

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: P208901

Luminaire Tested: **LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 35° FLOOD, 30° Tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2969.6 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

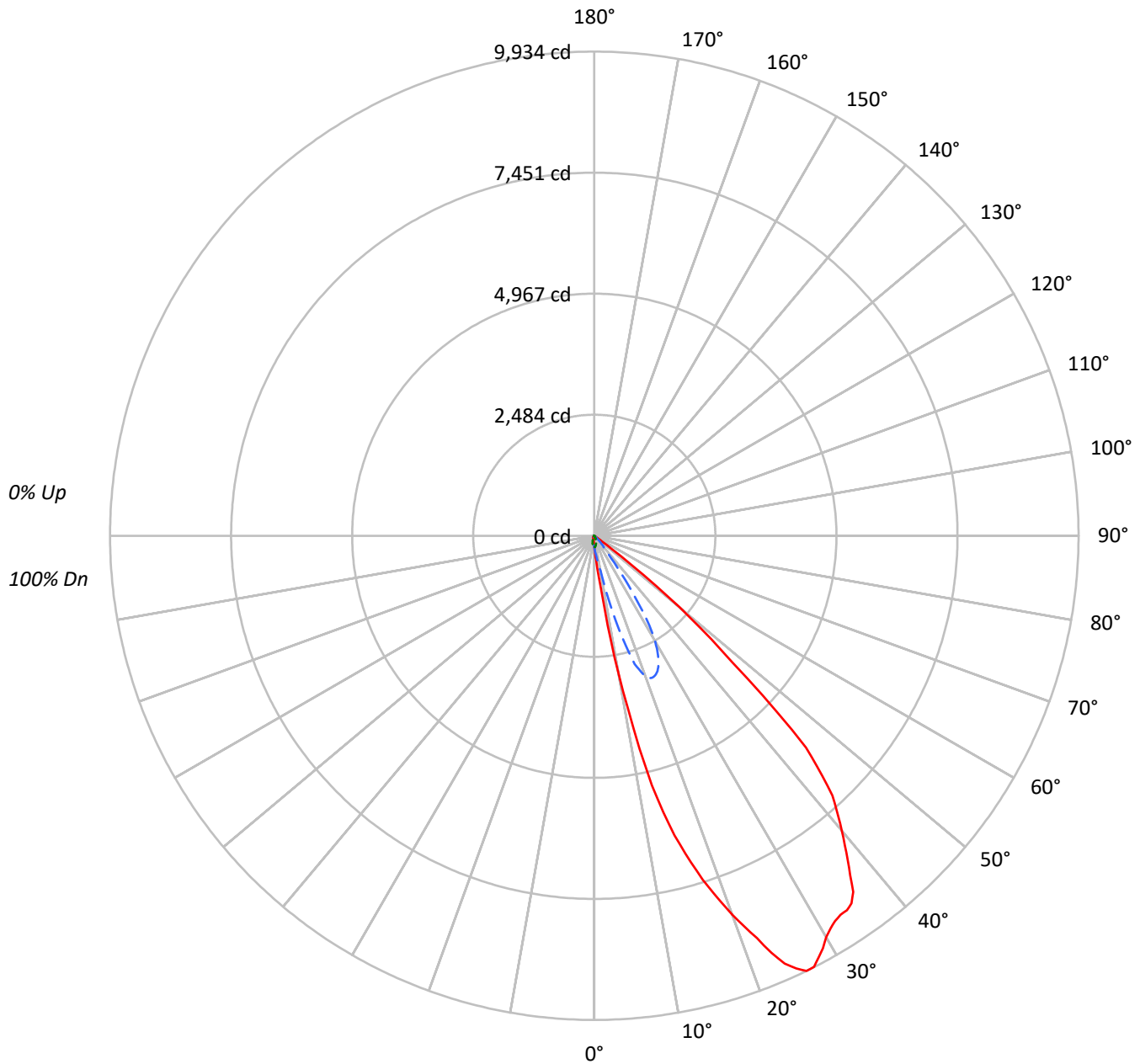
Input Watts (W): 44.62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

Luminous Intensity Polar Plot





TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104	110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	100	95	91	103	98	94	90		95	91	88		92	89	86		89	86	84
3	99	91	85	80	96	89	84	80		87	82	78		84	80	77		82	79	76
4	92	83	76	71	90	82	76	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64	84	75	68	63		73	67	63		71	66	62		69	65	61
6	80	69	62	57	78	68	62	57		67	61	56		65	60	56		64	59	55
7	75	64	56	51	73	63	56	51		61	55	51		60	54	50		59	54	50
8	70	58	51	46	68	58	51	46		56	50	46		55	50	46		54	49	45
9	65	54	47	42	64	53	46	42		52	46	41		51	45	41		50	45	41
10	61	49	42	38	60	49	42	38		48	42	38		47	42	37		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	10153	10153	10153
5°	24878	9681	5351
10°	126092	8031	3909
15°	283650	6084	3107
20°	378844	4275	2612
25°	465461	2988	2285
30°	472703	2053	2098
35°	483642	1293	1861
40°	444128	776	1714
45°	374016	536	1553
50°	152982	462	1380
55°	7446	443	1036
60°	422	422	680
65°	102	499	601
70°	126	617	617
75°	0	981	649
80°	0	1463	719
85°	0	2915	988



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	1.2
10°-20°	392.5	13.2
20°-30°	904.0	30.4
30°-40°	994.0	33.5
40°-50°	583.1	19.6
50°-60°	47.5	1.6
60°-70°	4.9	0.2
70°-80°	4.1	0.1
80°-90°	3.2	0.1
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°	1332.7	44.9
0°-40°	2326.8	78.4
0°-60°	2957.4	99.6
0°-90°	2969.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2969.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	236	236	236	236	236	
5°	576	397	224	138	124	121
15°	6364	2081	136	75	70	1796
25°	9798	3065	63	43	48	4390
35°	9202	1103	25	26	35	5605
45°	6142	123	9	17	26	4254
55°	99	6	6	11	14	396
65°	1	3	5	7	6	1
75°	0	3	6	5	4	0
85°	0	3	6	4	2	0
90°	0	0	0	0	0	



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8
2.5°	363.5	355.6	353.6	352.7	346.8	349.7	351.7	346.8	346.8	346.8	336.0
5°	575.6	554.0	551.1	546.2	531.4	531.4	533.4	520.6	515.7	498.0	482.3
7.5°	1180.8	1099.2	1137.5	1115.9	1056.0	1036.4	1032.4	978.4	945.0	878.2	817.3
10°	2884.1	2701.4	2757.4	2698.5	2559.0	2470.6	2470.6	2319.3	2206.3	2007.9	1807.5
11°	3603.2	3489.2	3546.2	3477.5	3313.4	3204.4	3201.4	3023.6	2885.1	2640.5	2391.0
12°	4464.7	4289.8	4253.5	4270.2	4086.5	3961.7	3947.0	3751.5	3595.3	3312.4	3027.5
13°	5254.5	5136.6	5012.8	5020.7	4828.2	4700.5	4669.0	4463.7	4298.7	3992.2	3676.9
14°	5840.9	5775.1	5668.1	5656.3	5482.4	5353.7	5315.4	5106.2	4933.3	4624.8	4293.8
15°	6363.5	6301.7	6200.5	6174.0	6007.0	5876.3	5832.1	5614.0	5437.2	5146.4	4826.2
17.5°	7399.9	7359.6	7320.3	7214.2	7087.5	6897.0	6835.1	6581.6	6351.8	6089.5	5739.8
20°	8268.3	8214.3	8131.7	8045.3	7885.2	7678.9	7635.7	7330.2	7089.5	6828.2	6419.5
21°	8585.6	8532.5	8444.1	8344.9	8163.2	7945.1	7885.2	7563.0	7309.5	7038.4	6622.9
22°	8902.9	8852.8	8762.4	8636.7	8435.3	8190.7	8101.3	7761.4	7494.2	7195.6	6778.1
23°	9295.8	9177.9	9079.7	8925.5	8688.7	8411.7	8290.9	7924.5	7643.5	7332.1	6906.8
24°	9607.2	9487.4	9372.4	9184.8	8917.6	8610.1	8455.9	8065.9	7779.1	7442.1	7012.9
25°	9797.8	9735.9	9615.1	9401.9	9112.1	8776.2	8595.4	8181.8	7868.5	7534.5	7100.3
26°	9934.3	9869.5	9765.4	9542.4	9265.4	8923.5	8703.5	8279.1	7954.9	7594.4	7158.3
27°	9929.4	9890.1	9802.7	9606.2	9373.4	9025.7	8793.8	8343.9	8000.1	7624.9	7180.8
28°	9797.8	9797.8	9758.5	9599.4	9399.0	9070.9	8826.3	8355.7	8005.0	7618.0	7166.1
29°	9677.9	9647.5	9655.3	9530.6	9359.7	9039.4	8802.7	8321.3	7968.7	7573.8	7121.9
30°	9508.0	9499.2	9533.5	9433.3	9291.9	8972.6	8727.0	8249.6	7897.0	7501.1	7051.2
31°	9401.9	9378.3	9411.7	9328.2	9173.0	8845.9	8612.1	8146.5	7802.7	7407.8	6964.7
32°	9322.3	9293.8	9333.1	9225.1	9056.1	8732.9	8483.4	8033.5	7679.9	7304.6	6854.7
33°	9274.2	9265.4	9280.1	9133.7	8916.6	8579.7	8353.8	7912.7	7562.0	7188.7	6733.9
34°	9265.4	9246.7	9221.2	9010.9	8776.2	8434.3	8207.4	7778.1	7435.3	7052.2	6586.5
35°	9201.5	9160.2	9102.3	8841.0	8577.7	8250.6	8036.5	7622.9	7276.1	6889.1	6403.8
36°	9036.5	8966.7	8903.9	8631.8	8358.7	8053.2	7851.8	7447.1	7101.3	6701.5	6194.6
37°	8719.2	8695.6	8619.0	8387.2	8137.6	7843.9	7649.4	7263.4	6905.8	6486.3	5960.8
38°	8444.1	8418.6	8347.9	8138.6	7911.7	7629.8	7436.3	7026.6	6685.8	6244.7	5705.4
39°	8165.1	8142.6	8088.5	7860.6	7663.2	7397.9	7204.4	6794.8	6446.1	5976.5	5423.5
40°	7901.9	7879.3	7830.2	7604.2	7408.7	7156.3	6959.8	6542.3	6214.2	5684.8	5100.3
42.5°	7230.9	7154.3	7091.5	6874.4	6699.5	6437.2	6225.0	5795.8	5336.0	4775.1	4188.7
45°	6142.5	6047.2	5972.6	5833.1	5642.5	5440.2	5153.3	4689.7	4214.2	3672.0	2873.3
47.5°	3835.0	3701.4	3616.0	3456.8	3242.7	3104.2	3028.5	2783.9	2459.8	2220.1	1613.0
50°	2283.9	2185.7	2114.0	1883.1	1720.1	1517.7	1325.2	969.6	778.0	588.4	487.2
51°	1642.5	1561.9	1519.7	1329.1	1205.3	1060.9	925.4	674.9	543.2	410.6	338.9
52°	950.9	889.0	887.0	764.3	716.1	657.2	561.9	445.0	380.2	297.6	254.4
53°	442.0	405.7	412.6	355.6	336.9	329.1	326.1	259.3	253.4	222.0	187.6
54°	198.4	181.7	169.9	164.0	159.1	161.1	165.0	149.3	143.4	139.5	127.7
55°	99.2	90.4	85.5	90.4	80.6	81.5	84.5	78.6	76.6	76.6	74.7
57.5°	21.6	20.6	20.6	21.6	20.6	20.6	21.6	21.6	21.6	20.6	20.6
60°	4.9	4.9	4.9	4.9	5.9	5.9	5.9	5.9	6.9	7.9	7.9



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
64°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
66°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
75°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0
77.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
80°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8
2.5°	335.0	327.1	328.1	322.2	318.3	315.3	318.3	309.4	307.5	298.6	293.7
5°	478.4	459.7	453.8	440.1	424.4	416.5	413.6	396.9	388.0	371.3	361.5
7.5°	790.8	731.8	697.5	657.2	608.1	583.5	552.1	521.6	488.2	456.8	435.2
10°	1720.1	1532.4	1392.0	1247.6	1052.1	953.8	828.1	735.8	643.4	570.7	525.5
11°	2279.0	2040.3	1850.7	1650.3	1391.0	1250.5	1066.8	915.5	755.4	644.4	571.7
12°	2884.1	2598.3	2364.5	2103.2	1785.9	1597.3	1367.4	1167.0	944.0	773.1	648.3
13°	3494.2	3166.1	2895.9	2579.6	2219.1	1976.5	1705.3	1457.8	1178.8	960.7	780.0
14°	4084.5	3724.0	3424.4	3057.0	2666.0	2373.3	2064.9	1768.2	1439.1	1173.9	947.0
15°	4612.0	4230.9	3917.5	3520.7	3110.1	2771.2	2425.4	2080.6	1737.7	1399.8	1129.7
17.5°	5519.7	5118.9	4810.5	4393.0	3987.3	3601.2	3205.3	2757.4	2334.0	1914.6	1595.3
20°	6206.4	5723.1	5353.7	4859.6	4396.9	3961.7	3543.3	3086.5	2668.0	2215.2	1851.7
21°	6381.2	5880.2	5503.0	5007.9	4508.9	4049.2	3609.1	3129.7	2695.5	2238.7	1877.2
22°	6529.6	6026.6	5622.9	5103.2	4593.4	4107.1	3649.4	3145.4	2693.6	2222.0	1858.6
23°	6642.5	6130.7	5720.1	5186.7	4659.2	4149.4	3668.0	3138.6	2670.0	2187.7	1815.3
24°	6749.6	6226.0	5797.7	5238.8	4697.5	4156.2	3658.2	3111.0	2630.7	2135.6	1757.4
25°	6818.4	6289.9	5840.0	5264.3	4699.5	4137.6	3625.8	3064.9	2570.8	2064.9	1681.8
26°	6867.5	6320.3	5854.7	5255.5	4683.8	4100.3	3574.7	2996.1	2488.2	1977.4	1594.3
27°	6875.3	6318.4	5836.0	5225.0	4631.7	4029.5	3492.2	2899.8	2382.2	1876.3	1499.0
28°	6845.9	6282.0	5788.9	5166.1	4559.0	3935.2	3385.1	2783.9	2264.3	1764.3	1393.9
29°	6793.8	6221.1	5708.3	5069.8	4445.1	3808.5	3256.4	2649.3	2131.7	1637.5	1278.0
30°	6711.3	6132.7	5605.2	4956.8	4314.4	3665.1	3107.1	2492.2	1969.6	1482.3	1126.7
31°	6612.1	6018.7	5465.7	4801.6	4150.4	3496.1	2934.2	2282.9	1761.3	1286.9	946.0
32°	6483.4	5874.3	5305.6	4629.7	3966.7	3302.6	2697.5	2015.7	1513.8	1059.9	750.5
33°	6341.0	5714.2	5115.0	4407.7	3762.3	3043.3	2387.1	1713.2	1237.7	820.2	552.1
34°	6165.1	5522.7	4912.6	4181.8	3500.0	2706.3	1988.2	1387.1	952.9	586.5	375.3
35°	5961.8	5301.6	4667.1	3915.6	3147.4	2318.3	1616.9	1103.2	681.7	391.0	273.1
36°	5725.0	5062.0	4406.7	3570.8	2745.6	1912.6	1258.4	808.5	466.6	297.6	234.8
37°	5469.6	4793.8	4058.0	3211.2	2314.4	1512.8	936.2	568.8	352.7	264.2	203.3
38°	5182.8	4507.9	3663.1	2765.3	1881.2	1143.4	669.0	424.4	303.5	229.9	173.9
39°	4865.5	4155.3	3211.2	2295.7	1463.7	824.2	509.8	348.7	262.3	198.4	150.3
40°	4513.8	3658.2	2719.1	1832.0	1088.4	594.3	415.5	301.6	228.9	169.9	127.7
42.5°	3342.9	2426.4	1496.1	864.5	513.8	370.3	276.0	212.2	150.3	102.2	65.8
45°	2008.9	1238.7	656.2	448.9	325.2	248.5	177.8	122.8	71.7	44.2	30.5
47.5°	897.9	517.7	367.4	289.8	210.2	148.3	86.4	52.1	32.4	22.6	16.7
50°	349.7	283.9	219.1	167.0	101.2	58.9	37.3	24.6	16.7	11.8	7.9
51°	270.1	220.0	170.9	122.8	67.8	41.3	27.5	18.7	12.8	8.8	5.9
52°	207.3	169.0	128.7	82.5	46.2	31.4	21.6	13.8	9.8	5.9	4.9
53°	152.3	129.7	89.4	58.0	33.4	23.6	16.7	10.8	6.9	4.9	3.9
54°	105.1	89.4	57.0	36.3	24.6	17.7	11.8	7.9	4.9	3.9	3.9
55°	63.9	56.0	37.3	26.5	17.7	12.8	8.8	5.9	3.9	2.9	2.9
57.5°	19.6	17.7	14.7	11.8	7.9	5.9	3.9	2.9	2.9	2.9	2.9
60°	6.9	6.9	5.9	4.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
64°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	3.9
65°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	3.9
66°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	3.9
67.5°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	3.9
70°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	3.9	3.9
72.5°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	3.9	3.9
75°	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
77.5°	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
80°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	3.9	3.9	3.9
82.5°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	3.9	3.9	3.9
85°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	3.9	3.9	3.9
87.5°	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8
2.5°	289.8	284.9	280.9	277.0	272.1	269.2	266.2	260.3	257.4	250.5	245.6
5°	350.7	339.9	329.1	318.3	308.5	300.6	292.7	281.9	274.1	262.3	252.5
7.5°	411.6	390.0	370.3	353.6	336.0	323.2	308.5	292.7	279.0	263.3	248.5
10°	480.4	440.1	406.7	377.2	351.7	331.0	311.4	289.8	273.1	252.5	235.8
11°	509.8	461.7	420.4	385.1	355.6	332.0	309.4	285.9	267.2	246.6	227.9
12°	553.1	482.3	434.2	392.9	357.6	331.0	306.5	280.9	261.3	239.7	221.0
13°	625.7	519.7	447.9	397.8	360.5	329.1	301.6	274.1	253.4	230.8	211.2
14°	746.6	585.5	476.4	406.7	360.5	327.1	295.7	266.2	243.6	221.0	201.4
15°	893.9	692.5	531.4	425.3	359.5	323.2	289.8	258.4	233.8	210.2	188.6
17.5°	1271.1	1002.0	767.2	563.9	412.6	316.3	268.2	231.8	205.3	178.8	159.1
20°	1497.1	1190.6	927.3	692.5	498.0	346.8	249.5	202.4	173.9	150.3	131.6
21°	1524.6	1215.1	945.0	708.3	507.9	350.7	243.6	189.6	161.1	137.5	120.8
22°	1515.7	1208.3	937.1	699.4	498.0	341.9	232.8	177.8	149.3	126.7	110.0
23°	1472.5	1170.0	899.8	664.1	471.5	321.2	217.1	165.0	137.5	115.9	100.2
24°	1409.6	1106.1	842.8	612.0	424.4	284.9	194.5	151.3	125.7	106.1	93.3
25°	1335.0	1033.4	771.1	553.1	368.4	244.6	170.9	137.5	114.0	96.3	85.5
26°	1251.5	954.8	696.5	486.3	309.4	205.3	151.3	124.8	102.2	86.4	77.6
27°	1162.1	869.4	617.9	413.6	257.4	174.9	136.5	111.0	92.3	79.6	70.7
28°	1066.8	783.9	532.4	344.8	213.2	153.2	122.8	99.2	82.5	71.7	64.8
29°	959.7	683.7	449.9	281.9	175.8	135.6	109.0	88.4	74.7	65.8	59.9
30°	825.2	570.7	360.5	226.9	151.3	120.8	97.3	79.6	67.8	60.9	55.0
31°	671.9	444.0	274.1	179.8	131.6	107.1	86.4	71.7	61.9	56.0	50.1
32°	507.9	323.2	204.3	149.3	115.9	94.3	76.6	64.8	57.0	50.1	46.2
33°	357.6	230.8	165.0	129.7	101.2	82.5	68.8	58.9	52.1	45.2	41.3
34°	245.6	185.7	143.4	112.0	88.4	73.7	61.9	53.0	46.2	40.3	36.3
35°	207.3	162.1	123.8	96.3	76.6	64.8	55.0	47.2	40.3	35.4	31.4
36°	178.8	140.5	106.1	84.5	66.8	56.0	48.1	40.3	34.4	29.5	27.5
37°	154.2	120.8	91.4	72.7	57.0	47.2	39.3	33.4	29.5	25.5	23.6
38°	133.6	102.2	77.6	61.9	47.2	38.3	32.4	27.5	24.6	21.6	19.6
39°	114.0	85.5	62.9	49.1	37.3	31.4	26.5	23.6	20.6	18.7	16.7
40°	94.3	67.8	48.1	38.3	29.5	25.5	21.6	19.6	16.7	15.7	14.7
42.5°	44.2	32.4	25.5	21.6	17.7	15.7	13.8	11.8	10.8	9.8	9.8
45°	22.6	18.7	13.8	11.8	9.8	8.8	7.9	6.9	6.9	6.9	6.9
47.5°	11.8	8.8	6.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
50°	5.9	3.9	3.9	3.9	2.9	3.9	3.9	3.9	3.9	4.9	4.9
51°	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	4.9	4.9
52°	3.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	4.9	4.9
53°	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	4.9	4.9
54°	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	4.9	4.9
55°	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	4.9
57.5°	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9	4.9
60°	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9
64°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9
65°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9
66°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
67.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
70°	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9
72.5°	3.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	3.9	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
77.5°	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
80°	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
85°	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8
2.5°	245.6	236.7	237.7	232.8	194.5	173.9	163.1	155.2
5°	247.5	234.8	231.8	224.0	162.1	138.5	128.7	123.8
7.5°	240.7	224.0	218.1	207.3	137.5	115.9	108.1	104.1
10°	225.0	206.3	196.5	183.7	117.9	100.2	92.3	89.4
11°	217.1	197.4	187.6	174.9	111.0	94.3	87.4	84.5
12°	208.3	187.6	178.8	165.0	104.1	88.4	82.5	79.6
13°	198.4	177.8	169.0	156.2	97.3	83.5	78.6	75.6
14°	186.6	168.0	159.1	147.3	91.4	78.6	74.7	72.7
15°	175.8	158.2	148.3	136.5	86.4	74.7	71.7	69.7
17.5°	147.3	131.6	123.8	114.0	72.7	63.9	63.9	62.9
20°	120.8	107.1	101.2	93.3	60.9	56.0	57.0	57.0
21°	111.0	99.2	93.3	86.4	58.0	53.0	55.0	55.0
22°	101.2	90.4	86.4	79.6	54.0	50.1	53.0	53.0
23°	93.3	82.5	79.6	73.7	50.1	48.1	51.1	51.1
24°	85.5	76.6	72.7	67.8	47.2	45.2	49.1	50.1
25°	78.6	69.7	66.8	62.9	44.2	43.2	47.2	48.1
26°	71.7	63.9	61.9	58.0	41.3	41.3	45.2	47.2
27°	65.8	59.9	57.0	53.0	38.3	39.3	44.2	45.2
28°	60.9	55.0	52.1	49.1	35.4	37.3	42.2	44.2
29°	56.0	50.1	48.1	45.2	33.4	35.4	40.3	43.2
30°	51.1	46.2	44.2	41.3	31.4	33.4	39.3	42.2
31°	47.2	42.2	40.3	37.3	29.5	32.4	37.3	40.3
32°	42.2	38.3	36.3	34.4	27.5	30.5	36.3	39.3
33°	38.3	33.4	32.4	30.5	26.5	29.5	35.4	37.3
34°	33.4	29.5	28.5	27.5	24.6	27.5	33.4	36.3
35°	28.5	26.5	25.5	24.6	22.6	26.5	32.4	35.4
36°	25.5	22.6	22.6	21.6	21.6	25.5	31.4	34.4
37°	21.6	20.6	19.6	19.6	19.6	23.6	29.5	33.4
38°	18.7	17.7	17.7	17.7	18.7	22.6	28.5	32.4
39°	15.7	15.7	15.7	15.7	17.7	21.6	27.5	31.4
40°	13.8	13.8	13.8	13.8	16.7	20.6	26.5	30.5
42.5°	9.8	9.8	9.8	10.8	13.8	18.7	23.6	28.5
45°	7.9	7.9	7.9	8.8	12.8	16.7	21.6	25.5
47.5°	5.9	5.9	6.9	7.9	10.8	14.7	19.6	23.6
50°	4.9	5.9	5.9	6.9	9.8	13.8	16.7	20.6
51°	4.9	4.9	5.9	5.9	8.8	12.8	15.7	19.6
52°	4.9	4.9	5.9	5.9	8.8	11.8	15.7	17.7
53°	4.9	4.9	5.9	5.9	8.8	11.8	14.7	16.7
54°	4.9	4.9	5.9	5.9	7.9	10.8	13.8	15.7
55°	4.9	4.9	5.9	5.9	7.9	10.8	13.8	13.8
57.5°	4.9	4.9	4.9	5.9	6.9	9.8	11.8	11.8
60°	4.9	4.9	4.9	4.9	6.9	8.8	10.8	7.9



TEST NUMBER: P208901

CATALOG NUMBER: LDSQA6A30830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.9	4.9	4.9	4.9	5.9	7.9	8.8	5.9
64°	4.9	4.9	4.9	5.9	5.9	7.9	7.9	5.9
65°	4.9	4.9	4.9	4.9	5.9	6.9	7.9	5.9
66°	4.9	4.9	4.9	4.9	5.9	6.9	6.9	5.9
67.5°	4.9	4.9	4.9	4.9	5.9	6.9	6.9	4.9
70°	4.9	4.9	4.9	4.9	5.9	5.9	5.9	4.9
72.5°	4.9	4.9	4.9	4.9	4.9	5.9	4.9	3.9
75°	4.9	4.9	5.9	5.9	4.9	4.9	3.9	3.9
77.5°	4.9	4.9	5.9	5.9	4.9	4.9	3.9	2.9
80°	4.9	4.9	5.9	5.9	4.9	3.9	2.9	2.9
82.5°	4.9	4.9	5.9	5.9	4.9	3.9	2.9	2.0
85°	4.9	4.9	5.9	5.9	4.9	3.9	2.0	2.0
87.5°	4.9	4.9	5.9	5.9	4.9	2.9	2.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - 90°-270°







61°	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	4.9	4.9
62°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9





61°	4.9	4.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
62°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9





61°	2.9	2.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9
62°	2.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9





61°	4.9	4.9	4.9	4.9	6.9	8.8	9.8	6.9
62°	4.9	4.9	4.9	4.9	6.9	8.8	8.8	6.9



(END OF REPORT)