

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: P1212655

Luminaire Tested: **LDSQA6A60935D010TE 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: P1212655
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: LDSQA6A60935D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

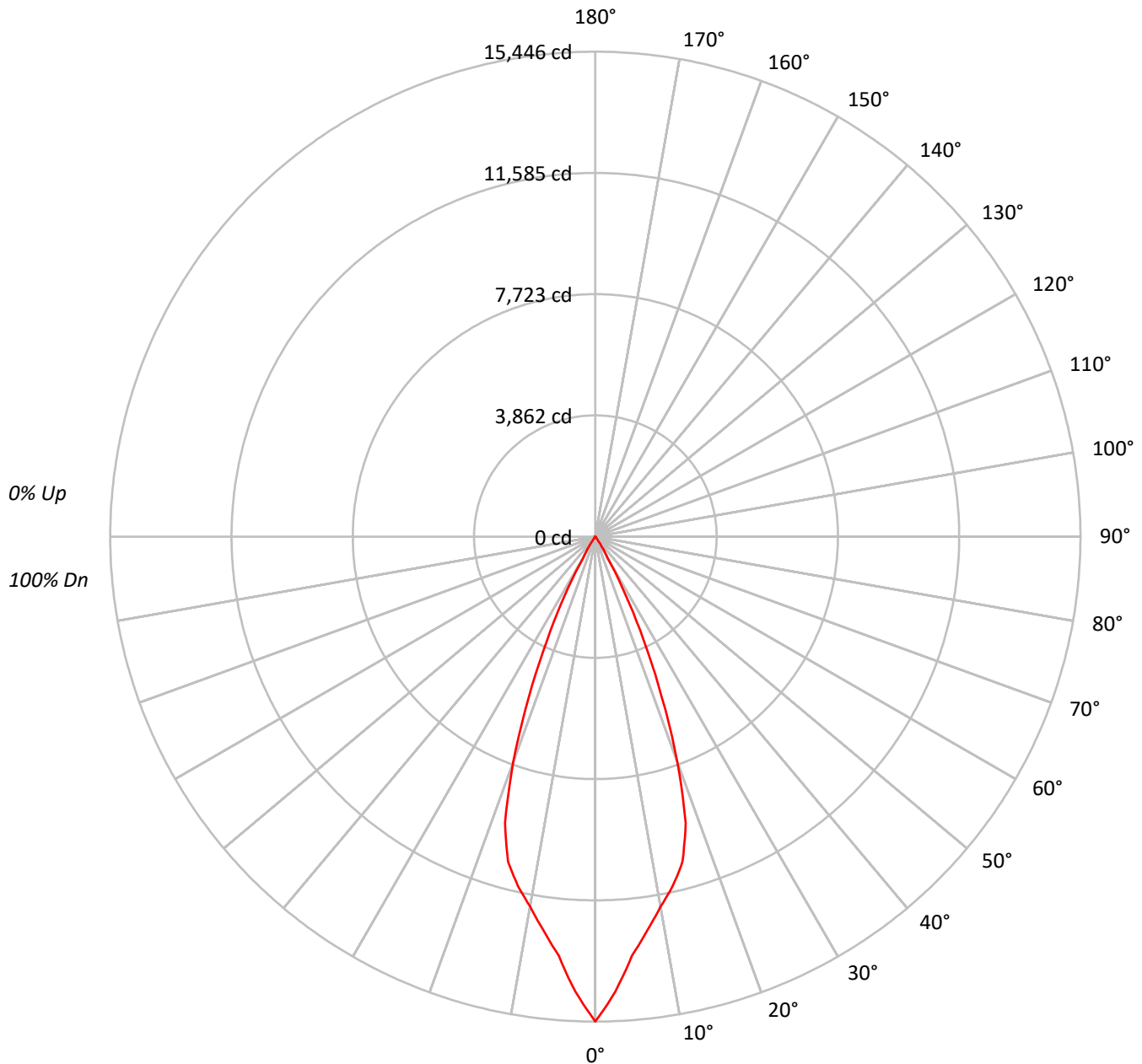
Lumens per Lamp: N/A
Luminaire Lumens: 5968.2 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 71.8
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

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Luminous Intensity Polar Plot





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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°	665046
5°	578985
10°	523139
15°	478004
20°	350020
25°	172720
30°	38351
35°	7769
40°	1298
45°	384
50°	74
55°	83
60°	95
65°	112
70°	138
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1241.8	20.8
10°-20°	2881.4	48.3
20°-30°	1690.2	28.3
30°-40°	146.2	2.4
40°-50°	6.4	0.1
50°-60°	1.0	0.0
60°-70°	1.1	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°	5813.3	97.4
0°-40°	5959.5	99.9
0°-60°	5966.9	100.0
0°-90°	5968.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5968.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15446	
5°	13396	###
15°	10724	2881
25°	3636	1690
35°	148	146
45°	6	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15446.2
2.5°	14514.5
5°	13396.2
7.5°	12652.1
10°	11965.7
12.5°	11394.4
15°	10723.7
17.5°	9564.6
20°	7639.2
22.5°	5524.3
25°	3635.7
27.5°	2048.9
30°	771.4
32.5°	398.2
35°	147.8
37.5°	45.0
40°	23.1
42.5°	12.5
45°	6.3
47.5°	3.2
50°	1.1
52.5°	1.1
55°	1.1
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
67.5°	1.1
70°	1.1
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

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)