

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: P208934

Luminaire Tested: **LDSQA6A75835D010TE LARH20SP 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208934
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: LDSQA6A75835D010TE 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: 6152.1 lumens
Efficiency: N/A
Efficacy: 77.4 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

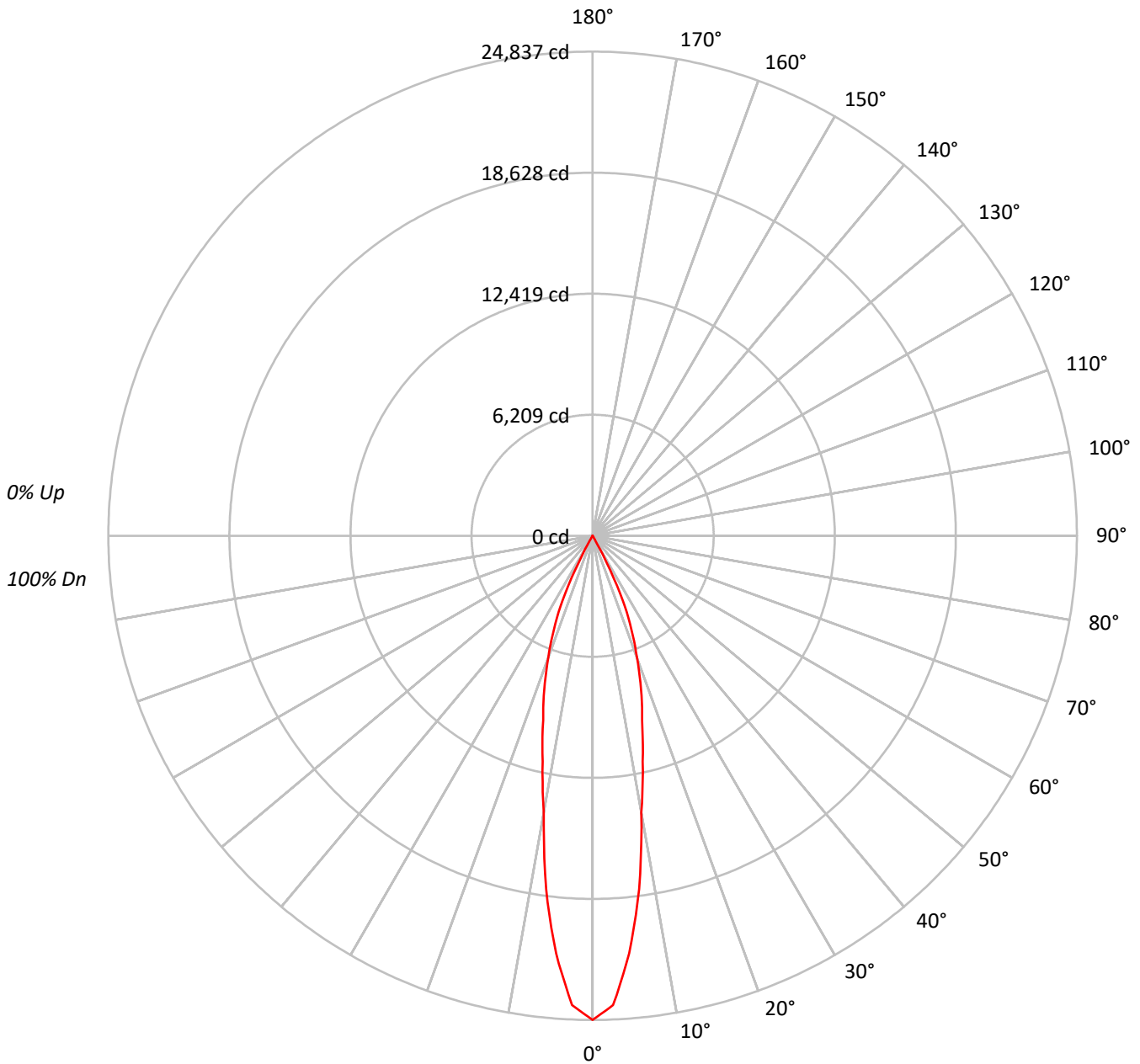
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93	93	93	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90	90	90	90
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87	87	87	87
5	101	95	90	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84	84	84	84
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81	81	81	81
7	95	88	84	81	94	87	83	81	86	83	80	85	82	80	84	82	79	78	78	78	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76	76	76	76
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74	74	74	74
10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1069365
5°	929678
10°	629929
15°	436674
20°	304311
25°	175110
30°	13737
35°	1125
40°	568
45°	384
50°	335
55°	285
60°	327
65°	387
70°	315
75°	216
80°	322
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1830.6	29.8
10°-20°	2757.3	44.8
20°-30°	1519.0	24.7
30°-40°	31.4	0.5
40°-50°	5.1	0.1
50°-60°	3.8	0.1
60°-70°	3.3	0.1
70°-80°	1.5	0.0
80°-90°	0.2	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°	6106.9	99.3
0°-40°	6138.3	99.8
0°-60°	6147.1	99.9
0°-90°	6152.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6152.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24837	
5°	21510	###
15°	9796	2757
25°	3686	1519
35°	21	31
45°	6	5
55°	4	4
65°	4	3
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24836.8
2.5°	24093.8
5°	21510.3
7.5°	18283.5
10°	14408.3
12.5°	11865.3
15°	9796.5
17.5°	8258.8
20°	6641.6
22.5°	5194.7
25°	3686.0
27.5°	1573.0
30°	276.3
32.5°	35.3
35°	21.4
37.5°	13.9
40°	10.1
42.5°	7.6
45°	6.3
47.5°	5.0
50°	5.0
52.5°	5.0
55°	3.8
57.5°	3.8
60°	3.8
62.5°	3.8
65°	3.8
67.5°	2.5
70°	2.5
72.5°	1.3
75°	1.3
77.5°	1.3
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)