

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: P208926

Luminaire Tested: **LDSQA6A65835D010TE LARH20SP 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208926
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: LDSQA6A65835D010TE LARH20SP 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° SPOT
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5340.3 lumens
Efficiency: N/A
Efficacy: 67.9 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

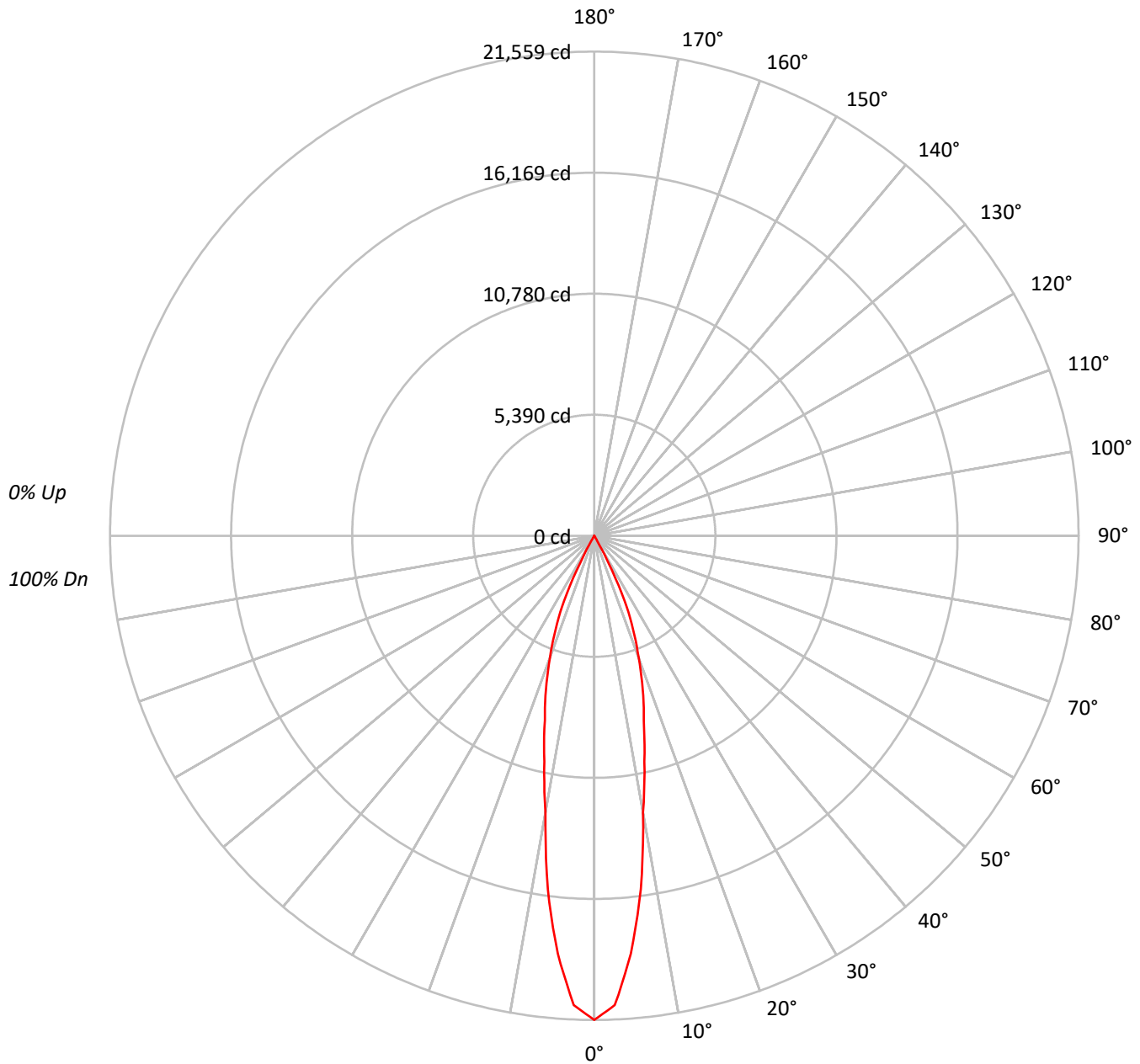
Input Watts (W): 78.67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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°	928250
5°	806998
10°	546804
15°	379048
20°	264150
25°	152002
30°	11922
35°	978
40°	495
45°	335
50°	295
55°	248
60°	284
65°	336
70°	277
75°	183
80°	273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1589.0	29.8
10°-20°	2393.4	44.8
20°-30°	1318.5	24.7
30°-40°	27.3	0.5
40°-50°	4.4	0.1
50°-60°	3.3	0.1
60°-70°	2.9	0.1
70°-80°	1.3	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°	5301.0	99.3
0°-40°	5328.3	99.8
0°-60°	5336.0	99.9
0°-90°	5340.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5340.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21559	
5°	18672	###
15°	8504	2393
25°	3200	1319
35°	19	27
45°	6	4
55°	3	3
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21559.3
2.5°	20914.3
5°	18671.8
7.5°	15870.8
10°	12507.0
12.5°	10299.5
15°	8503.7
17.5°	7168.9
20°	5765.1
22.5°	4509.2
25°	3199.6
27.5°	1365.5
30°	239.8
32.5°	30.7
35°	18.6
37.5°	12.0
40°	8.8
42.5°	6.6
45°	5.5
47.5°	4.4
50°	4.4
52.5°	4.4
55°	3.3
57.5°	3.3
60°	3.3
62.5°	3.3
65°	3.3
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)