

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: P1219624

Luminaire Tested: **LDSQA6A40950D010TE 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: P1219624
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: LDSQA6A40950D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

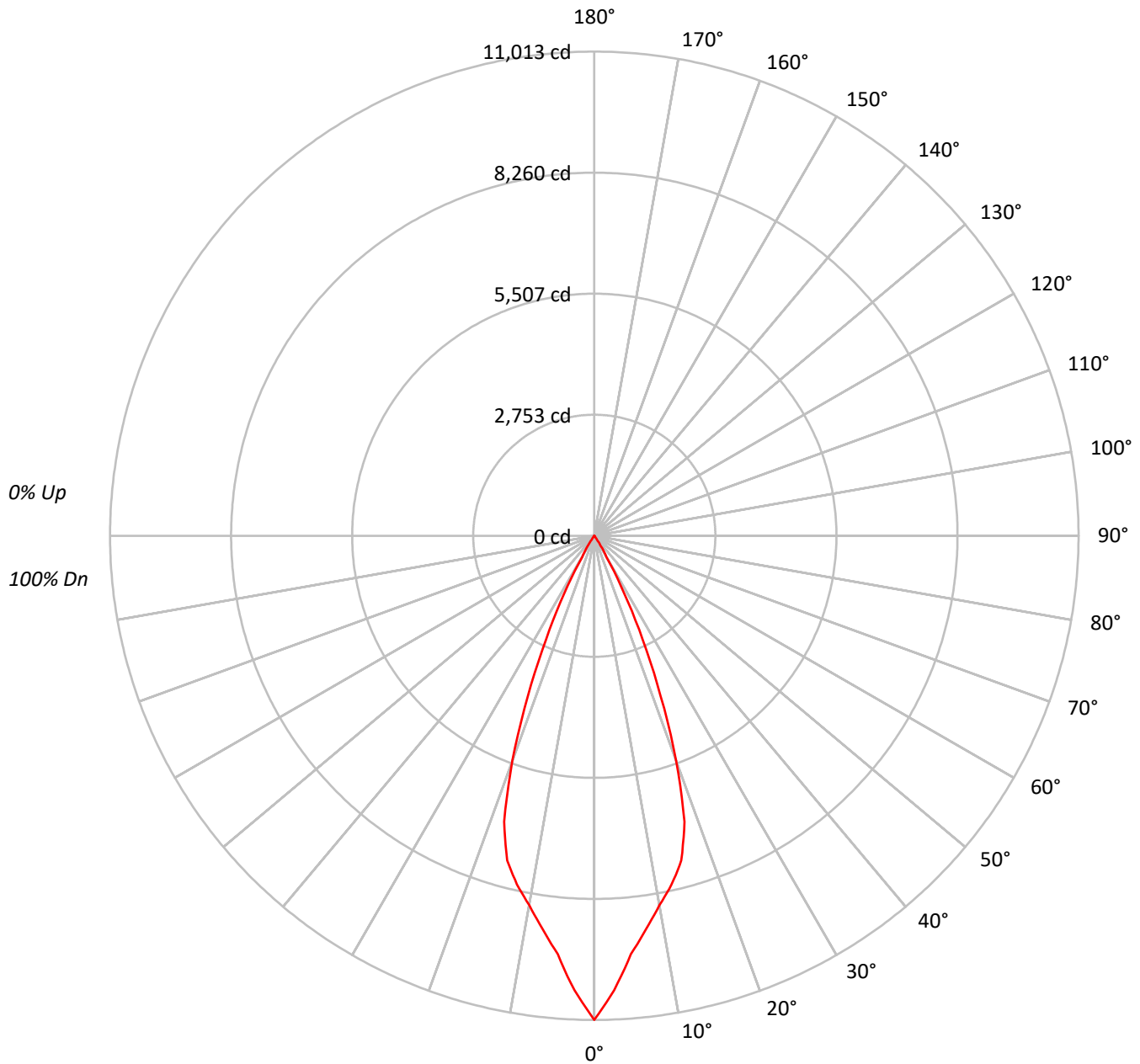
Lumens per Lamp: N/A
Luminaire Lumens: 4255.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
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°	474163
5°	412804
10°	372983
15°	340803
20°	249557
25°	123147
30°	27344
35°	5540
40°	922
45°	274
50°	47
55°	53
60°	60
65°	71
70°	88
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.4	20.8
10°-20°	2054.4	48.3
20°-30°	1205.1	28.3
30°-40°	104.2	2.4
40°-50°	4.5	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°	4144.8	97.4
0°-40°	4249.0	99.9
0°-60°	4254.2	100.0
0°-90°	4255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4255.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11013	
5°	9551	885
15°	7646	2054
25°	2592	1205
35°	105	104
45°	4	5
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11012.8
2.5°	10348.5
5°	9551.2
7.5°	9020.6
10°	8531.2
12.5°	8124.0
15°	7645.7
17.5°	6819.3
20°	5446.6
22.5°	3938.7
25°	2592.2
27.5°	1460.9
30°	550.0
32.5°	283.9
35°	105.4
37.5°	32.1
40°	16.4
42.5°	8.9
45°	4.5
47.5°	2.2
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

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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