

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: P208988

Luminaire Tested: **LDSQA6A65827D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A65827D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5867.4 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

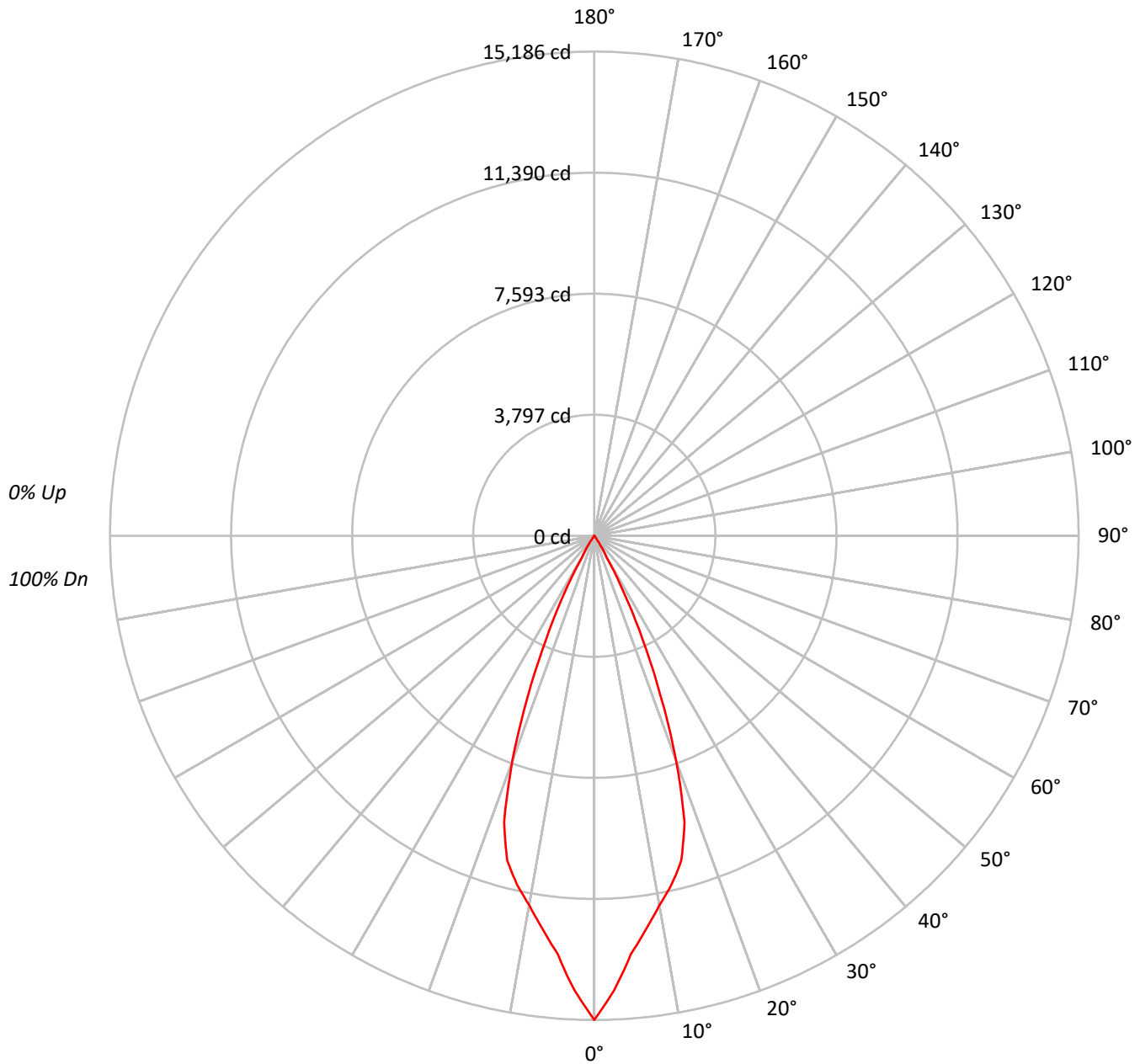
Input Watts (W): 78.67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208988

CATALOG NUMBER: LDSQA6A65827D010TE LARH40FL 6LSQA1H

Luminous Intensity Polar Plot





TEST NUMBER: P208988

CATALOG NUMBER: LDSQA6A65827D010TE LARH40FL 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	112	110	109		112	110	108	107		106	105	104			103	101	100			99
2	110	107	103	101		108	105	102	100		102	99	97			99	97	95			96
3	107	101	98	94		105	100	97	94		98	95	92			95	93	91			93
4	103	97	93	89		101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85		98	92	88	84		90	87	84			89	85	83			87
6	96	89	84	81		94	88	84	81		87	83	80			85	82	80			84
7	92	85	81	77		91	85	80	77		84	80	77			82	79	76			81
8	89	82	77	74		88	82	77	74		81	77	74			80	76	74			79
9	86	79	74	71		85	79	74	71		78	74	71			77	73	71			76
10	84	76	72	69		83	76	71	69		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	653835
5°	569222
10°	514316
15°	469944
20°	344123
25°	169808
30°	37705
35°	7637
40°	1276
45°	378
50°	67
55°	75
60°	86
65°	102
70°	126
75°	0
80°	0
85°	0



TEST NUMBER: P208988

CATALOG NUMBER: LDSQA6A65827D010TE LARH40FL 6LSQA1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1220.9	20.8
10°-20°	2832.8	48.3
20°-30°	1661.7	28.3
30°-40°	143.8	2.5
40°-50°	6.3	0.1
50°-60°	0.9	0.0
60°-70°	1.0	0.0
70°-80°	0.1	0.0
80°-90°	0.0	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°	5715.3	97.4
0°-40°	5859.1	99.9
0°-60°	5866.3	100.0
0°-90°	5867.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5867.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15186	
5°	13170	###
15°	10543	2833
25°	3574	1662
35°	145	144
45°	6	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P208988

CATALOG NUMBER: LDSQA6A65827D010TE LARH40FL 6LSQA1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	15185.8
2.5°	14269.8
5°	13170.3
7.5°	12438.8
10°	11763.9
12.5°	11202.3
15°	10542.9
17.5°	9403.3
20°	7510.5
22.5°	5431.1
25°	3574.4
27.5°	2014.4
30°	758.4
32.5°	391.5
35°	145.3
37.5°	44.3
40°	22.7
42.5°	12.4
45°	6.2
47.5°	3.1
50°	1.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)