

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: P208940

Luminaire Tested: **LDSQA6A45827D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208940
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: LDSQA6A45827D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4122.9 lumens
Efficiency: N/A
Efficacy: 75.8 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

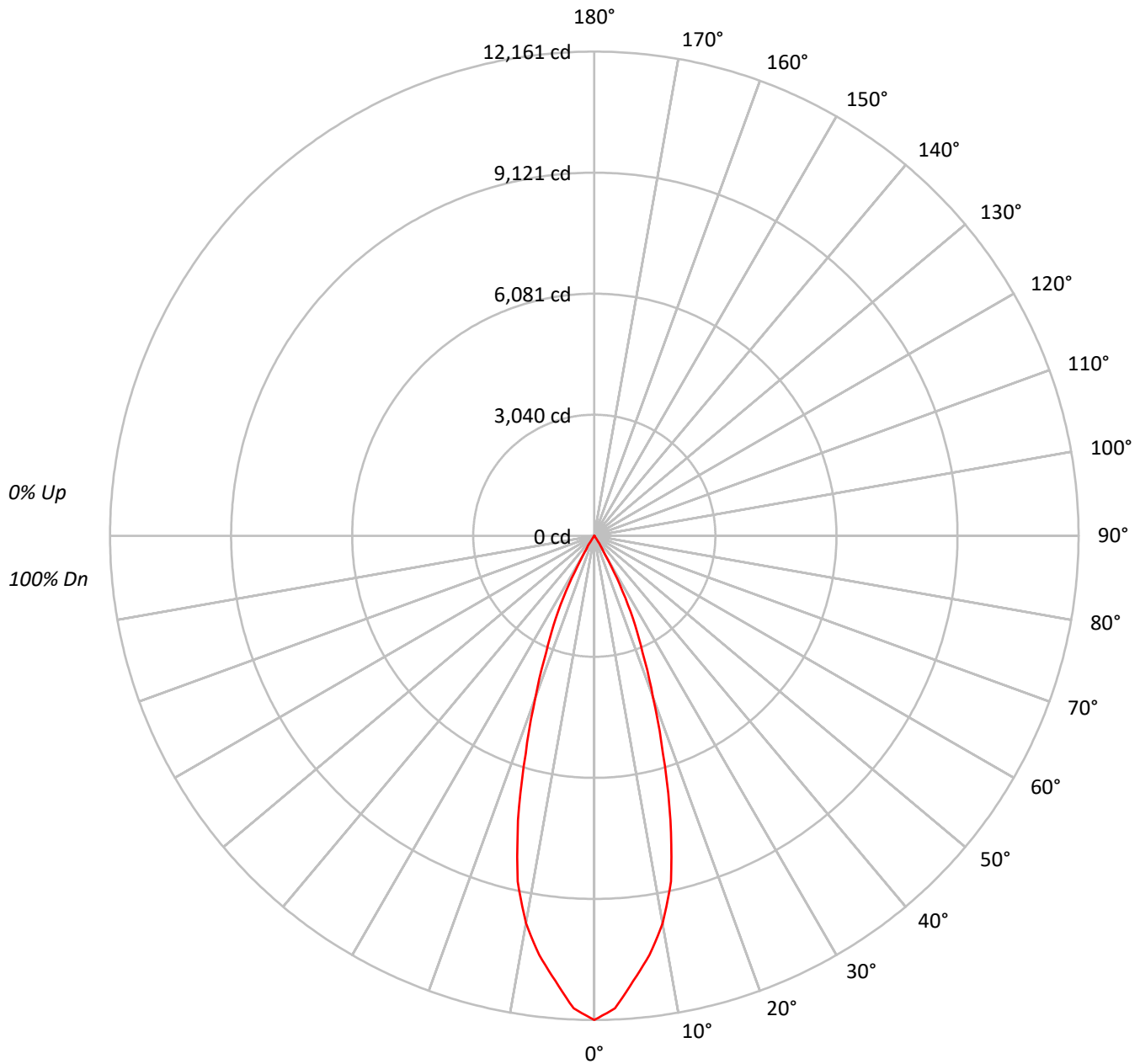
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208940

CATALOG NUMBER: LDSQA6A45827D010TE LARH30NF 6LSQA1H

Luminous Intensity Polar Plot





TEST NUMBER: P208940

CATALOG NUMBER: LDSQA6A45827D010TE 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°	523604
5°	484986
10°	432053
15°	329691
20°	197658
25°	108933
30°	26946
35°	2081
40°	590
45°	225
50°	100
55°	113
60°	129
65°	71
70°	88
75°	116
80°	174
85°	0



TEST NUMBER: P208940

CATALOG NUMBER: LDSQA6A45827D010TE LARH30NF 6LSQA1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1032.4	25.0
10°-20°	1979.1	48.0
20°-30°	1022.1	24.8
30°-40°	82.8	2.0
40°-50°	3.4	0.1
50°-60°	1.3	0.0
60°-70°	1.0	0.0
70°-80°	0.7	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°	4033.5	97.8
0°-40°	4116.4	99.8
0°-60°	4121.1	100.0
0°-90°	4122.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4122.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12161	
5°	11221	###
15°	7396	1979
25°	2293	1022
35°	40	83
45°	4	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P208940

CATALOG NUMBER: LDSQA6A45827D010TE LARH30NF 6LSQA1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	12161.1
2.5°	11883.7
5°	11221.3
7.5°	10618.0
10°	9882.3
12.5°	8893.2
15°	7396.4
17.5°	5734.4
20°	4313.9
22.5°	3162.5
25°	2293.0
27.5°	1380.9
30°	542.0
32.5°	230.3
35°	39.6
37.5°	19.4
40°	10.5
42.5°	6.0
45°	3.7
47.5°	2.2
50°	1.5
52.5°	1.5
55°	1.5
57.5°	1.5
60°	1.5
62.5°	1.5
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)