

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: P208992

Luminaire Tested: **LDSQA6A65927D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208992
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: LDSQA6A65927D010TE 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: 4665.6 lumens
Efficiency: N/A
Efficacy: 59.3 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

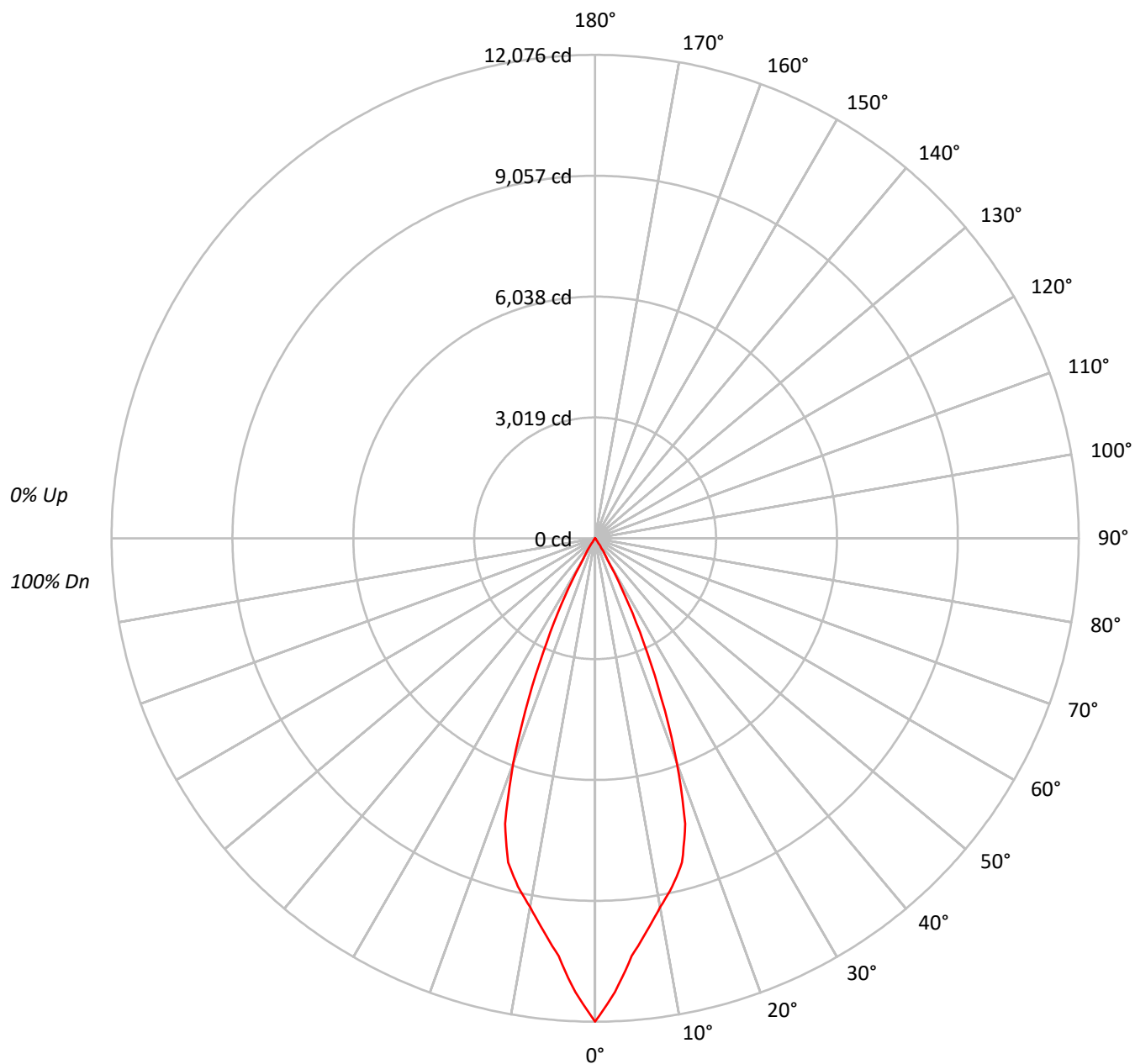
Input Watts (W): 78.67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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°	519919
5°	452636
10°	408973
15°	373690
20°	273639
25°	135028
30°	29979
35°	6071
40°	1012
45°	298
50°	54
55°	60
60°	69
65°	82
70°	101
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	970.8	20.8
10°-20°	2252.6	48.3
20°-30°	1321.3	28.3
30°-40°	114.3	2.4
40°-50°	5.0	0.1
50°-60°	0.7	0.0
60°-70°	0.8	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°	4544.7	97.4
0°-40°	4659.0	99.9
0°-60°	4664.7	100.0
0°-90°	4665.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4665.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12076	
5°	10473	971
15°	8384	2253
25°	2842	1321
35°	116	114
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°	12075.5
2.5°	11347.1
5°	10472.8
7.5°	9891.1
10°	9354.4
12.5°	8907.9
15°	8383.5
17.5°	7477.3
20°	5972.2
22.5°	4318.8
25°	2842.3
27.5°	1601.8
30°	603.0
32.5°	311.3
35°	115.5
37.5°	35.2
40°	18.0
42.5°	9.8
45°	4.9
47.5°	2.5
50°	0.8
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
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)