	445
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1317.6	25.6
10°-20°	2444.9	47.5
20°-30°	1254.6	24.4
30°-40°	110.2	2.1
40°-50°	9.7	0.2
50°-60°	6.0	0.1
60°-70°	4.2	0.1
70°-80°	2.5	0.0
80°-90°	0.4	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°	5017.1	97.4
0°-40°	5127.4	99.6
0°-60°	5143.1	99.9
0°-90°	5150.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5150.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17519	
5°	14319	###
15°	9129	2445
25°	2773	1255
35°	60	110
45°	12	10
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17518.9
2.5°	16078.1
5°	14319.1
7.5°	13272.7
10°	12287.8
12.5°	11032.7
15°	9128.7
17.5°	7058.9
20°	5278.0
22.5°	3854.9
25°	2773.1
27.5°	1752.7
30°	684.4
32.5°	300.5
35°	60.5
37.5°	34.4
40°	24.0
42.5°	16.7
45°	11.5
47.5°	8.3
50°	5.2
52.5°	6.3
55°	7.3
57.5°	7.3
60°	6.3
62.5°	5.2
65°	4.2
67.5°	3.1
70°	3.1
72.5°	3.1
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)