

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: P208949

Luminaire Tested: **LDSQA6A55830D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208949
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: LDSQA6A55830D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4936.4 lumens
Efficiency: N/A
Efficacy: 81.2 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

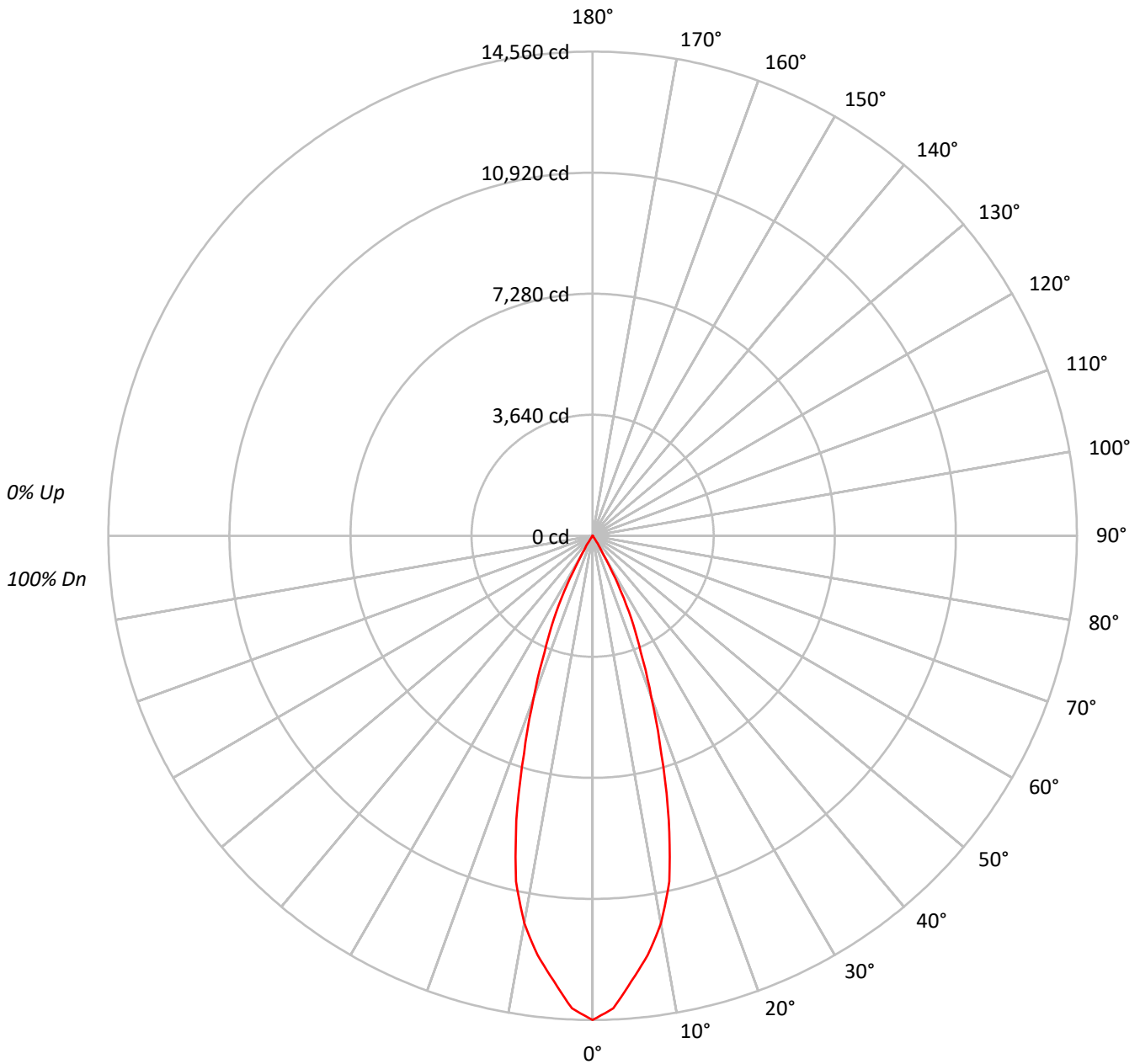
Input Watts (W): 60.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208949

CATALOG NUMBER: LDSQA6A55830D010TE LARH30NF 6LSQA1H

Luminous Intensity Polar Plot





TEST NUMBER: P208949

CATALOG NUMBER: LDSQA6A55830D010TE LARH30NF 6LSQA1H

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			
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	103	100	102	100	98	99	98	96	97	95	94	92			
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89			
4	103	98	94	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	83			
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	70	76	73	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	626899
5°	580662
10°	517285
15°	394729
20°	236650
25°	130425
30°	32266
35°	2491
40°	703
45°	274
50°	121
55°	135
60°	155
65°	92
70°	113
75°	150
80°	223
85°	0



TEST NUMBER: P208949

CATALOG NUMBER: LDSQA6A55830D010TE LARH30NF 6LSQA1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1236.0	25.0
10°-20°	2369.5	48.0
20°-30°	1223.7	24.8
30°-40°	99.2	2.0
40°-50°	4.1	0.1
50°-60°	1.6	0.0
60°-70°	1.2	0.0
70°-80°	1.0	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°	4829.3	97.8
0°-40°	4928.4	99.8
0°-60°	4934.1	100.0
0°-90°	4936.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4936.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14560	
5°	13435	###
15°	8856	2370
25°	2745	1224
35°	47	99
45°	4	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P208949

CATALOG NUMBER: LDSQA6A55830D010TE LARH30NF 6LSQA1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	14560.2
2.5°	14228.1
5°	13435.0
7.5°	12712.6
10°	11831.8
12.5°	10647.6
15°	8855.5
17.5°	6865.6
20°	5164.9
22.5°	3786.4
25°	2745.4
27.5°	1653.3
30°	649.0
32.5°	275.7
35°	47.4
37.5°	23.3
40°	12.5
42.5°	7.2
45°	4.5
47.5°	2.7
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.8
60°	1.8
62.5°	1.8
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)