

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: P208972

Luminaire Tested: **LDSQA6A45827D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208972
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: LDSQA6A45827D010TE 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: 4558.6 lumens
Efficiency: N/A
Efficacy: 83.8 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

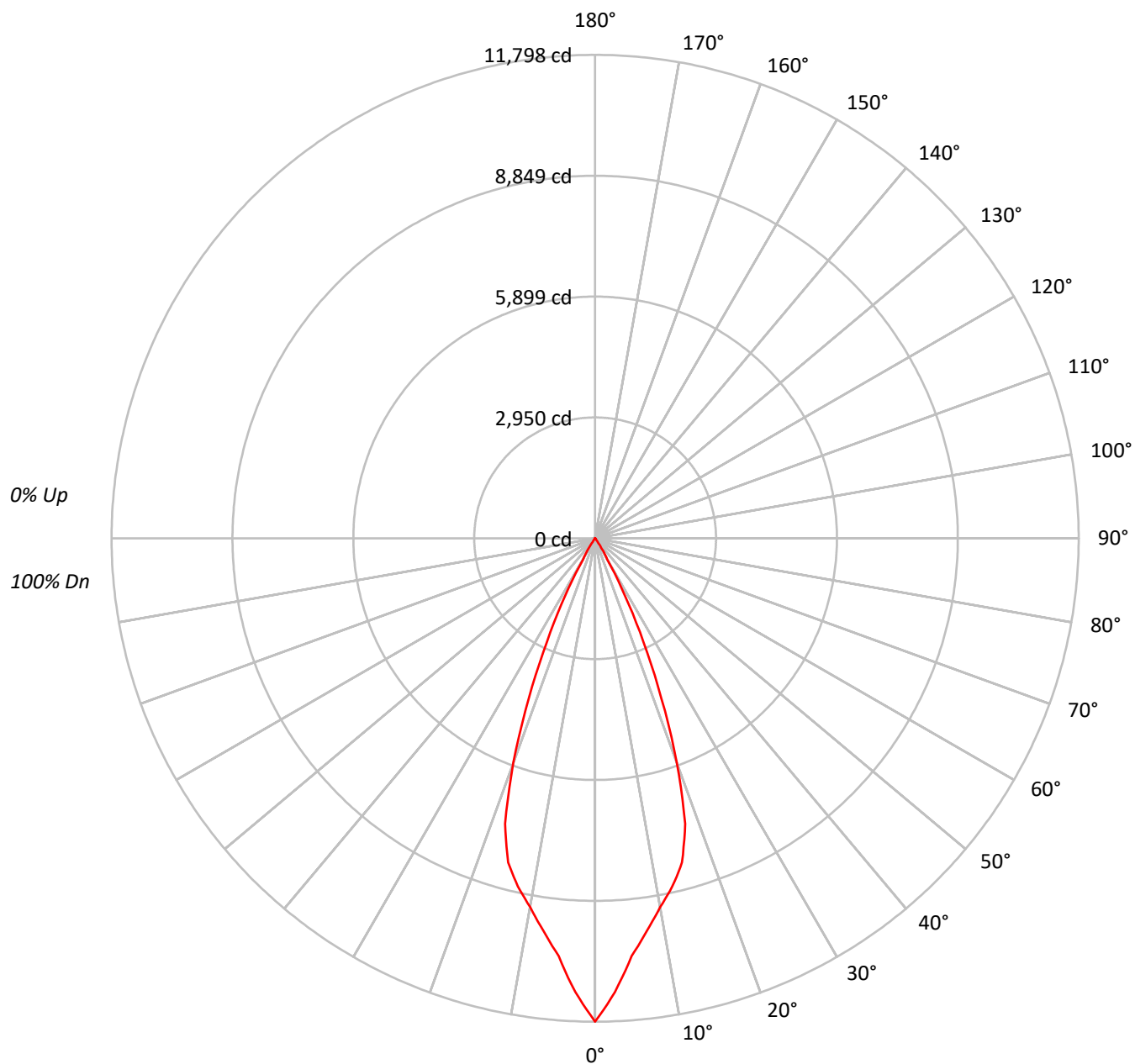
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	507992
5°	442254
10°	399591
15°	365119
20°	267362
25°	131931
30°	29293
35°	5934
40°	989
45°	292
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°	948.5	20.8
10°-20°	2200.9	48.3
20°-30°	1291.0	28.3
30°-40°	111.7	2.5
40°-50°	4.9	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°	4440.5	97.4
0°-40°	4552.2	99.9
0°-60°	4557.7	100.0
0°-90°	4558.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4558.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11798	
5°	10233	949
15°	8191	2201
25°	2777	1291
35°	113	112
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°	11798.5
2.5°	11086.8
5°	10232.6
7.5°	9664.2
10°	9139.8
12.5°	8703.5
15°	8191.2
17.5°	7305.8
20°	5835.2
22.5°	4219.7
25°	2777.1
27.5°	1565.1
30°	589.2
32.5°	304.2
35°	112.9
37.5°	34.4
40°	17.6
42.5°	9.6
45°	4.8
47.5°	2.4
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)