

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: P208977

Luminaire Tested: **LDSQA6A45930D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208977
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: LDSQA6A45930D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3879.7 lumens
Efficiency: N/A
Efficacy: 71.3 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

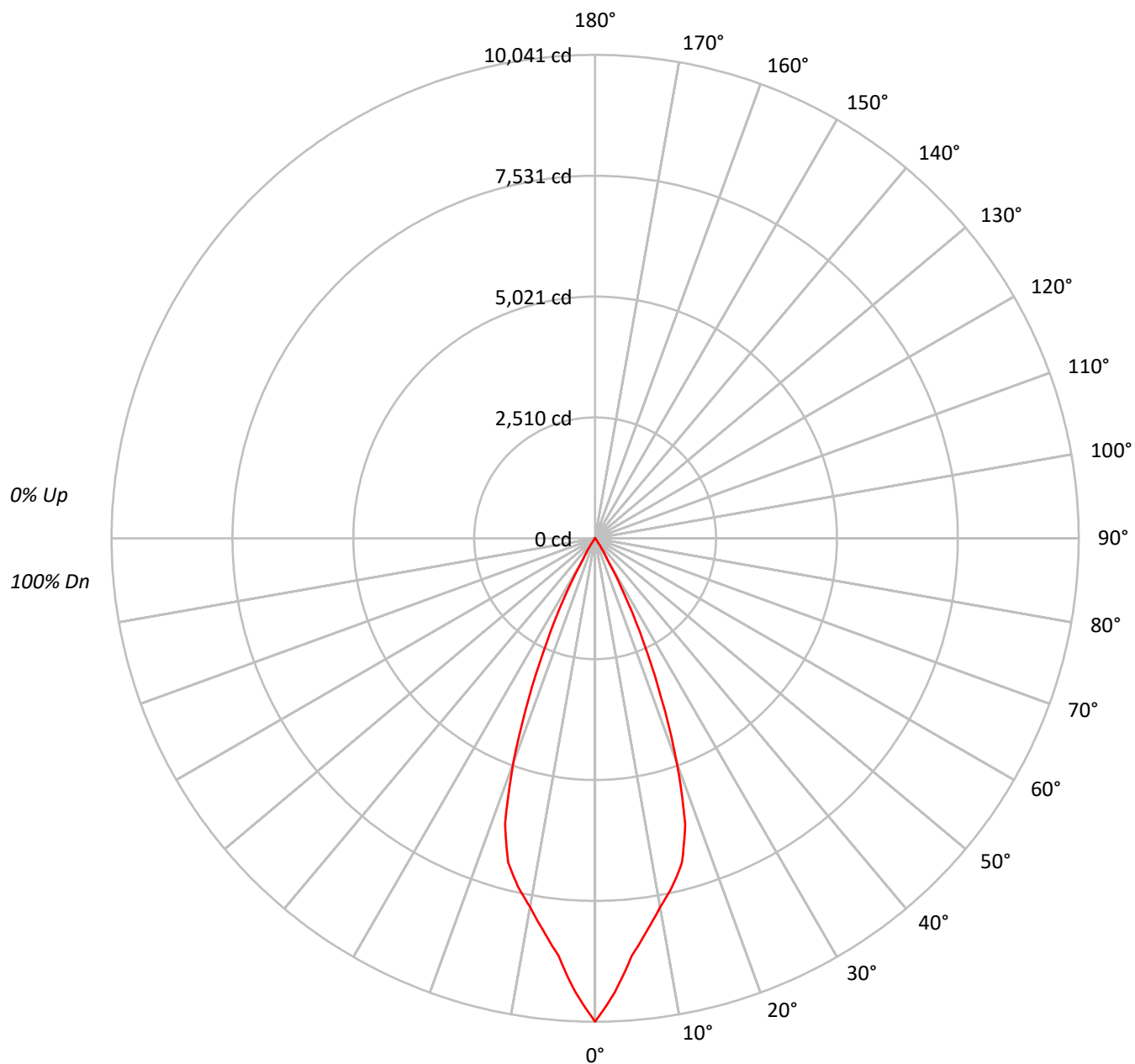
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	432330
5°	376382
10°	340075
15°	310738
20°	227541
25°	112282
30°	24928
35°	5051
40°	843
45°	250
50°	47
55°	53
60°	60
65°	71
70°	88
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.3	20.8
10°-20°	1873.1	48.3
20°-30°	1098.7	28.3
30°-40°	95.1	2.5
40°-50°	4.1	0.1
50°-60°	0.6	0.0
60°-70°	0.7	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°	3779.1	97.4
0°-40°	3874.2	99.9
0°-60°	3878.9	100.0
0°-90°	3879.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3879.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10041	
5°	8708	807
15°	6971	1873
25°	2364	1099
35°	96	95
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°	10041.2
2.5°	9435.5
5°	8708.5
7.5°	8224.8
10°	7778.5
12.5°	7407.2
15°	6971.2
17.5°	6217.7
20°	4966.1
22.5°	3591.2
25°	2363.5
27.5°	1332.0
30°	501.4
32.5°	258.9
35°	96.1
37.5°	29.3
40°	15.0
42.5°	8.2
45°	4.1
47.5°	2.0
50°	0.7
52.5°	0.7
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
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)