Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P179706

Luminaire Tested: **LDA6A55935D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

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Scaled Data Report

Test Information

Test Method:	LM-41-14
Report Number:	P179706
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LDA6A55935D010TE LARH30NF 6LA1LI
Description:	PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30° Narrow Flood
Light Source:	(1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4715.1 lumens
Efficiency:	N/A
Efficacy:	77.3 lumens/watt
Spacing Criteria (0/90/45):	0.57 / 0.57 / 0.55
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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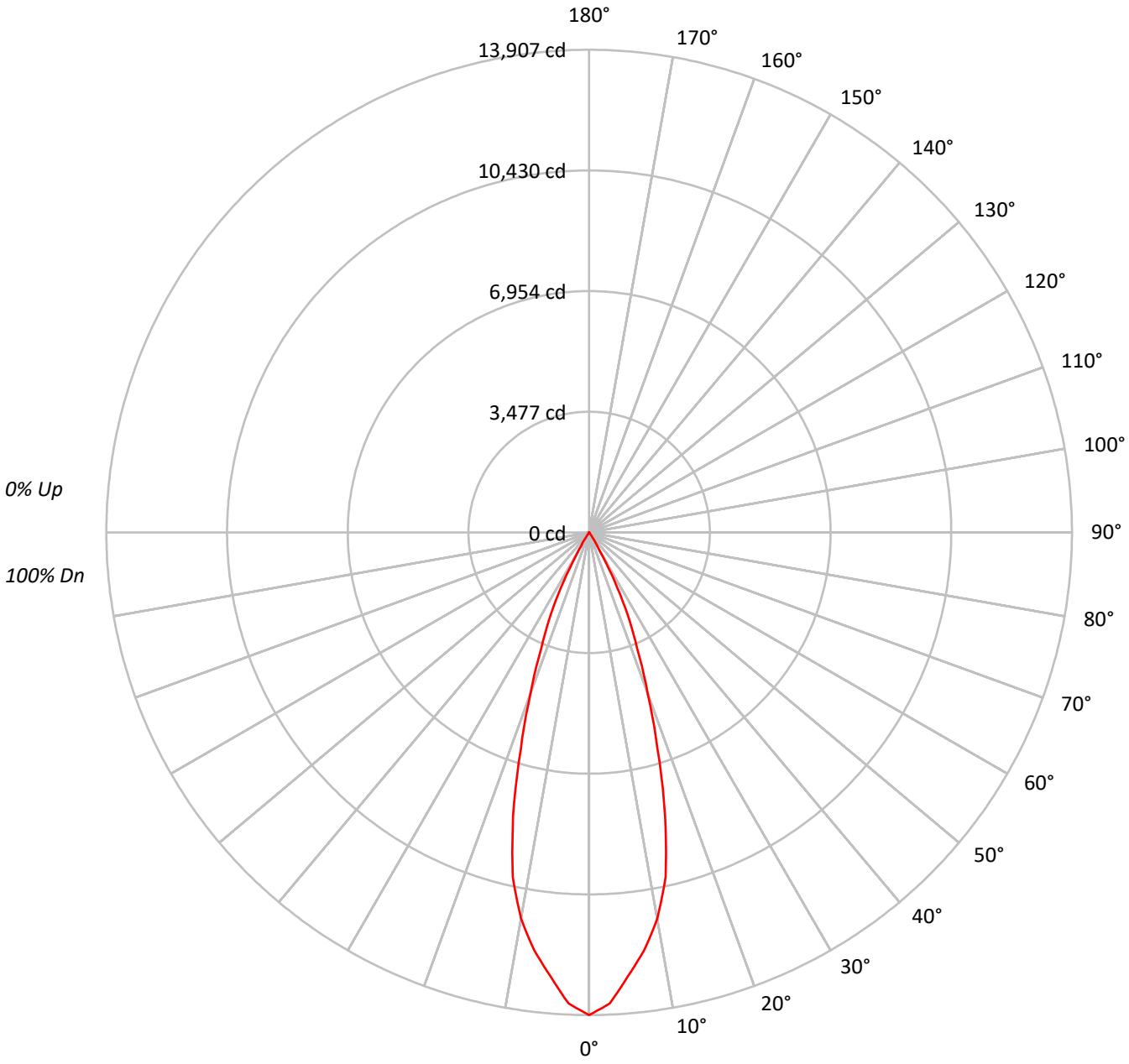
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	762395
5°	706167
10°	629091
15°	480048
20°	287801
25°	158610
30°	39240
35°	3032
40°	859
45°	333
50°	145
55°	162
60°	186
65°	117
70°	144
75°	191
80°	284
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1180.6	25.0
10°-20°	2263.3	48.0
20°-30°	1168.8	24.8
30°-40°	94.7	2.0
40°-50°	3.9	0.1
50°-60°	1.5	0.0
60°-70°	1.2	0.0
70°-80°	1.0	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°	4612.7	97.8
0°-40°	4707.4	99.8
0°-60°	4712.8	100.0
0°-90°	4715.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4715.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13907	
5°	12832	###
15°	8458	2263
25°	2622	1169
35°	45	95
45°	4	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	13907.2
2.5°	13590.0
5°	12832.5
7.5°	12142.5
10°	11301.2
12.5°	10170.1
15°	8458.4
17.5°	6557.8
20°	4933.3
22.5°	3616.6
25°	2622.2
27.5°	1579.2
30°	619.9
32.5°	263.3
35°	45.3
37.5°	22.2
40°	12.0
42.5°	6.8
45°	4.3
47.5°	2.6
50°	1.7
52.5°	1.7
55°	1.7
57.5°	1.7
60°	1.7
62.5°	1.7
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)