

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: P1212547

Luminaire Tested: **LDSQA6A40927D010TE 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: P1212547
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: LDSQA6A40927D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

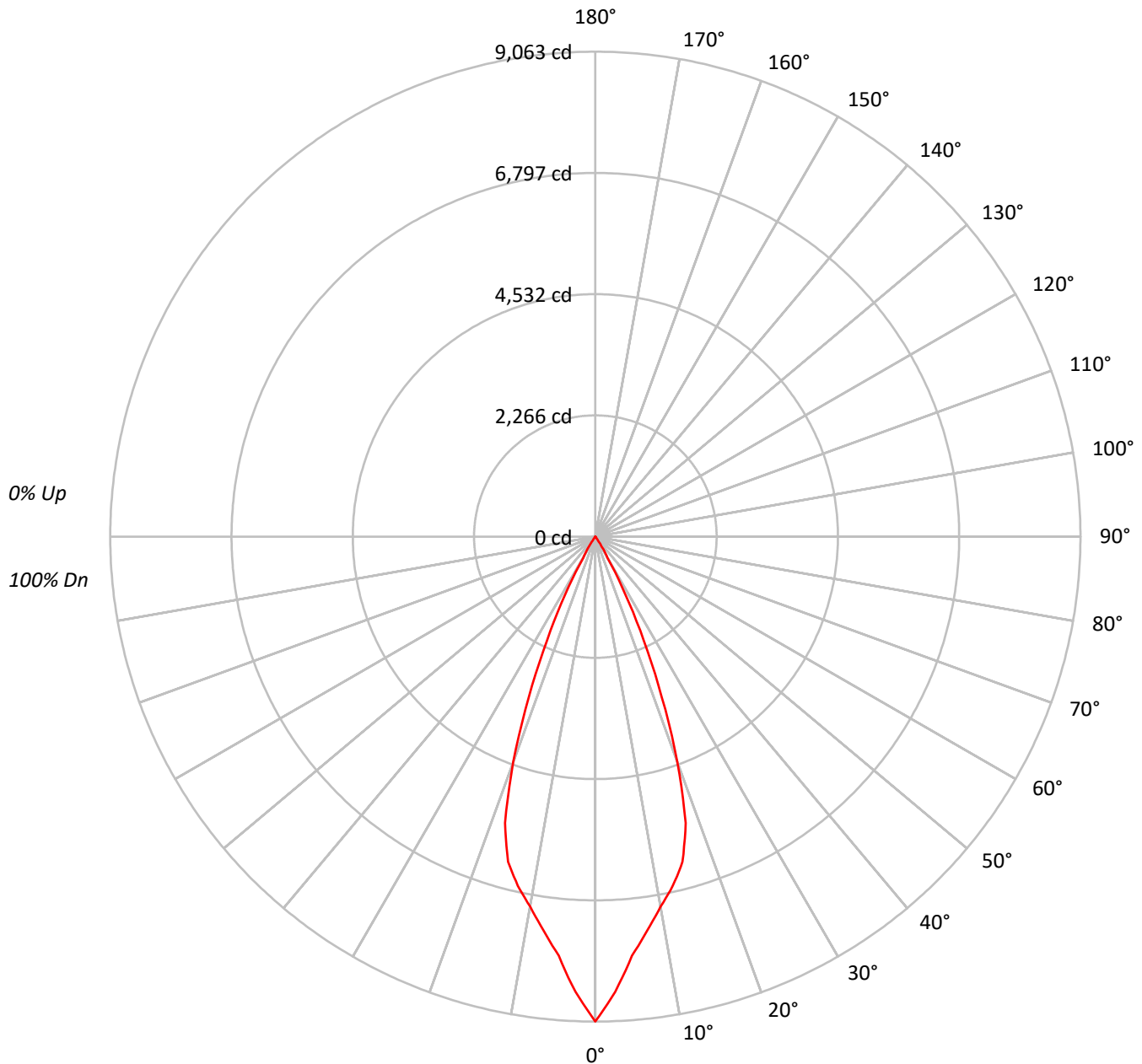
Lumens per Lamp: N/A
Luminaire Lumens: 3501.6 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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: P1212547

CATALOG NUMBER: LDSQA6A40927D010TE LARH40FL 6LSQA1H

Luminous Intensity Polar Plot





TEST NUMBER: P1212547

CATALOG NUMBER: LDSQA6A40927D010TE 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°	390209
5°	339715
10°	306944
15°	280463
20°	205369
25°	101341
30°	22502
35°	4557
40°	759
45°	225
50°	40
55°	45
60°	52
65°	61
70°	76
75°	0
80°	0
85°	0



TEST NUMBER: P1212547

CATALOG NUMBER: LDSQA6A40927D010TE LARH40FL 6LSQA1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.6	20.8
10°-20°	1690.6	48.3
20°-30°	991.7	28.3
30°-40°	85.8	2.5
40°-50°	3.7	0.1
50°-60°	0.5	0.0
60°-70°	0.6	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°	3410.9	97.4
0°-40°	3496.7	99.9
0°-60°	3501.0	100.0
0°-90°	3501.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3501.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9063	
5°	7860	729
15°	6292	1691
25°	2133	992
35°	87	86
45°	4	4
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1212547

CATALOG NUMBER: LDSQA6A40927D010TE LARH40FL 6LSQA1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	9062.9
2.5°	8516.3
5°	7860.1
7.5°	7423.5
10°	7020.7
12.5°	6685.6
15°	6292.0
17.5°	5611.9
20°	4482.2
22.5°	3241.3
25°	2133.2
27.5°	1202.2
30°	452.6
32.5°	233.7
35°	86.7
37.5°	26.5
40°	13.5
42.5°	7.3
45°	3.7
47.5°	1.8
50°	0.6
52.5°	0.6
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
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)