

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: P179687

Luminaire Tested: **LDA6A55840D010TE LARH20SP 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179687
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: LDA6A55840D010TE LARH20SP 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5005.2 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.48
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

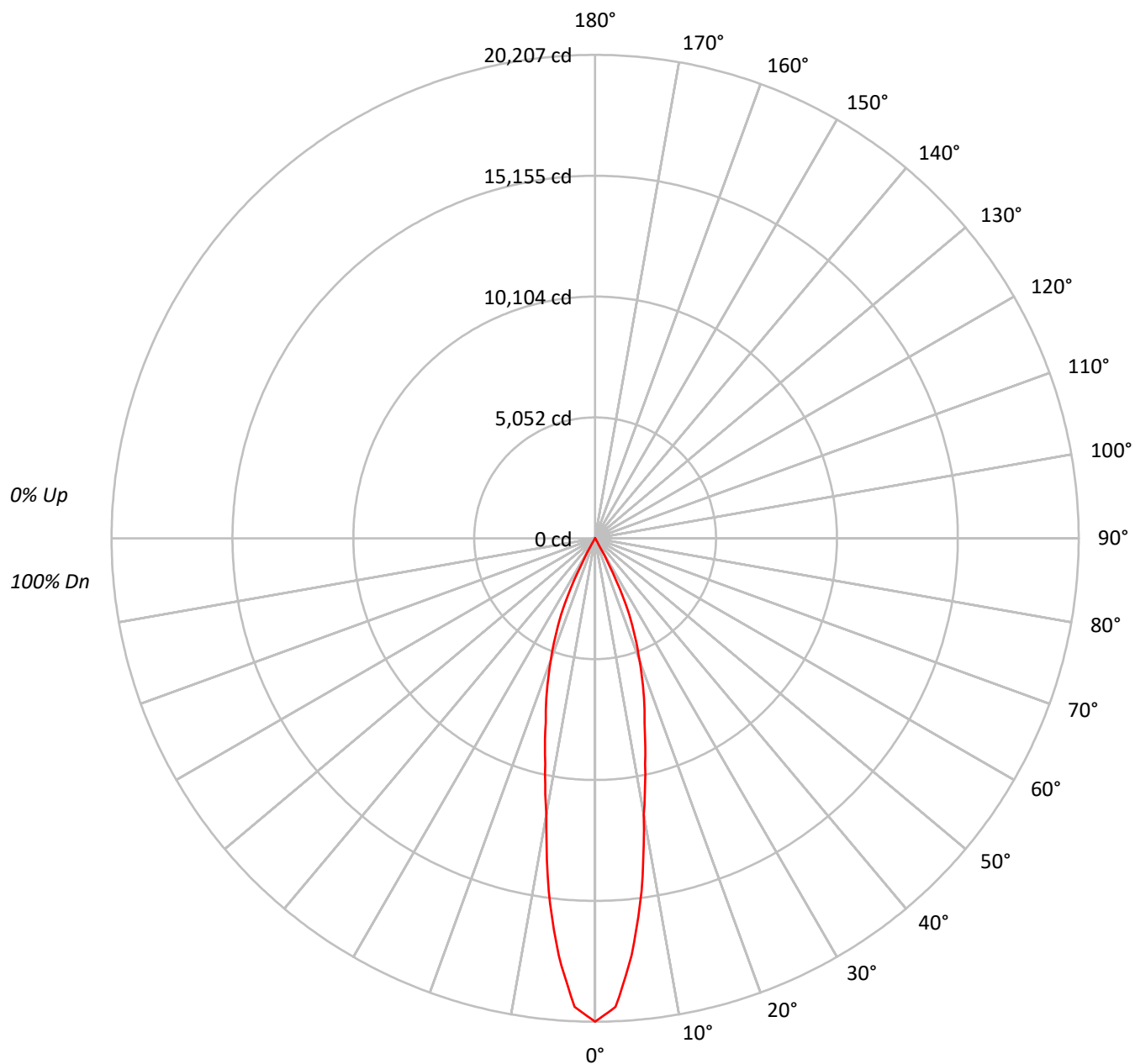
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1107740
5°	963040
10°	652537
15°	452341
20°	315232
25°	181390
30°	14230
35°	1164
40°	587
45°	395
50°	350
55°	296
60°	340
65°	402
70°	337
75°	212
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1489.3	29.8
10°-20°	2243.3	44.8
20°-30°	1235.8	24.7
30°-40°	25.5	0.5
40°-50°	4.1	0.1
50°-60°	3.1	0.1
60°-70°	2.7	0.1
70°-80°	1.2	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°	4968.4	99.3
0°-40°	4994.0	99.8
0°-60°	5001.2	99.9
0°-90°	5005.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5005.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20207	
5°	17500	###
15°	7970	2243
25°	2999	1236
35°	17	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°	20206.8
2.5°	19602.3
5°	17500.4
7.5°	14875.2
10°	11722.4
12.5°	9653.4
15°	7970.2
17.5°	6719.2
20°	5403.5
22.5°	4226.3
25°	2998.8
27.5°	1279.8
30°	224.8
32.5°	28.7
35°	17.4
37.5°	11.3
40°	8.2
42.5°	6.2
45°	5.1
47.5°	4.1
50°	4.1
52.5°	4.1
55°	3.1
57.5°	3.1
60°	3.1
62.5°	3.1
65°	3.1
67.5°	2.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)