

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: P1212551

Luminaire Tested: **LDSQA6A40930D010TE 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: P1212551
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: LDSQA6A40930D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

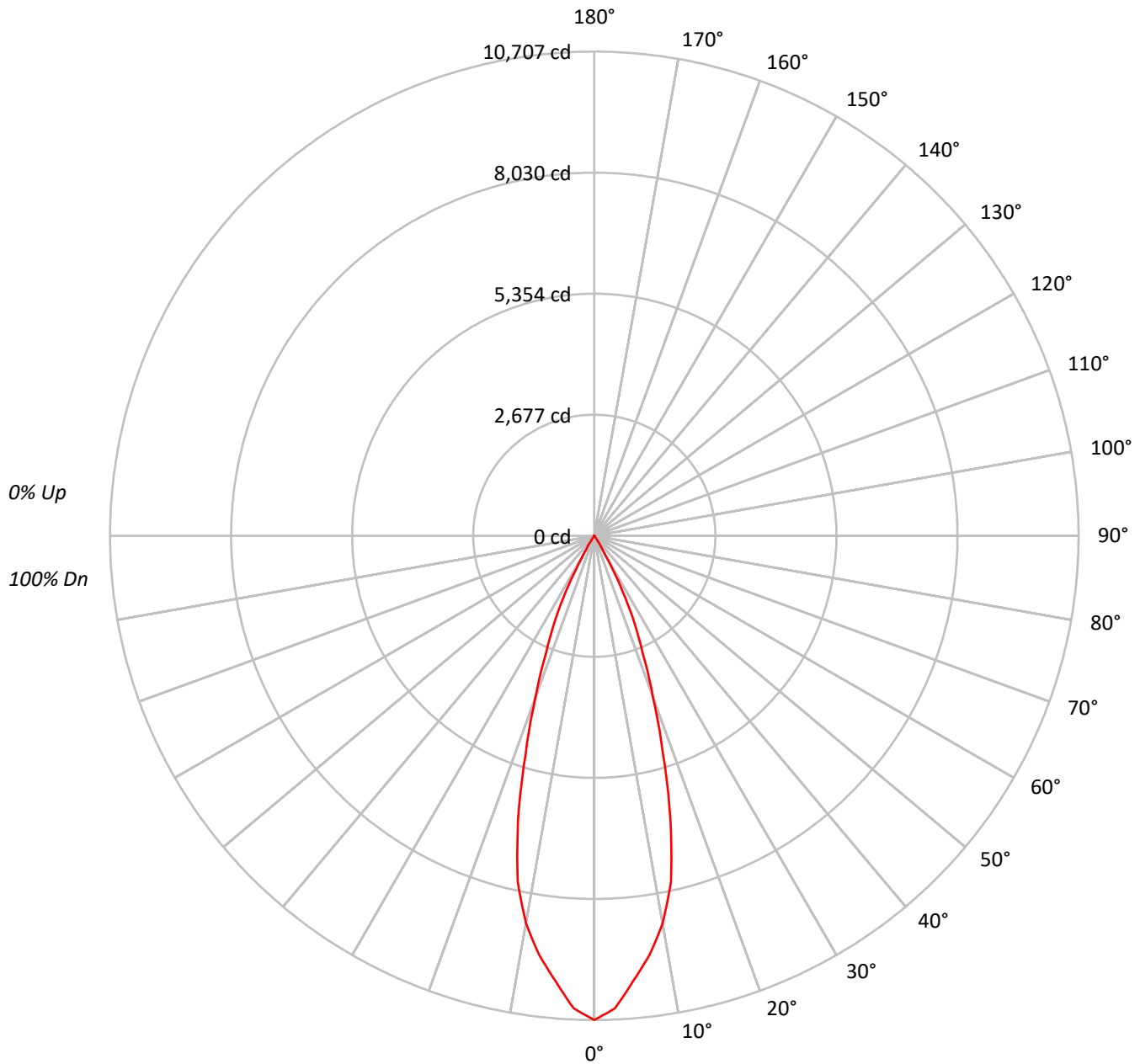
Lumens per Lamp: N/A
Luminaire Lumens: 3630.1 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	82						
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°	460993
5°	426989
10°	380385
15°	290265
20°	174020
25°	95906
30°	23725
35°	1834
40°	517
45°	201
50°	94
55°	105
60°	121
65°	71
70°	88
75°	116
80°	174
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	908.9	25.0
10°-20°	1742.4	48.0
20°-30°	899.8	24.8
30°-40°	72.9	2.0
40°-50°	3.0	0.1
50°-60°	1.3	0.0
60°-70°	0.9	0.0
70°-80°	0.7	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°	3551.2	97.8
0°-40°	3624.1	99.8
0°-60°	3628.3	100.0
0°-90°	3630.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3630.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10707	
5°	9879	909
15°	6512	1742
25°	2019	900
35°	35	73
45°	3	3
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10706.9
2.5°	10462.6
5°	9879.4
7.5°	9348.2
10°	8700.5
12.5°	7829.7
15°	6511.9
17.5°	5048.6
20°	3798.0
22.5°	2784.3
25°	2018.8
27.5°	1215.7
30°	477.2
32.5°	202.8
35°	34.9
37.5°	17.1
40°	9.2
42.5°	5.3
45°	3.3
47.5°	1.9
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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1121 Highway 74 South

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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(END OF REPORT)