

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: P208941

Luminaire Tested: **LDSQA6A45830D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208941
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: LDSQA6A45830D010TE 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: 4521.6 lumens
Efficiency: N/A
Efficacy: 83.1 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

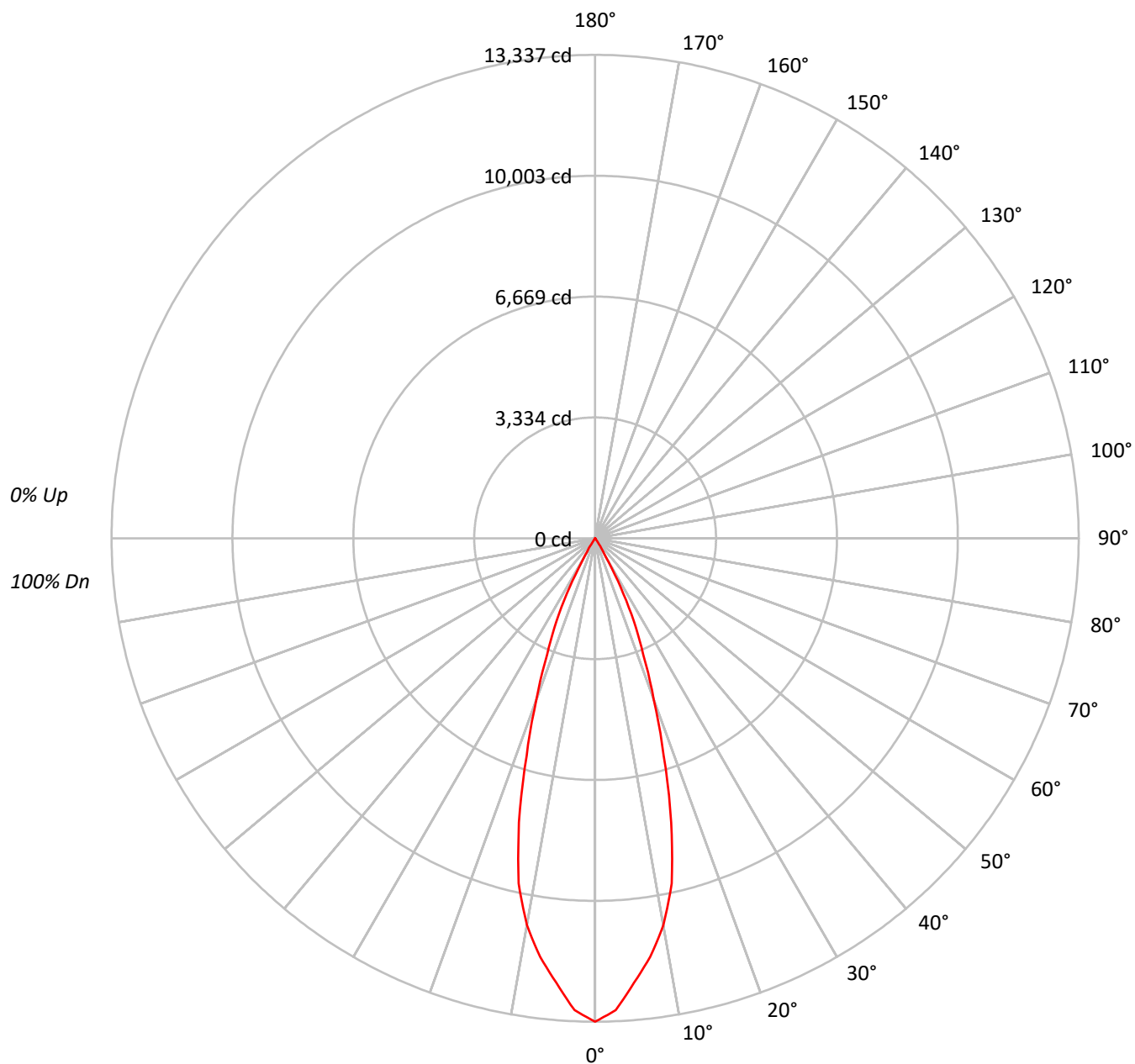
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94
4	103	98	94	90	102	97	93	90	95	91	89		93	90	88		91
5	100	94	89	86	99	93	89	86	91	88	85		90	87	84		88
6	97	90	86	82	95	89	85	82	88	84	82		87	84	81		86
7	94	87	82	79	93	86	82	79	85	81	79		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	84	78	74	71	77	73	71		76	73	70		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	574233
5°	531884
10°	473832
15°	361571
20°	216769
25°	119465
30°	29556
35°	2286
40°	646
45°	250
50°	107
55°	120
60°	138
65°	82
70°	101
75°	133
80°	198
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1132.2	25.0
10°-20°	2170.5	48.0
20°-30°	1120.9	24.8
30°-40°	90.8	2.0
40°-50°	3.7	0.1
50°-60°	1.4	0.0
60°-70°	1.1	0.0
70°-80°	0.8	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°	4423.6	97.8
0°-40°	4514.4	99.8
0°-60°	4519.6	100.0
0°-90°	4521.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4521.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13337	
5°	12306	###
15°	8112	2170
25°	2515	1121
35°	44	91
45°	4	4
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13337.0
2.5°	13032.8
5°	12306.4
7.5°	11644.7
10°	10837.9
12.5°	9753.1
15°	8111.6
17.5°	6288.9
20°	4731.0
22.5°	3468.3
25°	2514.7
27.5°	1514.4
30°	594.5
32.5°	252.5
35°	43.5
37.5°	21.3
40°	11.5
42.5°	6.6
45°	4.1
47.5°	2.5
50°	1.6
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.6
62.5°	1.6
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)