

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: P208966

Luminaire Tested: **LDSQA6A75835D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P208966  
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: LDSQA6A75835D010TE 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: 6956.9 lumens  
Efficiency: N/A  
Efficacy: 87.6 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

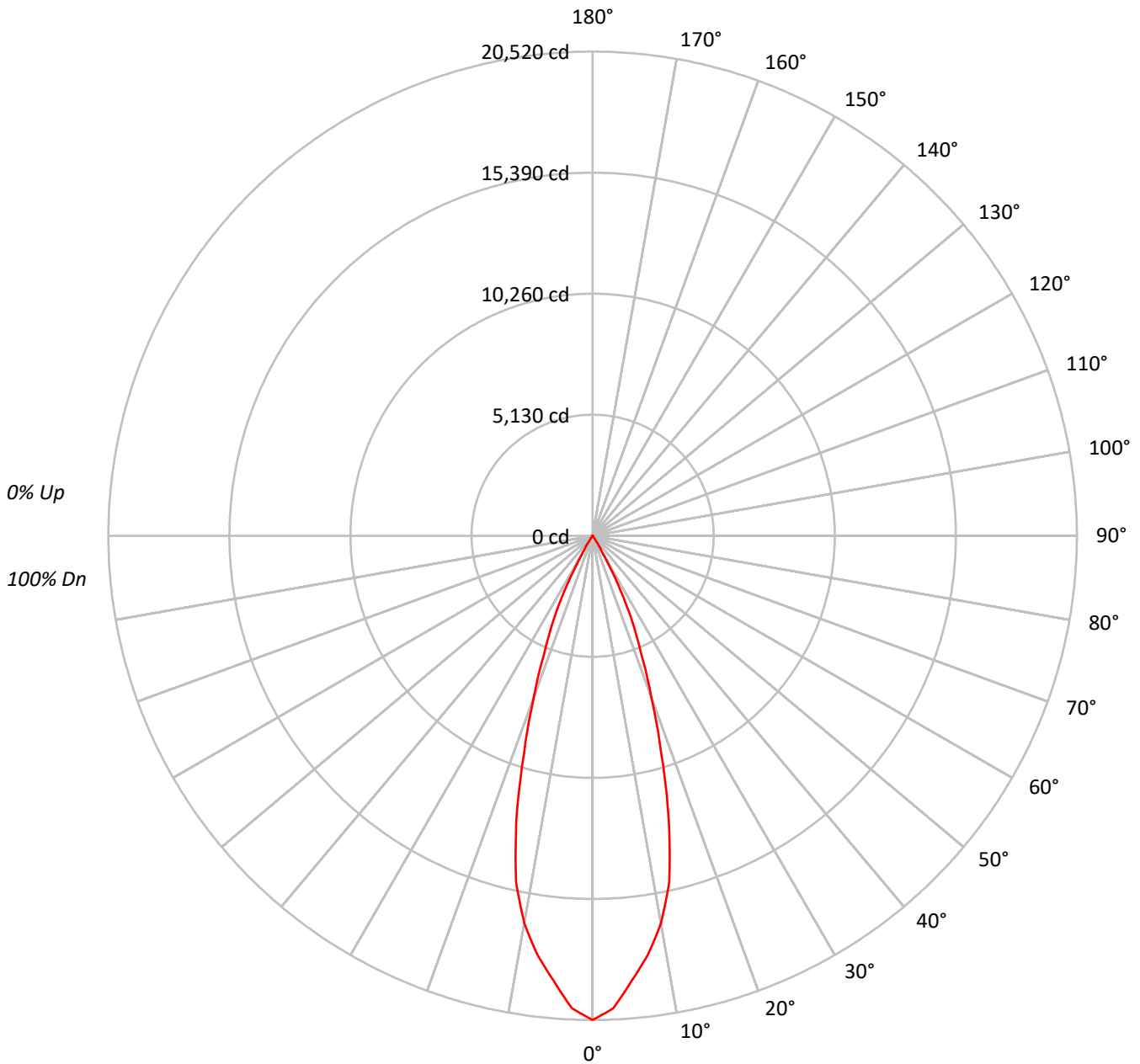
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	883498
5°	818334
10°	729020
15°	556299
20°	333516
25°	183808
30°	45471
35°	3516
40°	995
45°	384
50°	167
55°	188
60°	215
65°	132
70°	164
75°	216
80°	322
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1741.9	25.0
10°-20°	3339.4	48.0
20°-30°	1724.6	24.8
30°-40°	139.8	2.0
40°-50°	5.7	0.1
50°-60°	2.2	0.0
60°-70°	1.7	0.0
70°-80°	1.4	0.0
80°-90°	0.2	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°	6806.0	97.8
0°-40°	6945.7	99.8
0°-60°	6953.7	100.0
0°-90°	6956.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6956.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	20520	
5°	18934	###
15°	12480	3339
25°	3869	1725
35°	67	140
45°	6	6
55°	2	2
65°	1	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	20519.9
2.5°	20051.8
5°	18934.1
7.5°	17916.1
10°	16674.8
12.5°	15005.8
15°	12480.2
17.5°	9675.8
20°	7279.0
22.5°	5336.2
25°	3869.1
27.5°	2330.0
30°	914.6
32.5°	388.5
35°	66.9
37.5°	32.8
40°	17.7
42.5°	10.1
45°	6.3
47.5°	3.8
50°	2.5
52.5°	2.5
55°	2.5
57.5°	2.5
60°	2.5
62.5°	2.5
65°	1.3
67.5°	1.3
70°	1.3
72.5°	1.3
75°	1.3
77.5°	1.3
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)