

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: P208996

Luminaire Tested: **LDSQA6A75827D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208996
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: LDSQA6A75827D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6759.4 lumens
Efficiency: N/A
Efficacy: 85.1 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

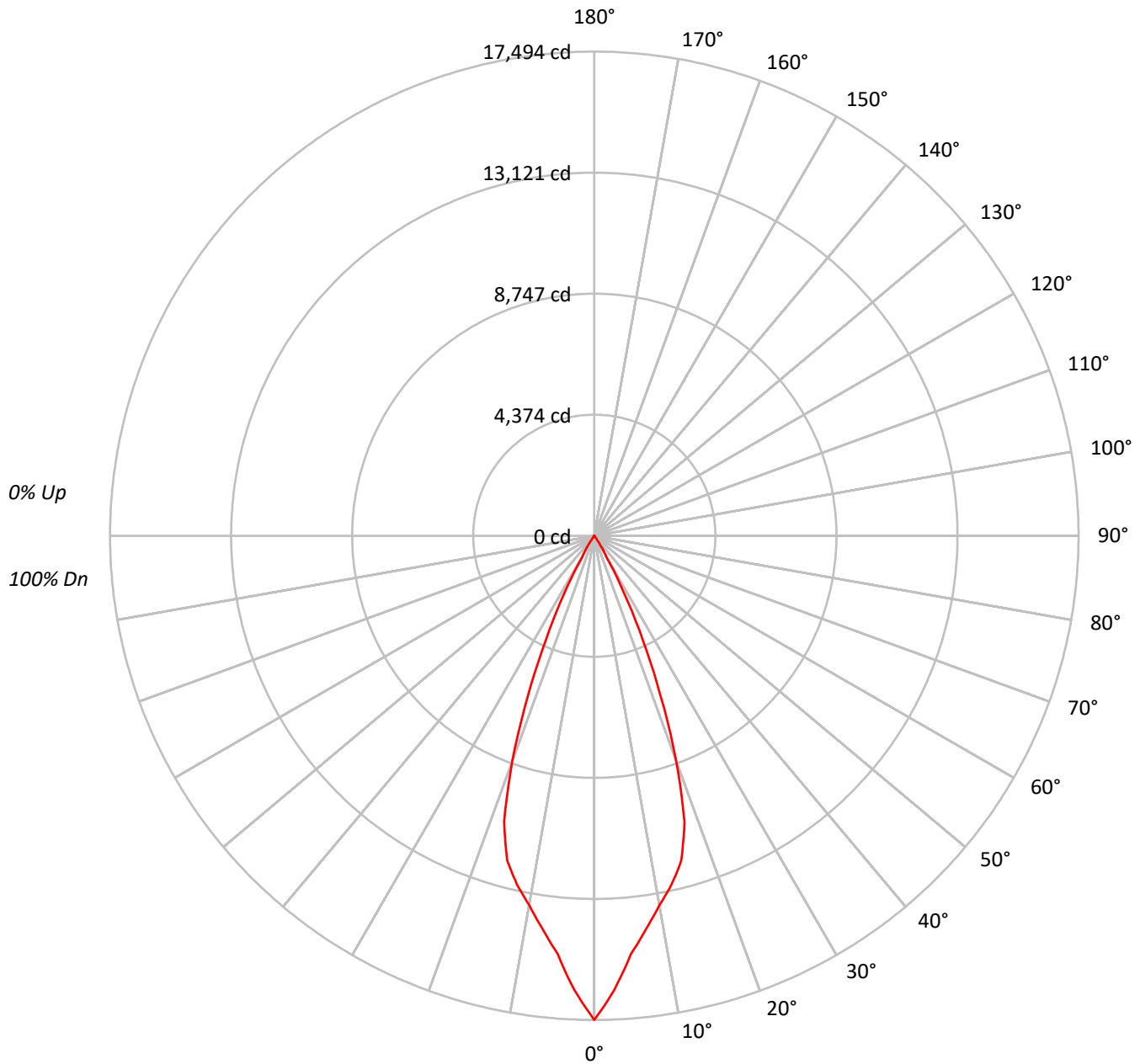
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	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	102	102	102	100			
1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96			
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92			
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88			
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85			
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	85	82	81			
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75			
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72			
9	86	79	74	71	85	79	74	71	78	74	71	77	73	71	76	73	71	70			
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	753233
5°	655762
10°	592505
15°	541384
20°	396434
25°	195623
30°	43437
35°	8799
40°	1467
45°	432
50°	80
55°	90
60°	103
65°	122
70°	151
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1406.5	20.8
10°-20°	3263.4	48.3
20°-30°	1914.3	28.3
30°-40°	165.6	2.5
40°-50°	7.2	0.1
50°-60°	1.1	0.0
60°-70°	1.2	0.0
70°-80°	0.2	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°	6584.2	97.4
0°-40°	6749.8	99.9
0°-60°	6758.1	100.0
0°-90°	6759.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6759.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17494	
5°	15173	###
15°	12146	3263
25°	4118	1914
35°	167	166
45°	7	7
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17494.4
2.5°	16439.1
5°	15172.6
7.5°	14329.8
10°	13552.3
12.5°	12905.3
15°	12145.6
17.5°	10832.8
20°	8652.2
22.5°	6256.8
25°	4117.8
27.5°	2320.6
30°	873.7
32.5°	451.1
35°	167.4
37.5°	51.0
40°	26.1
42.5°	14.2
45°	7.1
47.5°	3.6
50°	1.2
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
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)