

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: P208946

Luminaire Tested: **LDSQA6A45935D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208946
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: LDSQA6A45935D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4011.2 lumens
Efficiency: N/A
Efficacy: 73.7 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

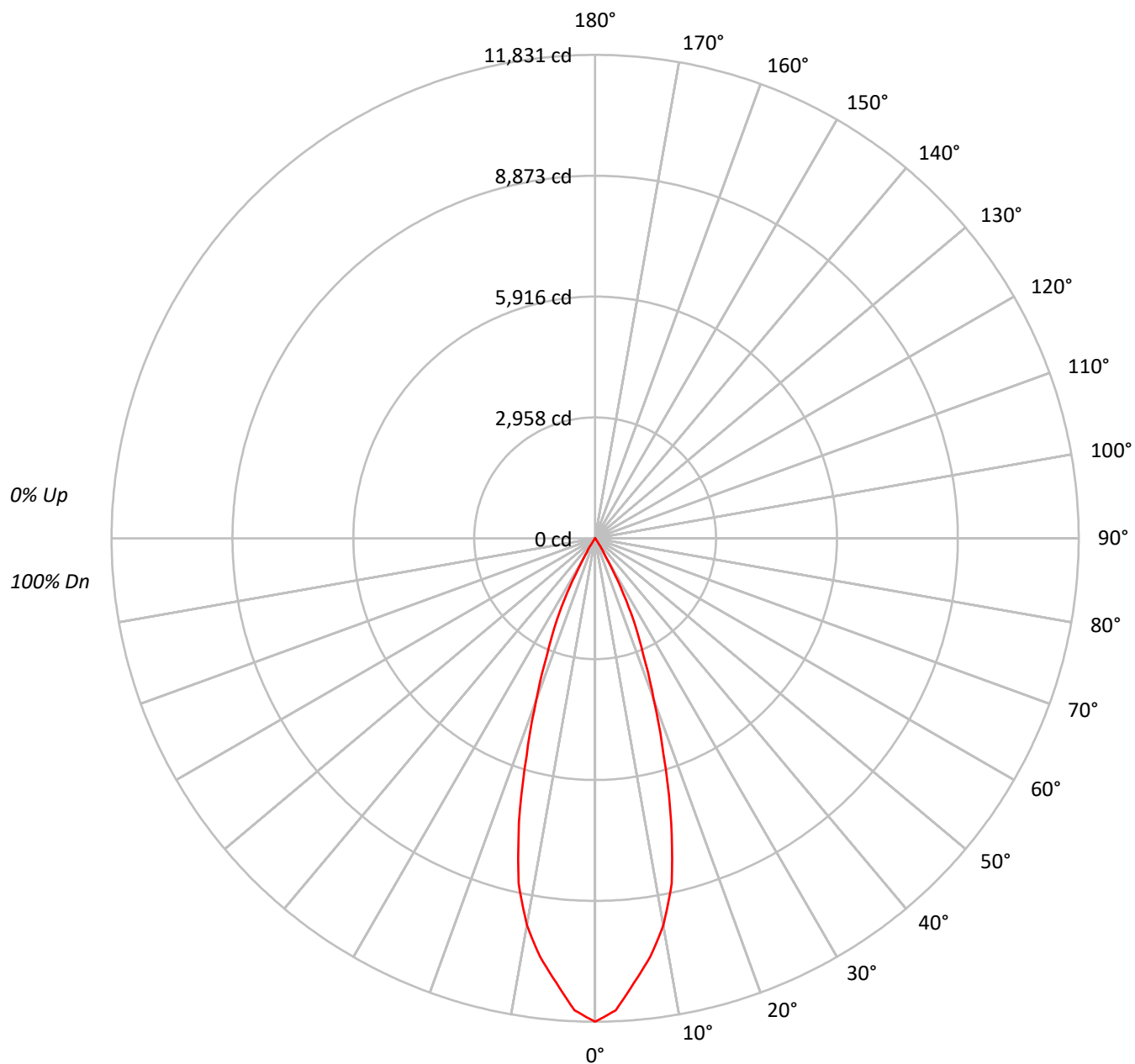
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208946

CATALOG NUMBER: LDSQA6A45935D010TE LARH30NF 6LSQA1H

Luminous Intensity Polar Plot





TEST NUMBER: P208946

CATALOG NUMBER: LDSQA6A45935D010TE LARH30NF 6LSQA1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	509409
5°	471838
10°	420340
15°	320754
20°	192297
25°	105978
30°	26215
35°	2029
40°	573
45°	219
50°	100
55°	113
60°	129
65°	71
70°	88
75°	116
80°	174
85°	0



TEST NUMBER: P208946

CATALOG NUMBER: LDSQA6A45935D010TE LARH30NF 6LSQA1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1004.4	25.0
10°-20°	1925.5	48.0
20°-30°	994.4	24.8
30°-40°	80.6	2.0
40°-50°	3.3	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°	3924.2	97.8
0°-40°	4004.8	99.8
0°-60°	4009.4	100.0
0°-90°	4011.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4011.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11831	
5°	10917	###
15°	7196	1925
25°	2231	994
35°	39	81
45°	4	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P208946

CATALOG NUMBER: LDSQA6A45935D010TE LARH30NF 6LSQA1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	11831.4
2.5°	11561.6
5°	10917.1
7.5°	10330.1
10°	9614.4
12.5°	8652.1
15°	7195.9
17.5°	5578.9
20°	4196.9
22.5°	3076.8
25°	2230.8
27.5°	1343.5
30°	527.3
32.5°	224.0
35°	38.6
37.5°	18.9
40°	10.2
42.5°	5.8
45°	3.6
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)