

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: P208976

Luminaire Tested: **LDSQA6A45927D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A45927D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3624.9 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

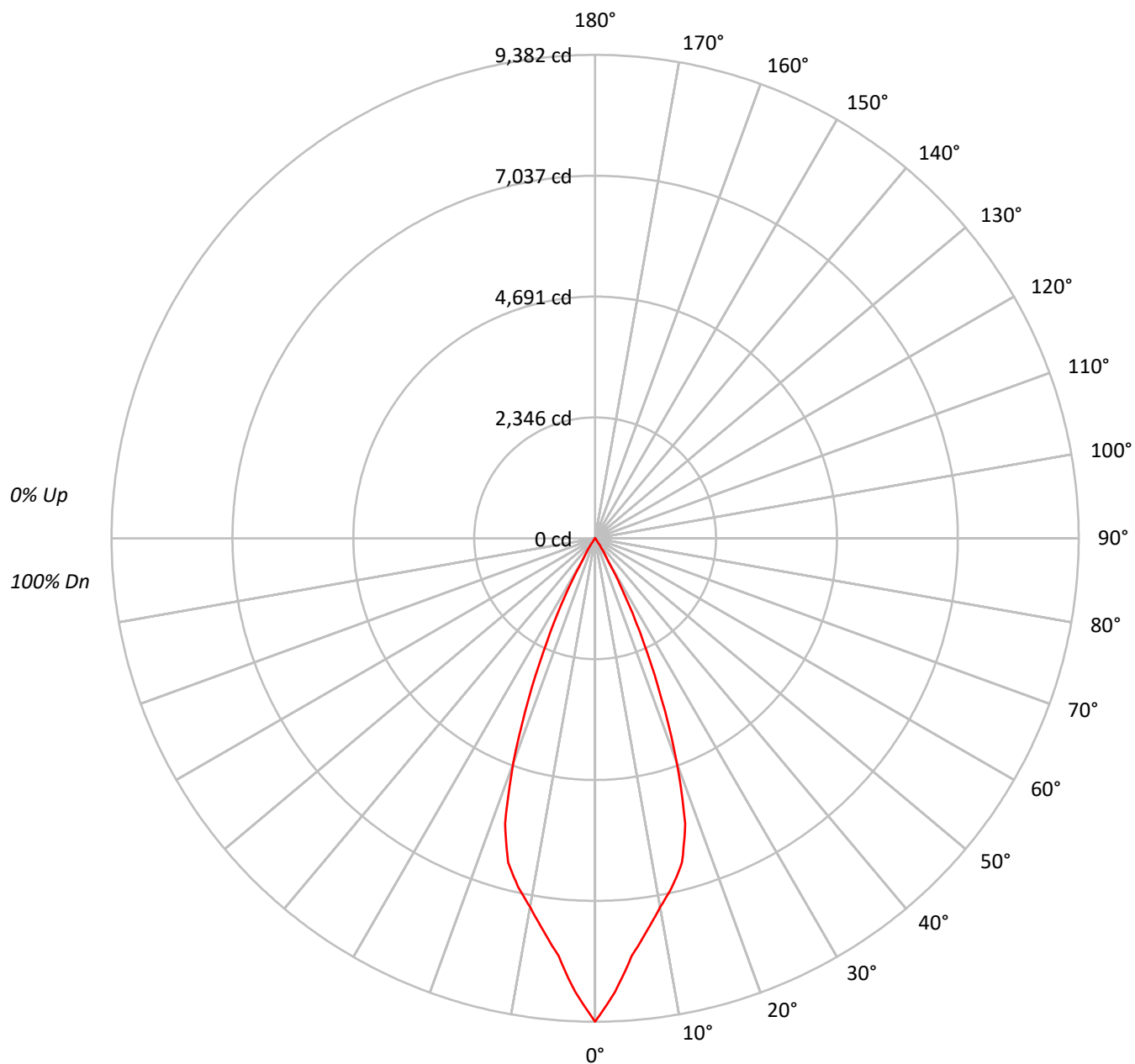
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	109	112	110	108	107	106	105	104		103	101	100		99
2	110	107	103	101	108	105	102	100	102	99	97		99	97	95		96
3	107	101	98	94	105	100	97	94	98	95	92		95	93	91		93
4	103	97	93	89	101	96	92	89	94	90	88		92	89	87		90
5	99	93	88	85	98	92	88	84	90	87	84		89	85	83		87
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84
7	92	85	81	77	91	85	80	77	84	80	77		82	79	76		81
8	89	82	77	74	88	82	77	74	81	77	74		80	76	74		79
9	86	79	74	71	85	79	74	71	78	74	71		77	73	71		76
10	84	76	72	69	83	76	71	69	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	403944
5°	351674
10°	317747
15°	290336
20°	212600
25°	104909
30°	23292
35°	4720
40°	787
45°	231
50°	40
55°	45
60°	52
65°	61
70°	76
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.3	20.8
10°-20°	1750.1	48.3
20°-30°	1026.6	28.3
30°-40°	88.8	2.5
40°-50°	3.9	0.1
50°-60°	0.5	0.0
60°-70°	0.6	0.0
70°-80°	0.1	0.0
80°-90°	0.0	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°	3531.0	97.4
0°-40°	3619.8	99.9
0°-60°	3624.2	100.0
0°-90°	3624.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3624.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9382	
5°	8137	754
15°	6514	1750
25°	2208	1027
35°	90	89
45°	4	4
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9381.9
2.5°	8816.0
5°	8136.8
7.5°	7684.8
10°	7267.8
12.5°	6920.9
15°	6513.5
17.5°	5809.4
20°	4640.0
22.5°	3355.4
25°	2208.3
27.5°	1244.5
30°	468.5
32.5°	241.9
35°	89.8
37.5°	27.4
40°	14.0
42.5°	7.6
45°	3.8
47.5°	1.9
50°	0.6
52.5°	0.6
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)