

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: P208957

Luminaire Tested: **LDSQA6A65830D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208957
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: LDSQA6A65830D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5819.9 lumens
Efficiency: N/A
Efficacy: 74.0 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

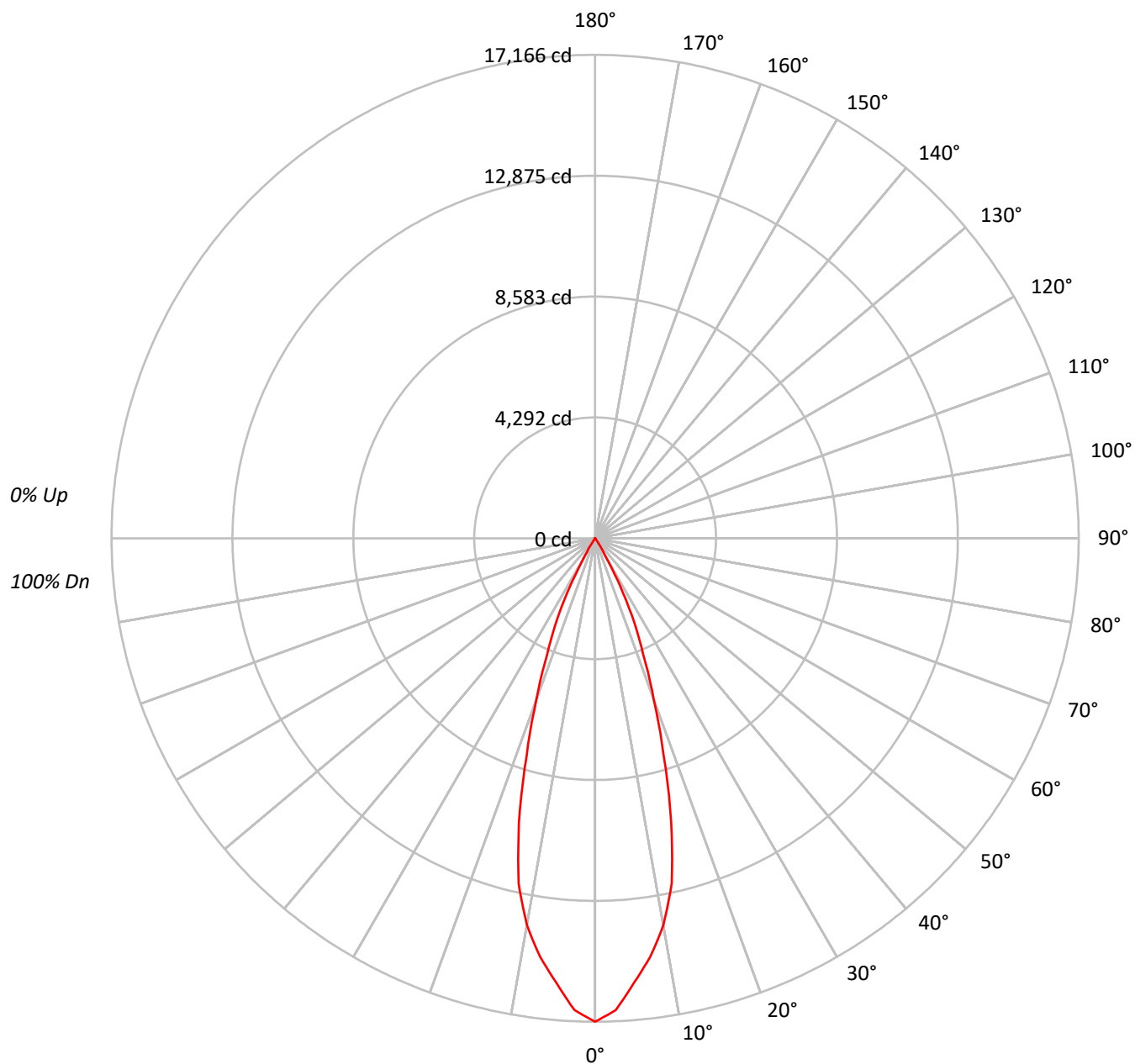
Input Watts (W): 78.67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	115	113	111	109	112	110	109	107		106	105	104			103	102	101			96
2	111	107	104	101	109	105	103	100		102	100	98			99	98	96			92
3	107	102	98	95	105	101	97	95		98	95	93			96	94	92			89
4	103	98	94	90	102	97	93	90		95	91	89			93	90	88			86
5	100	94	89	86	99	93	89	86		91	88	85			90	87	84			83
6	97	90	86	82	95	89	85	82		88	84	82			87	84	81			80
7	94	87	82	79	93	86	82	79		85	81	79			84	81	78			77
8	91	84	79	76	90	83	79	76		82	78	76			81	78	75			74
9	88	81	76	73	87	80	76	73		80	76	73			79	75	73			72
10	85	78	74	71	84	78	74	71		77	73	71			76	73	70			69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	739093
5°	684585
10°	609866
15°	465376
20°	279005
25°	153765
30°	38038
35°	2938
40°	832
45°	323
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°	1457.2	25.0
10°-20°	2793.6	48.0
20°-30°	1442.7	24.8
30°-40°	116.9	2.0
40°-50°	4.8	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°	5693.6	97.8
0°-40°	5810.5	99.8
0°-60°	5817.1	100.0
0°-90°	5819.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5819.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17166	
5°	15840	###
15°	10440	2794
25°	3237	1443
35°	56	117
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°	17166.0
2.5°	16774.5
5°	15839.5
7.5°	14987.8
10°	13949.4
12.5°	12553.2
15°	10440.4
17.5°	8094.4
20°	6089.3
22.5°	4464.1
25°	3236.7
27.5°	1949.2
30°	765.1
32.5°	325.0
35°	55.9
37.5°	27.4
40°	14.8
42.5°	8.4
45°	5.3
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



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— 0°-180°







(END OF REPORT)