

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: P208950

Luminaire Tested: **LDSQA6A55835D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P208950  
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: LDSQA6A55835D010TE LARH30NF 6LSQA1H  
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,  
SELF-FLANGED, 30° NARROW FLOOD  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5122.1 lumens  
Efficiency: N/A  
Efficacy: 84.2 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

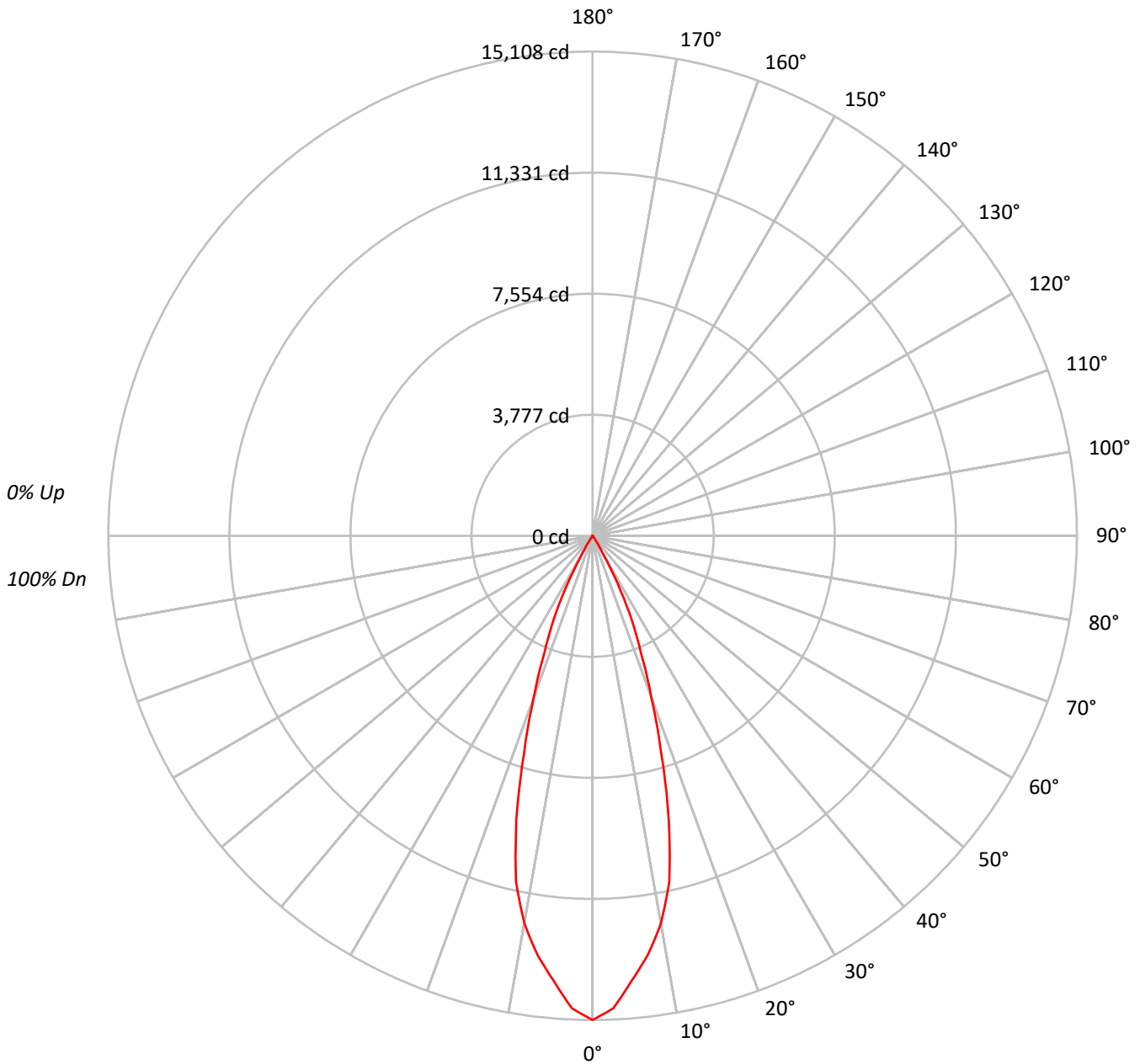
Input Watts (W): 60.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	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°	650489
5°	602514
10°	536753
15°	409582
20°	245557
25°	135332
30°	33479
35°	2586
40°	731
45°	280
50°	127
55°	143
60°	164
65°	92
70°	113
75°	150
80°	223
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1282.5	25.0
10°-20°	2458.7	48.0
20°-30°	1269.8	24.8
30°-40°	102.9	2.0
40°-50°	4.2	0.1
50°-60°	1.7	0.0
60°-70°	1.3	0.0
70°-80°	1.0	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°	5011.0	97.8
0°-40°	5113.9	99.8
0°-60°	5119.8	100.0
0°-90°	5122.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5122.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15108	
5°	13941	###
15°	9189	2459
25°	2849	1270
35°	49	103
45°	5	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15108.1
2.5°	14763.5
5°	13940.6
7.5°	13191.0
10°	12277.1
12.5°	11048.2
15°	9188.7
17.5°	7124.0
20°	5359.3
22.5°	3928.9
25°	2848.7
27.5°	1715.5
30°	673.4
32.5°	286.1
35°	49.2
37.5°	24.1
40°	13.0
42.5°	7.4
45°	4.6
47.5°	2.8
50°	1.9
52.5°	1.9
55°	1.9
57.5°	1.9
60°	1.9
62.5°	1.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)