

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: P208974

Luminaire Tested: **LDSQA6A45835D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208974
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: LDSQA6A45835D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4844.2 lumens
Efficiency: N/A
Efficacy: 89.0 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

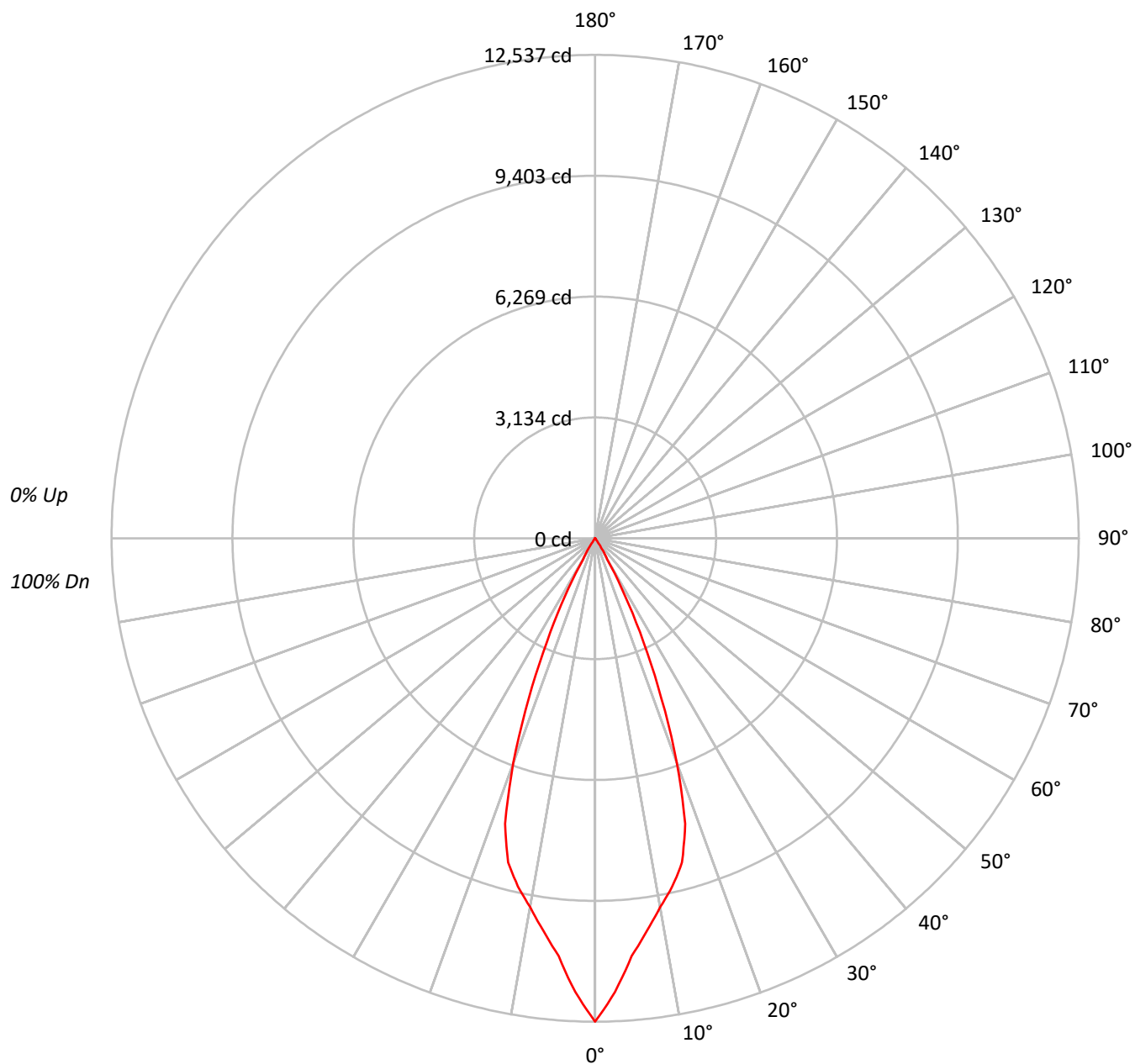
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	539802
5°	469950
10°	424616
15°	387981
20°	284105
25°	140192
30°	31127
35°	6302
40°	1051
45°	311
50°	60
55°	68
60°	78
65°	92
70°	113
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1007.9	20.8
10°-20°	2338.7	48.3
20°-30°	1371.9	28.3
30°-40°	118.7	2.5
40°-50°	5.2	0.1
50°-60°	0.8	0.0
60°-70°	0.9	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°	4718.5	97.4
0°-40°	4837.2	99.9
0°-60°	4843.2	100.0
0°-90°	4844.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4844.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12537	
5°	10873	###
15°	8704	2339
25°	2951	1372
35°	120	119
45°	5	5
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12537.3
2.5°	11781.0
5°	10873.4
7.5°	10269.4
10°	9712.2
12.5°	9248.6
15°	8704.1
17.5°	7763.3
20°	6200.6
22.5°	4483.9
25°	2951.0
27.5°	1663.1
30°	626.1
32.5°	323.3
35°	119.9
37.5°	36.6
40°	18.7
42.5°	10.2
45°	5.1
47.5°	2.6
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
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)