

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: P208925

Luminaire Tested: **LDSQA6A65830D010TE LARH20SP 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208925
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: LDSQA6A65830D010TE LARH20SP 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° SPOT
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5146.6 lumens
Efficiency: N/A
Efficacy: 65.4 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

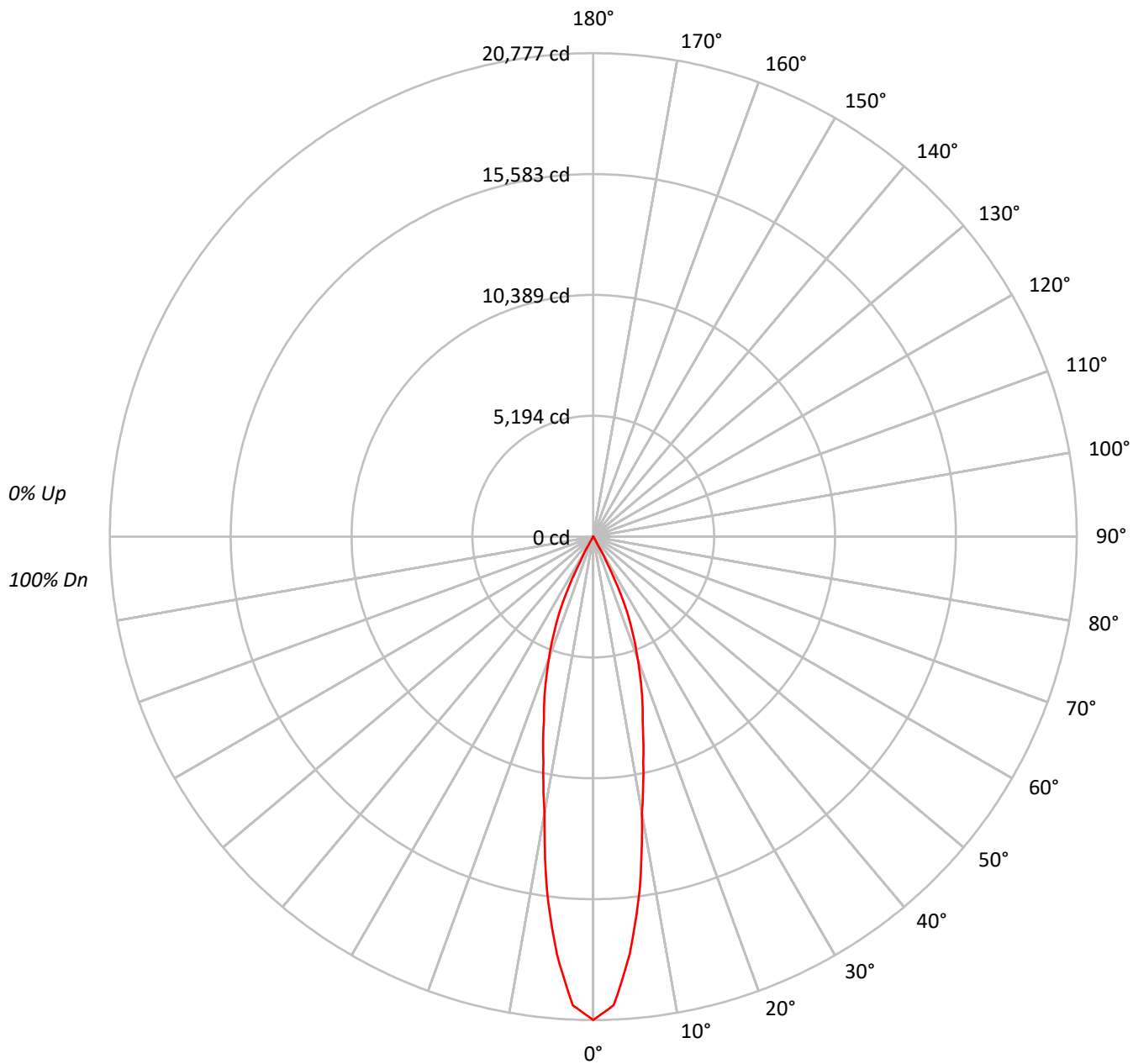
Input Watts (W): 78.67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	894585
5°	777729
10°	526973
15°	365301
20°	254574
25°	146487
30°	11489
35°	941
40°	472
45°	323
50°	281
55°	240
60°	276
65°	326
70°	264
75°	183
80°	273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1531.4	29.8
10°-20°	2306.6	44.8
20°-30°	1270.7	24.7
30°-40°	26.2	0.5
40°-50°	4.2	0.1
50°-60°	3.2	0.1
60°-70°	2.8	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°	5108.7	99.3
0°-40°	5135.0	99.8
0°-60°	5142.4	99.9
0°-90°	5146.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5146.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20777	
5°	17995	###
15°	8195	2307
25°	3084	1271
35°	18	26
45°	5	4
55°	3	3
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	20777.4
2.5°	20155.9
5°	17994.6
7.5°	15295.2
10°	12053.4
12.5°	9926.0
15°	8195.3
17.5°	6908.9
20°	5556.1
22.5°	4345.6
25°	3083.5
27.5°	1315.9
30°	231.1
32.5°	29.5
35°	17.9
37.5°	11.6
40°	8.4
42.5°	6.3
45°	5.3
47.5°	4.2
50°	4.2
52.5°	4.2
55°	3.2
57.5°	3.2
60°	3.2
62.5°	3.2
65°	3.2
67.5°	2.1
70°	2.1
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)