

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: P208969

Luminaire Tested: **LDSQA6A75930D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208969
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: LDSQA6A75930D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5571.8 lumens
Efficiency: N/A
Efficacy: 70.1 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

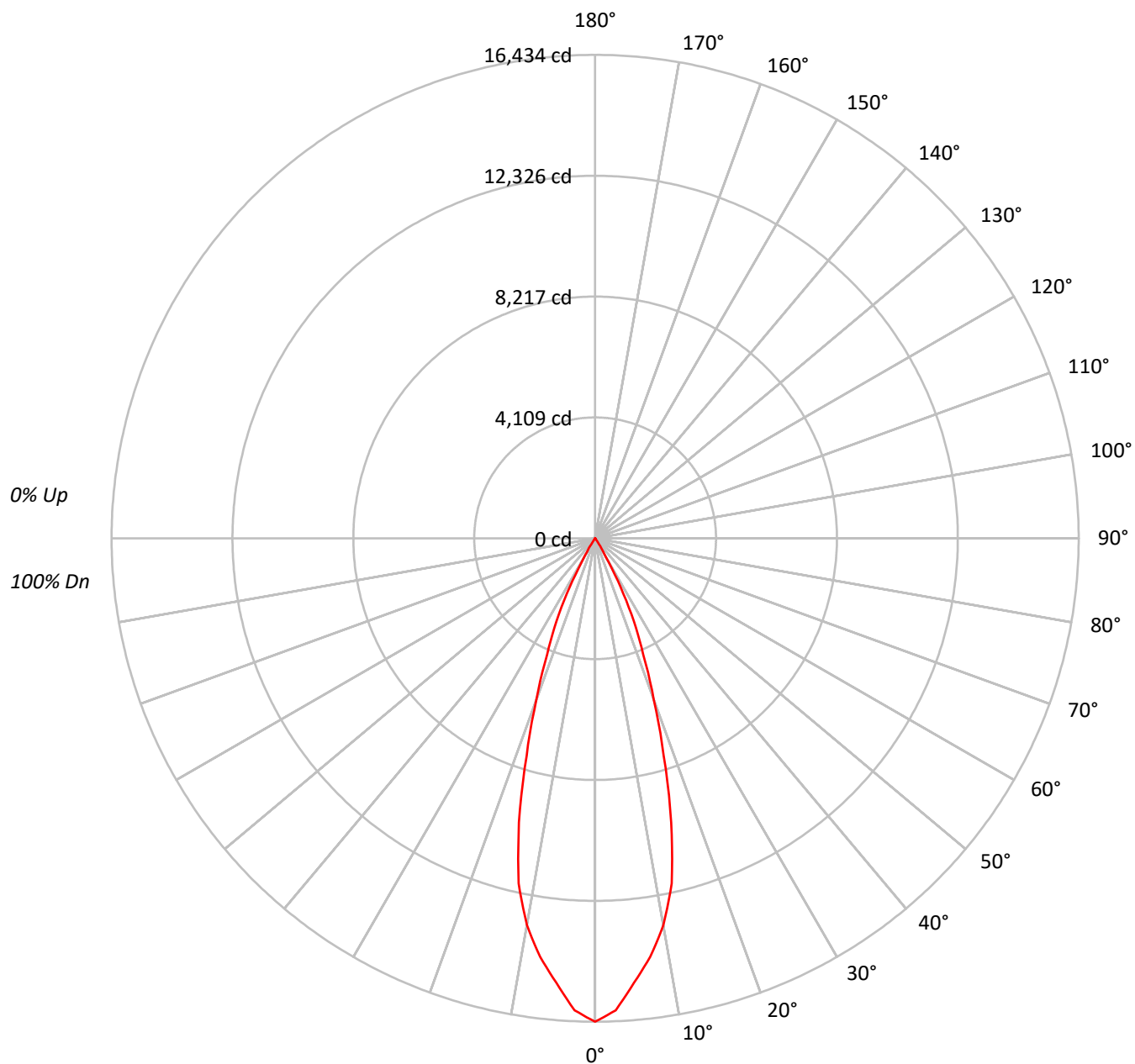
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208969

CATALOG NUMBER: LDSQA6A75930D010TE LARH30NF 6LSQA1H

Luminous Intensity Polar Plot





TEST NUMBER: P208969

CATALOG NUMBER: LDSQA6A75930D010TE LARH30NF 6LSQA1H

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°	707598
5°	655412
10°	583874
15°	445544
20°	267115
25°	147214
30°	36417
35°	2812
40°	792
45°	311
50°	134
55°	150
60°	172
65°	102
70°	126
75°	166
80°	248
85°	0



TEST NUMBER: P208969

CATALOG NUMBER: LDSQA6A75930D010TE LARH30NF 6LSQA1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1395.1	25.0
10°-20°	2674.6	48.0
20°-30°	1381.2	24.8
30°-40°	111.9	2.0
40°-50°	4.6	0.1
50°-60°	1.8	0.0
60°-70°	1.4	0.0
70°-80°	1.1	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°	5450.9	97.8
0°-40°	5562.9	99.8
0°-60°	5569.2	100.0
0°-90°	5571.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5571.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16434	
5°	15164	###
15°	9996	2675
25°	3099	1381
35°	54	112
45°	5	5
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P208969

CATALOG NUMBER: LDSQA6A75930D010TE LARH30NF 6LSQA1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	16434.5
2.5°	16059.7
5°	15164.5
7.5°	14349.1
10°	13354.9
12.5°	12018.2
15°	9995.5
17.5°	7749.5
20°	5829.8
22.5°	4273.8
25°	3098.8
27.5°	1866.1
30°	732.5
32.5°	311.2
35°	53.5
37.5°	26.3
40°	14.1
42.5°	8.1
45°	5.1
47.5°	3.0
50°	2.0
52.5°	2.0
55°	2.0
57.5°	2.0
60°	2.0
62.5°	2.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)