

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: P1212565

Luminaire Tested: **LDSQA6A40940D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1212565
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: LDSQA6A40940D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

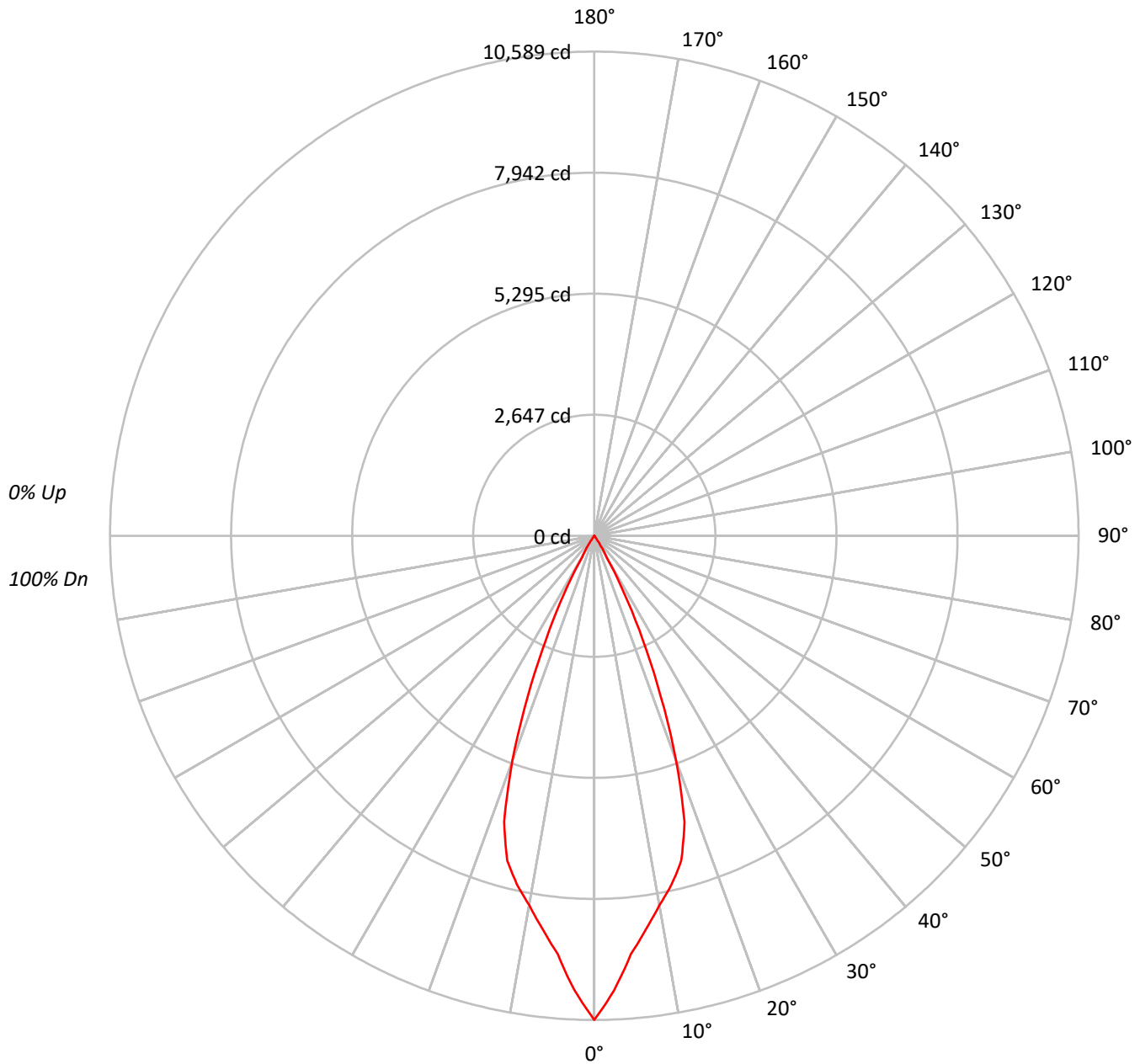
Lumens per Lamp: N/A
Luminaire Lumens: 4091.4 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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: P1212565

CATALOG NUMBER: LDSQA6A40940D010TE LARH40FL 6LSQA1H

Luminous Intensity Polar Plot





TEST NUMBER: P1212565

CATALOG NUMBER: LDSQA6A40940D010TE 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	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	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96		
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92		
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88		
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85		
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	85	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75		
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	86	79	74	71	85	79	74	71	78	74	71	77	73	71	76	73	71	70		
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	455925
5°	396925
10°	358638
15°	327694
20°	239958
25°	118410
30°	26290
35°	5324
40°	888
45°	262
50°	47
55°	53
60°	60
65°	71
70°	88
75°	0
80°	0
85°	0



TEST NUMBER: P1212565

CATALOG NUMBER: LDSQA6A40940D010TE LARH40FL 6LSQA1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.3	20.8
10°-20°	1975.3	48.3
20°-30°	1158.7	28.3
30°-40°	100.2	2.4
40°-50°	4.4	0.1
50°-60°	0.6	0.0
60°-70°	0.7	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°	3985.4	97.4
0°-40°	4085.6	99.9
0°-60°	4090.6	100.0
0°-90°	4091.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4091.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10589	
5°	9184	851
15°	7352	1975
25°	2492	1159
35°	101	100
45°	4	4
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1212565

CATALOG NUMBER: LDSQA6A40940D010TE LARH40FL 6LSQA1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	10589.2
2.5°	9950.5
5°	9183.8
7.5°	8673.7
10°	8203.1
12.5°	7811.5
15°	7351.6
17.5°	6557.0
20°	5237.1
22.5°	3787.2
25°	2492.5
27.5°	1404.7
30°	528.8
32.5°	273.0
35°	101.3
37.5°	30.9
40°	15.8
42.5°	8.6
45°	4.3
47.5°	2.1
50°	0.7
52.5°	0.7
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
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

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)