

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: P1219656

Luminaire Tested: **LDSQA6A70950D010TE LARH20SP 6LSQA1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26676)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A70950D010TE LARH20SP 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° SPOT
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

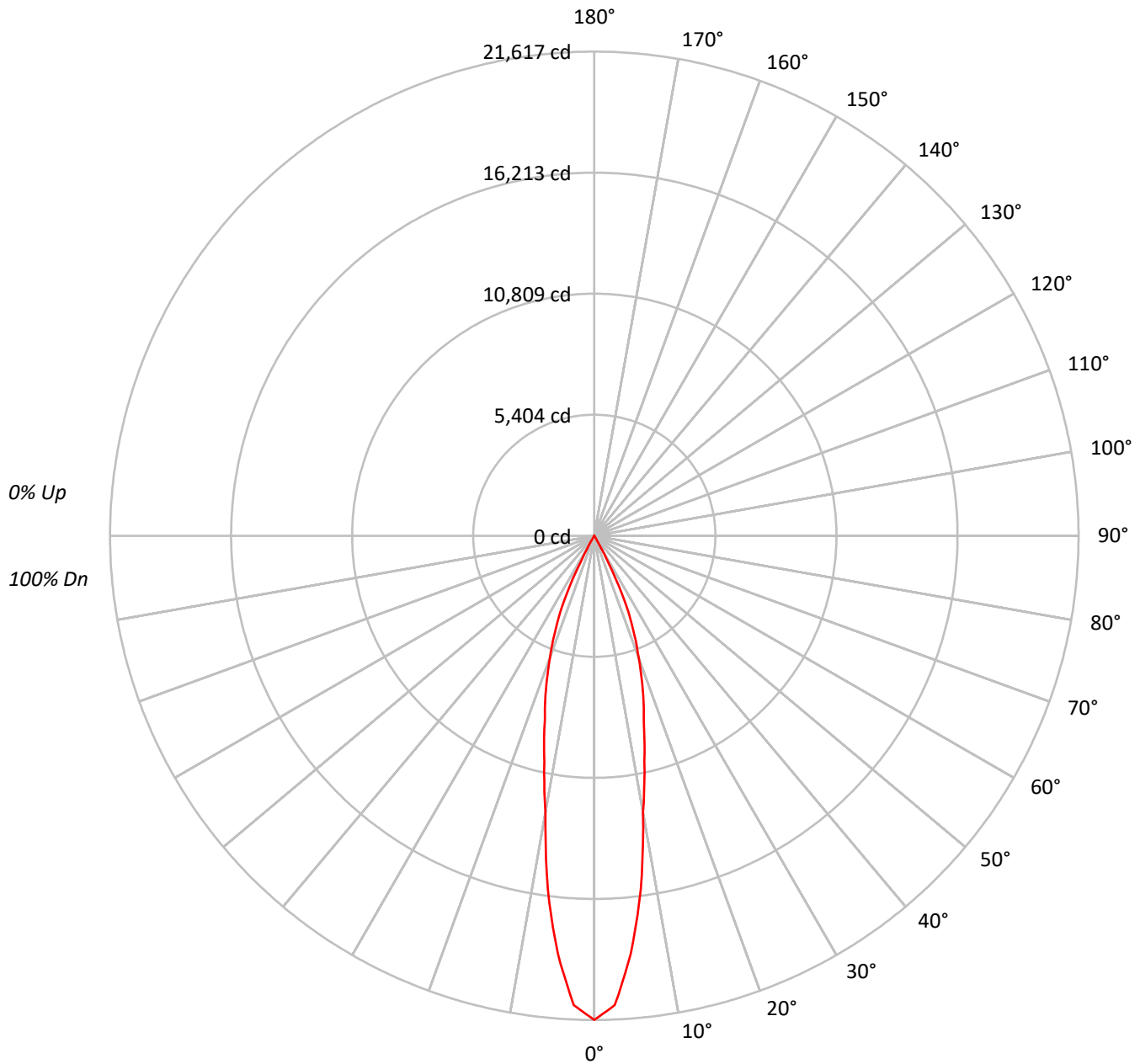
Lumens per Lamp: N/A
Luminaire Lumens: 5354.3 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.48
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	930721
5°	809150
10°	548260
15°	380056
20°	264856
25°	152401
30°	11947
35°	978
40°	495
45°	335
50°	295
55°	240
60°	276
65°	326
70°	277
75°	166
80°	248
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1593.3	29.8
10°-20°	2399.8	44.8
20°-30°	1322.0	24.7
30°-40°	27.3	0.5
40°-50°	4.4	0.1
50°-60°	3.3	0.1
60°-70°	2.8	0.1
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°	5315.1	99.3
0°-40°	5342.4	99.8
0°-60°	5350.1	99.9
0°-90°	5354.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5354.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21617	
5°	18722	###
15°	8526	2400
25°	3208	1322
35°	19	27
45°	6	4
55°	3	3
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21616.7
2.5°	20970.0
5°	18721.6
7.5°	15913.0
10°	12540.3
12.5°	10326.9
15°	8526.3
17.5°	7188.1
20°	5780.5
22.5°	4521.2
25°	3208.0
27.5°	1369.1
30°	240.3
32.5°	30.7
35°	18.6
37.5°	12.1
40°	8.8
42.5°	6.7
45°	5.5
47.5°	4.4
50°	4.4
52.5°	4.4
55°	3.2
57.5°	3.2
60°	3.2
62.5°	3.2
65°	3.2
67.5°	2.2
70°	2.2
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
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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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)