

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: P208944

Luminaire Tested: **LDSQA6A45927D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A45927D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3511.0 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

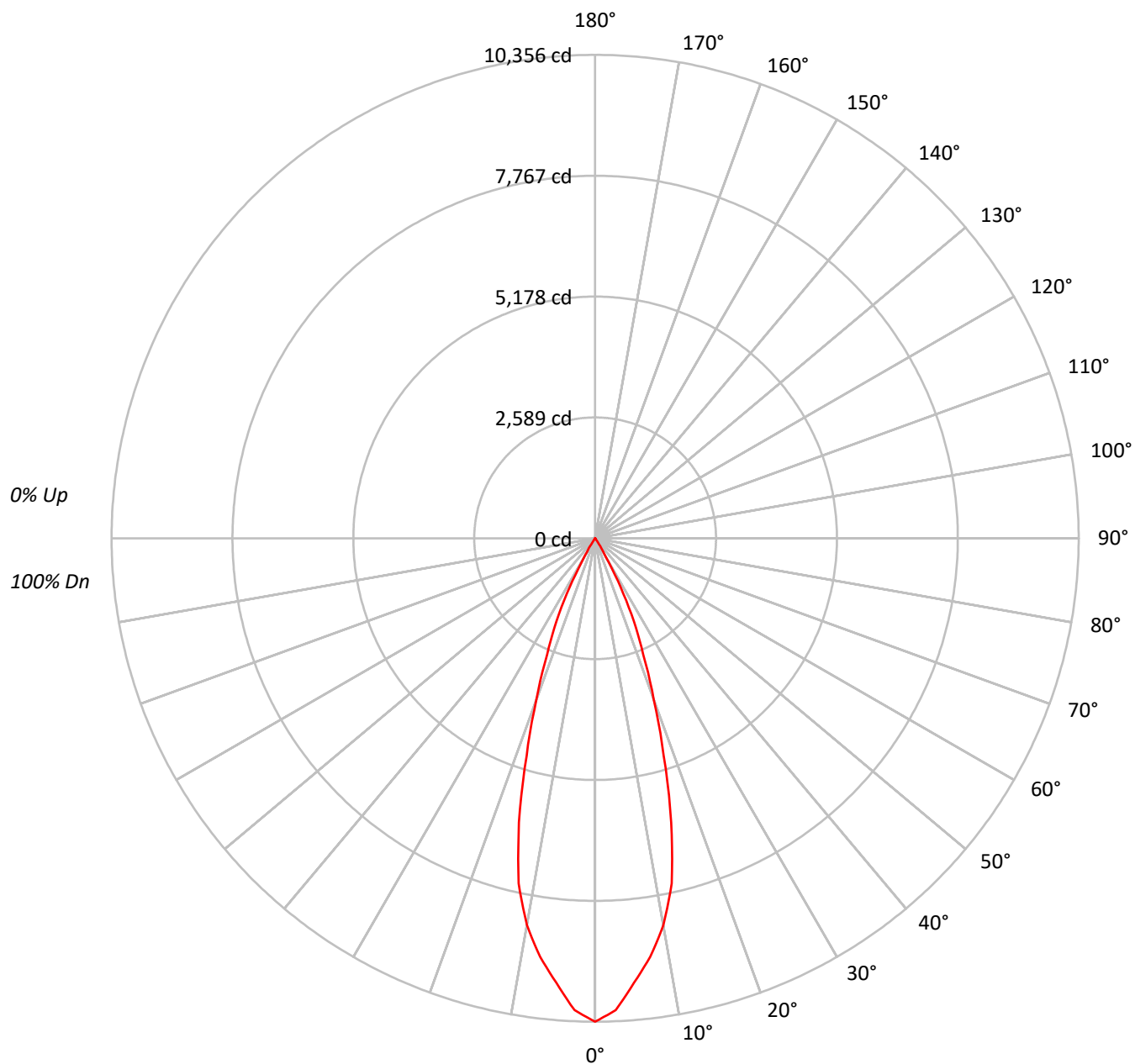
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	445884
5°	412999
10°	367920
15°	280752
20°	168316
25°	92762
30°	22949
35°	1771
40°	500
45°	195
50°	87
55°	98
60°	112
65°	61
70°	76
75°	100
80°	149
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	879.1	25.0
10°-20°	1685.3	48.0
20°-30°	870.4	24.8
30°-40°	70.5	2.0
40°-50°	2.9	0.1
50°-60°	1.2	0.0
60°-70°	0.8	0.0
70°-80°	0.6	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°	3434.8	97.8
0°-40°	3505.3	99.8
0°-60°	3509.4	100.0
0°-90°	3511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3511.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10356	
5°	9556	879
15°	6298	1685
25°	1953	870
35°	34	71
45°	3	3
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10356.0
2.5°	10119.8
5°	9555.7
7.5°	9041.9
10°	8415.4
12.5°	7573.1
15°	6298.5
17.5°	4883.2
20°	3673.5
22.5°	2693.1
25°	1952.6
27.5°	1175.9
30°	461.6
32.5°	196.1
35°	33.7
37.5°	16.6
40°	8.9
42.5°	5.1
45°	3.2
47.5°	1.9
50°	1.3
52.5°	1.3
55°	1.3
57.5°	1.3
60°	1.3
62.5°	1.3
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)