

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: P1212659

Luminaire Tested: **LDSQA6A60940D010TE LARH30NF 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: P1212659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A60940D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

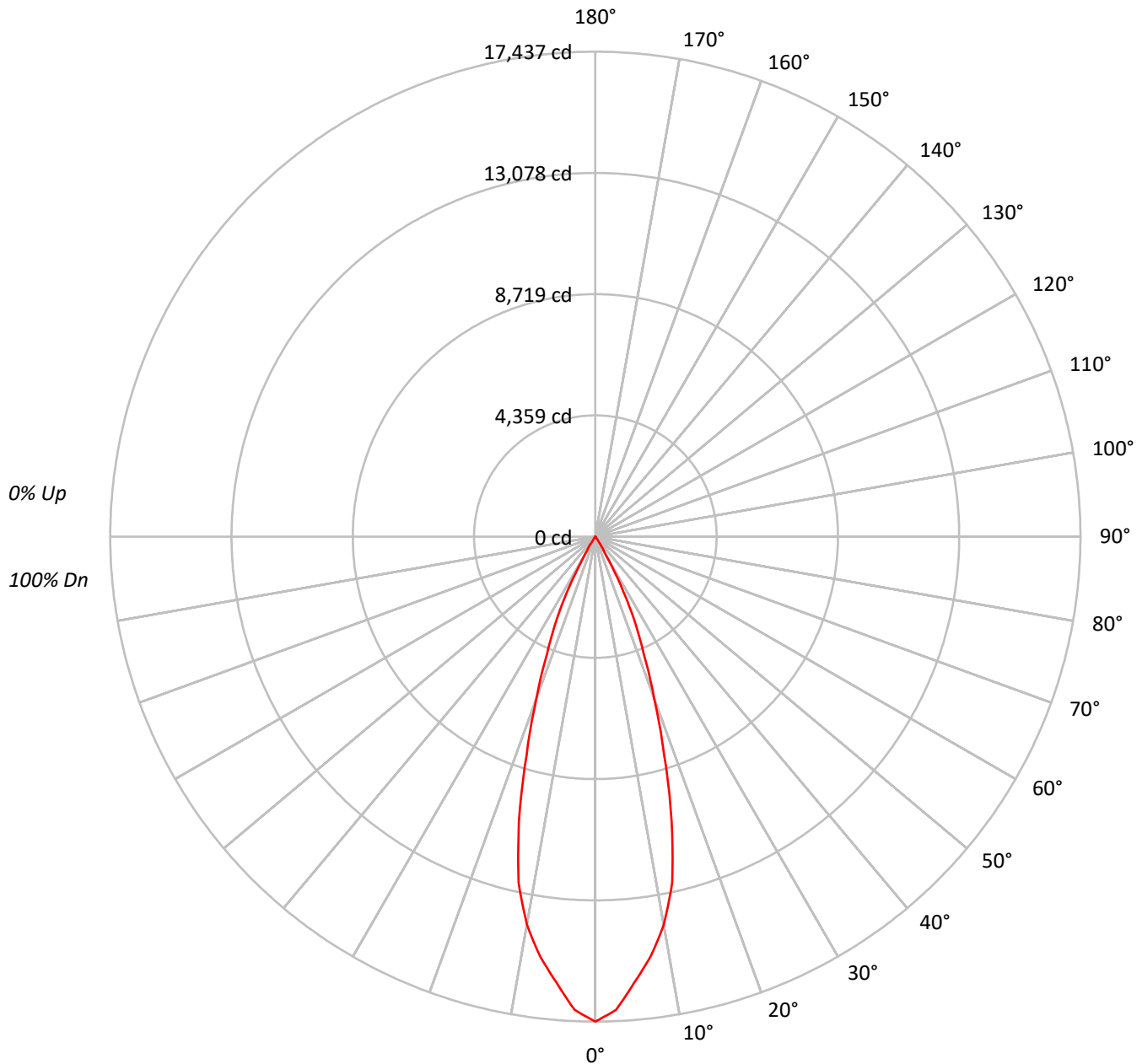
Lumens per Lamp: N/A
Luminaire Lumens: 5911.6 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92		
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89		
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86		
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83		
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80		
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	750749
5°	695377
10°	619484
15°	472713
20°	283403
25°	156188
30°	38640
35°	2985
40°	843
45°	329
50°	141
55°	158
60°	181
65°	112
70°	138
75°	183
80°	273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1480.2	25.0
10°-20°	2837.7	48.0
20°-30°	1465.5	24.8
30°-40°	118.7	2.0
40°-50°	4.9	0.1
50°-60°	1.9	0.0
60°-70°	1.5	0.0
70°-80°	1.2	0.0
80°-90°	0.1	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°	5783.4	97.8
0°-40°	5902.1	99.8
0°-60°	5908.8	100.0
0°-90°	5911.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5911.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17437	
5°	16089	###
15°	10605	2838
25°	3288	1465
35°	57	119
45°	5	5
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17436.7
2.5°	17039.0
5°	16089.2
7.5°	15224.2
10°	14169.4
12.5°	12751.1
15°	10605.0
17.5°	8222.0
20°	6185.3
22.5°	4534.5
25°	3287.7
27.5°	1980.0
30°	777.2
32.5°	330.1
35°	56.8
37.5°	27.9
40°	15.0
42.5°	8.6
45°	5.4
47.5°	3.2
50°	2.1
52.5°	2.1
55°	2.1
57.5°	2.1
60°	2.1
62.5°	2.1
65°	1.1
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)