

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: P209001

Luminaire Tested: **LDSQA6A75930D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P209001
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: LDSQA6A75930D010TE 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: 5752.6 lumens
Efficiency: N/A
Efficacy: 72.4 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

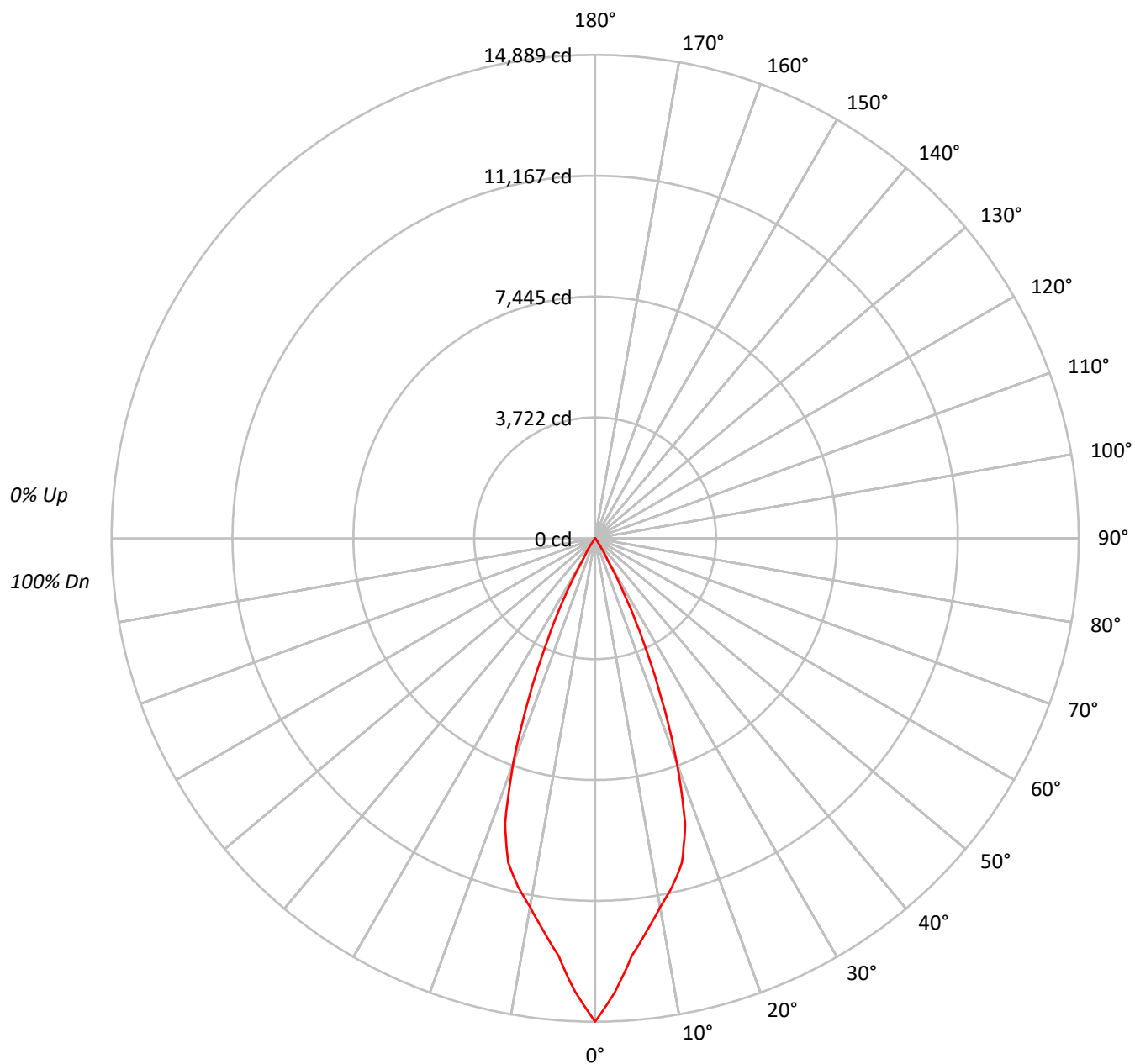
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	109		112	110	108	107		106	105	104		103	101	100		99	98	98
2	110	107	103	101		108	105	102	100		102	99	97		99	97	95		96	95	93
3	107	101	98	94		105	100	97	94		98	95	92		95	93	91		93	91	89
4	103	97	93	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	88	84		90	87	84		89	85	83		87	85	82
6	96	89	84	81		94	88	84	81		87	83	80		85	82	80		84	81	79
7	92	85	81	77		91	85	80	77		84	80	77		82	79	76		81	78	76
8	89	82	77	74		88	82	77	74		81	77	74		80	76	74		79	76	73
9	86	79	74	71		85	79	74	71		78	74	71		77	73	71		76	73	71
10	84	76	72	69		83	76	71	69		75	71	68		74	71	68		74	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	641047
5°	558089
10°	504256
15°	460753
20°	337392
25°	166487
30°	36964
35°	7485
40°	1248
45°	371
50°	67
55°	75
60°	86
65°	102
70°	126
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1197.0	20.8
10°-20°	2777.4	48.3
20°-30°	1629.2	28.3
30°-40°	140.9	2.4
40°-50°	6.1	0.1
50°-60°	0.9	0.0
60°-70°	1.0	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°	5603.5	97.4
0°-40°	5744.5	99.9
0°-60°	5751.5	100.0
0°-90°	5752.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5752.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14889	
5°	12913	###
15°	10337	2777
25°	3504	1629
35°	142	141
45°	6	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14888.8
2.5°	13990.7
5°	12912.7
7.5°	12195.5
10°	11533.8
12.5°	10983.2
15°	10336.7
17.5°	9219.4
20°	7363.6
22.5°	5324.9
25°	3504.5
27.5°	1975.0
30°	743.5
32.5°	383.9
35°	142.4
37.5°	43.4
40°	22.2
42.5°	12.1
45°	6.1
47.5°	3.0
50°	1.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
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)