

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: P208920

Luminaire Tested: **LDSQA6A55927D010TE LARH20SP 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26676)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A55927D010TE LARH20SP 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° SPOT
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3389.6 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.48
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

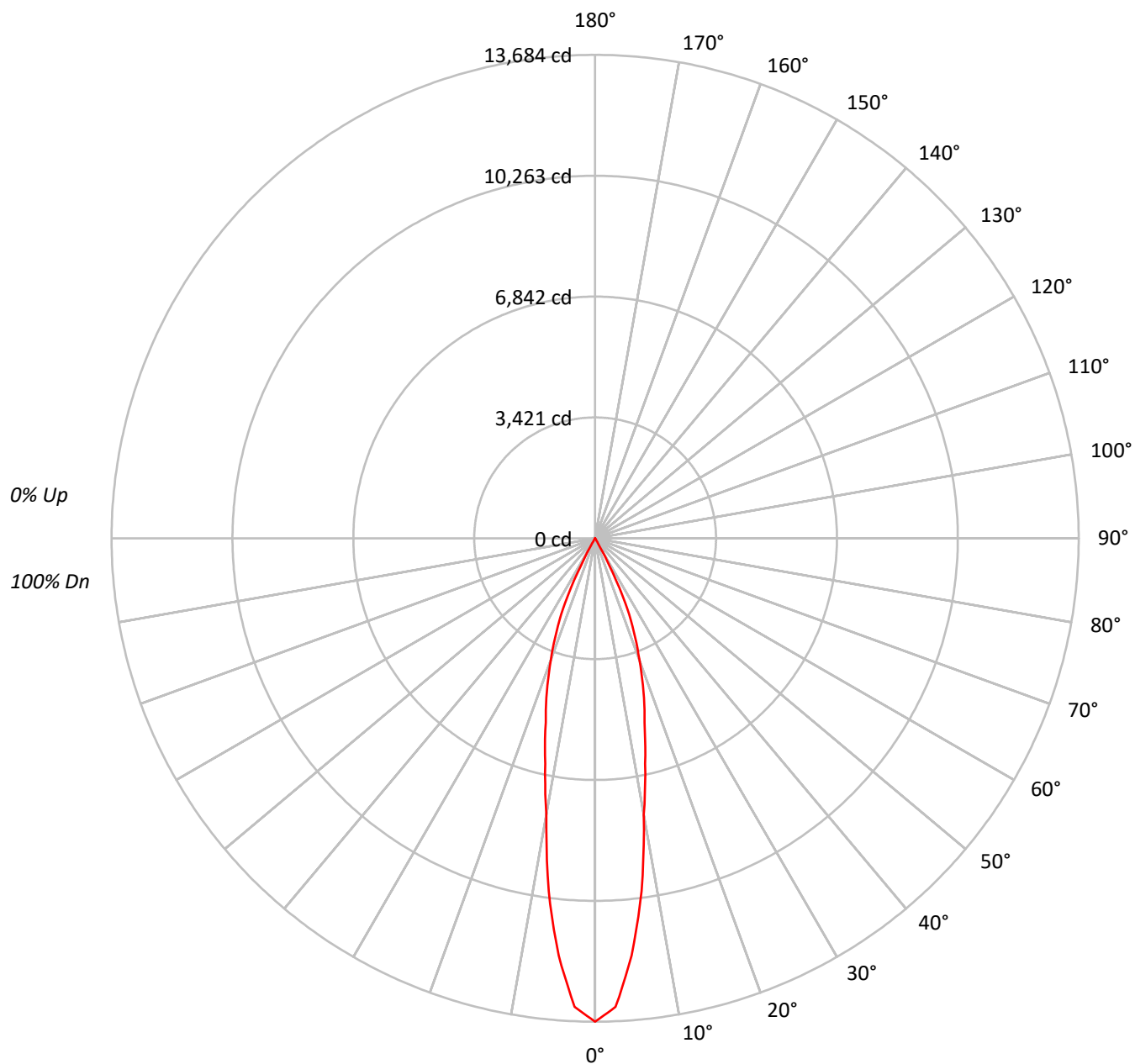
Input Watts (W): 60.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		97
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		92
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		89
6	98	91	87	84	96	91	87	84	89	86	83		88	85	83		87
7	95	88	84	81	94	87	83	81	86	83	80		85	82	80		84
8	92	85	81	78	91	85	81	78	84	80	78		83	80	77		82
9	89	82	78	75	88	82	78	75	81	78	75		80	77	75		80
10	87	80	76	73	86	80	76	73	79	75	73		78	75	73		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	589182
5°	512219
10°	347070
15°	240591
20°	167665
25°	96477
30°	7567
35°	620
40°	315
45°	213
50°	188
55°	158
60°	181
65°	214
70°	176
75°	116
80°	174
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1008.6	29.8
10°-20°	1519.2	44.8
20°-30°	836.9	24.7
30°-40°	17.3	0.5
40°-50°	2.8	0.1
50°-60°	2.1	0.1
60°-70°	1.8	0.1
70°-80°	0.8	0.0
80°-90°	0.1	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°	3364.7	99.3
0°-40°	3382.0	99.8
0°-60°	3386.9	99.9
0°-90°	3389.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3389.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13684	
5°	11851	###
15°	5398	1519
25°	2031	837
35°	12	17
45°	4	3
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13684.2
2.5°	13274.8
5°	11851.4
7.5°	10073.6
10°	7938.5
12.5°	6537.3
15°	5397.5
17.5°	4550.3
20°	3659.3
22.5°	2862.1
25°	2030.8
27.5°	866.7
30°	152.2
32.5°	19.5
35°	11.8
37.5°	7.6
40°	5.6
42.5°	4.2
45°	3.5
47.5°	2.8
50°	2.8
52.5°	2.8
55°	2.1
57.5°	2.1
60°	2.1
62.5°	2.1
65°	2.1
67.5°	1.4
70°	1.4
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)