

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: P208900

Luminaire Tested: **LDSQA6A30827D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208900
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: LDSQA6A30827D010TE 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 / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2909.7 lumens
Efficiency: N/A
Efficacy: 65.2 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

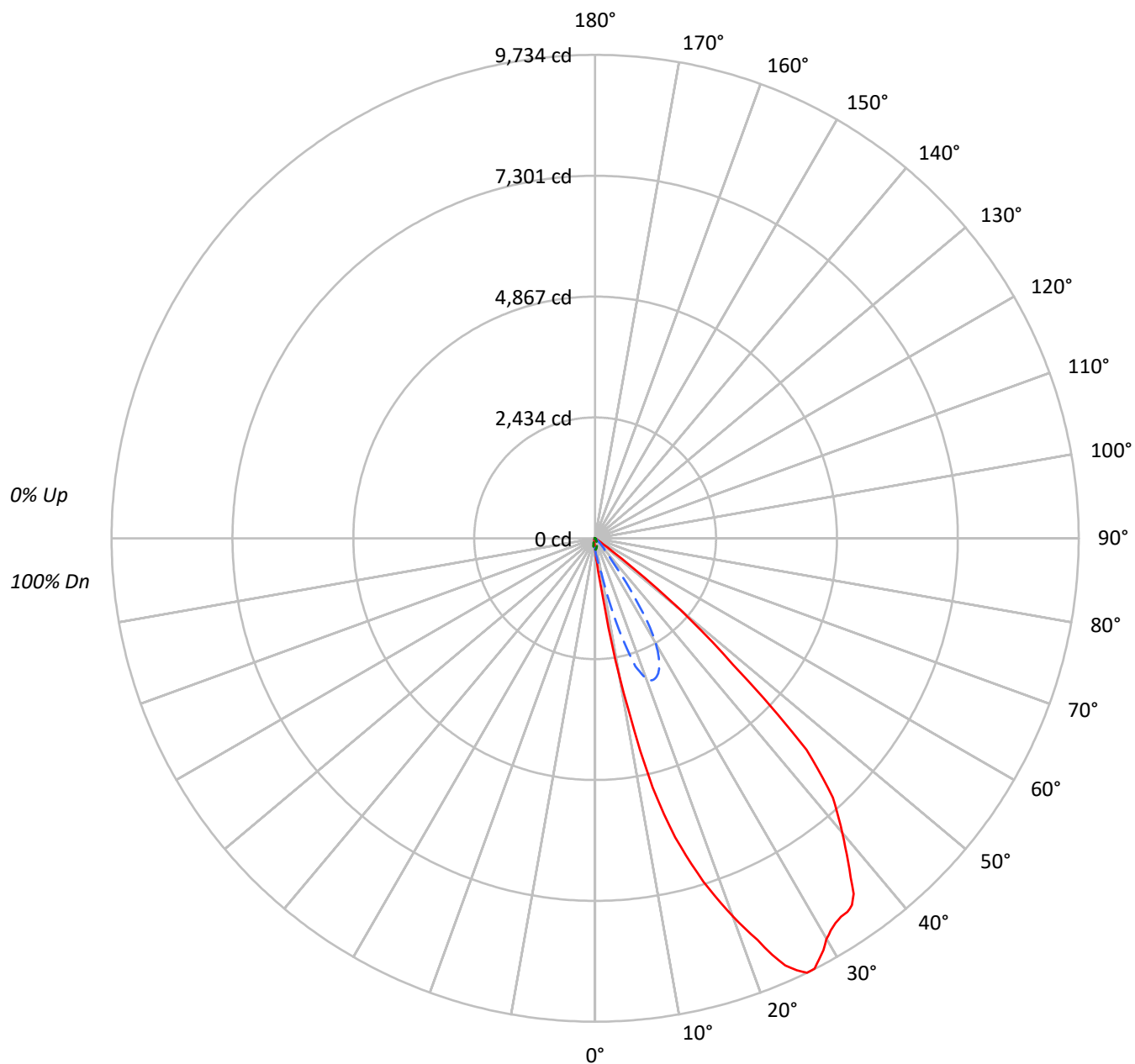
Input Watts (W): 44.62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	9946	9946	9946
5°	24376	9487	5243
10°	123548	7870	3830
15°	277931	5964	3044
20°	371202	4188	2557
25°	456069	2926	2242
30°	463168	2009	2058
35°	473887	1267	1824
40°	435169	759	1675
45°	366472	530	1522
50°	149894	449	1353
55°	7296	435	1013
60°	413	413	663
65°	102	489	591
70°	126	604	604
75°	0	965	649
80°	0	1438	719
85°	0	2865	939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	1.2
10°-20°	384.6	13.2
20°-30°	885.7	30.4
30°-40°	974.0	33.5
40°-50°	571.3	19.6
50°-60°	46.6	1.6
60°-70°	4.8	0.2
70°-80°	4.1	0.1
80°-90°	3.1	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°	1305.9	44.9
0°-40°	2279.8	78.4
0°-60°	2897.8	99.6
0°-90°	2909.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2909.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	231	231	231	231	231	
5°	564	389	220	136	121	119
15°	6235	2039	134	73	68	1760
25°	9600	3003	62	42	47	4302
35°	9016	1081	24	26	35	5492
45°	6019	120	9	16	25	4168
55°	97	6	6	11	14	388
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	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0
2.5°	356.1	348.4	346.5	345.5	339.8	342.7	344.6	339.8	339.8	339.8	329.2
5°	564.0	542.9	540.0	535.2	520.7	520.7	522.6	510.1	505.3	488.0	472.6
7.5°	1156.9	1077.1	1114.6	1093.4	1034.7	1015.5	1011.6	958.7	925.9	860.5	800.8
10°	2825.9	2646.9	2701.8	2644.0	2507.3	2420.7	2420.7	2272.5	2161.8	1967.4	1771.0
11°	3530.5	3418.8	3474.7	3407.3	3246.6	3139.7	3136.8	2962.6	2826.9	2587.2	2342.8
12°	4374.6	4203.3	4167.7	4184.0	4004.1	3881.8	3867.4	3675.8	3522.8	3245.6	2966.5
13°	5148.5	5033.0	4911.7	4919.4	4730.8	4605.6	4574.8	4373.7	4212.0	3911.7	3602.7
14°	5723.1	5658.6	5553.7	5542.2	5371.8	5245.7	5208.2	5003.1	4833.7	4531.5	4207.1
15°	6235.2	6174.5	6075.4	6049.4	5885.8	5757.8	5714.4	5500.8	5327.5	5042.6	4728.8
17.5°	7250.6	7211.2	7172.7	7068.7	6944.5	6757.8	6697.2	6448.8	6223.6	5966.6	5624.0
20°	8101.5	8048.5	7967.7	7883.0	7726.1	7524.0	7481.6	7182.3	6946.5	6690.4	6290.0
21°	8412.4	8360.4	8273.8	8176.6	7998.5	7784.8	7726.1	7410.4	7162.1	6896.4	6489.3
22°	8723.3	8674.2	8585.6	8462.4	8265.1	8025.4	7937.8	7604.8	7343.0	7050.4	6641.3
23°	9108.3	8992.8	8896.5	8745.4	8513.4	8242.0	8123.6	7764.6	7489.3	7184.2	6767.4
24°	9413.4	9296.0	9183.3	8999.5	8737.7	8436.4	8285.3	7903.2	7622.1	7292.0	6871.4
25°	9600.1	9539.5	9421.1	9212.2	8928.3	8599.1	8422.0	8016.8	7709.7	7382.5	6957.0
26°	9733.9	9670.4	9568.3	9349.9	9078.4	8743.5	8527.9	8112.1	7794.4	7441.2	7013.8
27°	9729.1	9690.6	9604.9	9412.4	9184.3	8843.6	8616.4	8175.6	7838.7	7471.0	7036.0
28°	9600.1	9600.1	9561.6	9405.7	9209.3	8887.8	8648.2	8187.1	7843.5	7464.3	7021.5
29°	9482.7	9452.8	9460.5	9338.3	9170.8	8857.0	8625.1	8153.5	7807.9	7421.0	6978.2
30°	9316.2	9307.5	9341.2	9243.0	9104.4	8791.6	8551.0	8083.2	7737.6	7349.8	6908.9
31°	9212.2	9189.1	9221.8	9140.0	8988.0	8667.4	8438.4	7982.1	7645.2	7258.3	6824.2
32°	9134.3	9106.3	9144.8	9039.0	8873.4	8556.7	8312.3	7871.4	7524.9	7157.2	6716.4
33°	9087.1	9078.4	9092.9	8949.4	8736.7	8406.6	8185.2	7753.0	7409.4	7043.7	6598.0
34°	9078.4	9060.1	9035.1	8829.1	8599.1	8264.1	8041.8	7621.2	7285.3	6909.9	6453.7
35°	9015.9	8975.4	8918.6	8662.6	8404.7	8084.2	7874.3	7469.1	7129.3	6750.1	6274.6
36°	8854.2	8785.8	8724.2	8457.6	8190.0	7890.7	7693.4	7296.8	6958.0	6566.3	6069.6
37°	8543.3	8520.2	8445.1	8217.9	7973.5	7685.7	7495.1	7116.8	6766.5	6355.5	5840.5
38°	8273.8	8248.7	8179.4	7974.4	7752.1	7475.8	7286.2	6884.9	6550.9	6118.7	5590.3
39°	8000.4	7978.3	7925.3	7702.0	7508.6	7248.7	7059.1	6657.7	6316.0	5855.9	5314.0
40°	7742.5	7720.3	7672.2	7450.8	7259.3	7011.9	6819.4	6410.3	6088.9	5570.1	4997.4
42.5°	7085.1	7010.0	6948.4	6735.7	6564.3	6307.4	6099.4	5678.8	5228.4	4678.8	4104.2
45°	6018.6	5925.2	5852.1	5715.4	5528.7	5330.4	5049.3	4595.0	4129.2	3597.9	2815.4
47.5°	3757.7	3626.8	3543.0	3387.1	3177.3	3041.5	2967.4	2727.8	2410.1	2175.3	1580.4
50°	2237.8	2141.6	2071.3	1845.1	1685.4	1487.1	1298.4	950.0	762.3	576.5	477.4
51°	1609.3	1530.4	1489.0	1302.3	1181.0	1039.5	906.7	661.2	532.3	402.3	332.1
52°	931.7	871.1	869.1	748.8	701.7	643.9	550.6	436.0	372.5	291.6	249.3
53°	433.1	397.5	404.3	348.4	330.1	322.4	319.6	254.1	248.3	217.5	183.8
54°	194.4	178.1	166.5	160.7	155.9	157.9	161.7	146.3	140.5	136.7	125.1
55°	97.2	88.6	83.7	88.6	78.9	79.9	82.8	77.0	75.1	75.1	73.2
57.5°	21.2	20.2	20.2	21.2	20.2	20.2	21.2	21.2	21.2	20.2	20.2
60°	4.8	4.8	4.8	4.8	5.8	5.8	5.8	5.8	6.7	7.7	7.7



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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	1.9	1.9	1.9
64°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
66°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
75°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.9
77.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
80°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.9
85°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0
2.5°	328.2	320.5	321.5	315.7	311.9	309.0	311.9	303.2	301.3	292.6	287.8
5°	468.7	450.5	444.7	431.2	415.8	408.1	405.2	388.9	380.2	363.8	354.2
7.5°	774.8	717.1	683.4	643.9	595.8	571.7	540.9	511.1	478.4	447.6	426.4
10°	1685.4	1501.5	1363.9	1222.4	1030.9	934.6	811.4	720.9	630.4	559.2	514.9
11°	2233.0	1999.1	1813.4	1617.0	1362.9	1225.3	1045.3	897.1	740.2	631.4	560.2
12°	2825.9	2545.8	2316.8	2060.7	1749.8	1565.0	1339.8	1143.5	925.0	757.5	635.3
13°	3423.7	3102.2	2837.5	2527.6	2174.3	1936.6	1670.9	1428.4	1155.0	941.3	764.2
14°	4002.1	3648.9	3355.3	2995.3	2612.3	2325.4	2023.2	1732.5	1410.1	1150.2	927.9
15°	4519.0	4145.5	3838.5	3449.6	3047.3	2715.3	2376.4	2038.6	1702.7	1371.6	1106.9
17.5°	5408.4	5015.7	4713.4	4304.4	3906.8	3528.6	3140.7	2701.8	2286.9	1875.9	1563.1
20°	6081.2	5607.6	5245.7	4761.6	4308.2	3881.8	3471.8	3024.2	2614.2	2170.5	1814.3
21°	6252.5	5761.6	5392.0	4906.9	4417.9	3967.5	3536.3	3066.6	2641.1	2193.6	1839.4
22°	6397.8	5905.0	5509.4	5000.3	4500.7	4024.3	3575.7	3082.0	2639.2	2177.2	1821.1
23°	6508.5	6007.0	5604.7	5082.1	4565.2	4065.7	3594.0	3075.2	2616.1	2143.5	1778.7
24°	6613.4	6100.4	5680.8	5133.1	4602.7	4072.4	3584.4	3048.3	2577.6	2092.5	1721.9
25°	6680.8	6163.0	5722.1	5158.1	4604.7	4054.1	3552.6	3003.0	2518.9	2023.2	1647.8
26°	6728.9	6192.8	5736.6	5149.4	4589.3	4017.5	3502.6	2935.7	2438.0	1937.5	1562.2
27°	6736.6	6190.9	5718.3	5119.6	4538.3	3948.2	3421.7	2841.3	2334.1	1838.4	1468.8
28°	6707.8	6155.3	5672.1	5061.9	4467.0	3855.8	3316.8	2727.8	2218.6	1728.7	1365.8
29°	6656.7	6095.6	5593.2	4967.5	4355.4	3731.7	3190.7	2595.9	2088.7	1604.5	1252.2
30°	6575.9	6009.0	5492.1	4856.8	4227.4	3591.1	3044.4	2441.9	1929.8	1452.4	1104.0
31°	6478.7	5897.3	5355.4	4704.8	4066.6	3425.6	2875.0	2236.9	1725.8	1260.9	926.9
32°	6352.6	5755.8	5198.5	4536.3	3886.6	3236.0	2643.1	1975.1	1483.2	1038.6	735.4
33°	6213.0	5598.9	5011.8	4318.8	3686.4	2981.9	2338.9	1678.6	1212.8	803.7	540.9
34°	6040.7	5411.3	4813.5	4097.4	3429.4	2651.7	1948.1	1359.1	933.6	574.6	367.7
35°	5841.5	5194.7	4572.9	3836.6	3083.9	2271.5	1584.3	1080.9	668.0	383.1	267.6
36°	5609.5	4959.8	4317.8	3498.7	2690.2	1874.0	1233.0	792.1	457.2	291.6	230.0
37°	5359.3	4697.1	3976.1	3146.5	2267.7	1482.3	917.3	557.3	345.5	258.9	199.2
38°	5078.2	4417.0	3589.2	2709.5	1843.2	1120.4	655.5	415.8	297.4	225.2	170.4
39°	4767.3	4071.4	3146.5	2249.4	1434.1	807.5	499.5	341.7	257.0	194.4	147.3
40°	4422.7	3584.4	2664.2	1795.1	1066.5	582.3	407.1	295.5	224.3	166.5	125.1
42.5°	3275.4	2377.4	1465.9	847.0	503.4	362.9	270.5	207.9	147.3	100.1	64.5
45°	1968.3	1213.7	643.0	439.9	318.6	243.5	174.2	120.3	70.3	43.3	29.8
47.5°	879.7	507.2	360.0	283.9	206.0	145.3	84.7	51.0	31.8	22.1	16.4
50°	342.7	278.2	214.6	163.6	99.1	57.8	36.6	24.1	16.4	11.6	7.7
51°	264.7	215.6	167.5	120.3	66.4	40.4	27.0	18.3	12.5	8.7	5.8
52°	203.1	165.6	126.1	80.9	45.2	30.8	21.2	13.5	9.6	5.8	4.8
53°	149.2	127.1	87.6	56.8	32.7	23.1	16.4	10.6	6.7	4.8	3.9
54°	103.0	87.6	55.8	35.6	24.1	17.3	11.6	7.7	4.8	3.9	3.9
55°	62.6	54.9	36.6	26.0	17.3	12.5	8.7	5.8	3.9	2.9	2.9
57.5°	19.3	17.3	14.4	11.6	7.7	5.8	3.9	2.9	2.9	2.9	2.9
60°	6.7	6.7	5.8	4.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9



TEST NUMBER: P208900

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
64°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9
65°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9
66°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9
67.5°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9
70°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9
72.5°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9
75°	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
77.5°	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
80°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
82.5°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
85°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
87.5°	1.9	1.9	1.9	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: P208900

CATALOG NUMBER: LDSQA6A30827D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0
2.5°	283.9	279.1	275.3	271.4	266.6	263.7	260.8	255.1	252.2	245.4	240.6
5°	343.6	333.0	322.4	311.9	302.2	294.5	286.8	276.2	268.5	257.0	247.4
7.5°	403.3	382.1	362.9	346.5	329.2	316.7	302.2	286.8	273.4	258.0	243.5
10°	470.7	431.2	398.5	369.6	344.6	324.4	305.1	283.9	267.6	247.4	231.0
11°	499.5	452.4	412.0	377.3	348.4	325.3	303.2	280.1	261.8	241.6	223.3
12°	541.9	472.6	425.4	385.0	350.4	324.4	300.3	275.3	256.0	234.9	216.6
13°	613.1	509.2	438.9	389.8	353.2	322.4	295.5	268.5	248.3	226.2	206.9
14°	731.5	573.7	466.8	398.5	353.2	320.5	289.7	260.8	238.7	216.6	197.3
15°	875.9	678.6	520.7	416.8	352.3	316.7	283.9	253.1	229.1	206.0	184.8
17.5°	1245.5	981.8	751.7	552.5	404.3	309.9	262.8	227.2	201.2	175.2	155.9
20°	1466.9	1166.6	908.6	678.6	488.0	339.8	244.5	198.3	170.4	147.3	129.0
21°	1493.8	1190.6	925.9	694.0	497.6	343.6	238.7	185.8	157.9	134.8	118.4
22°	1485.2	1183.9	918.2	685.3	488.0	335.0	228.1	174.2	146.3	124.2	107.8
23°	1442.8	1146.4	881.7	650.7	462.0	314.7	212.7	161.7	134.8	113.6	98.2
24°	1381.2	1083.8	825.8	599.6	415.8	279.1	190.6	148.2	123.2	104.0	91.4
25°	1308.1	1012.6	755.6	541.9	360.9	239.7	167.5	134.8	111.7	94.3	83.7
26°	1226.2	935.6	682.4	476.4	303.2	201.2	148.2	122.2	100.1	84.7	76.0
27°	1138.7	851.8	605.4	405.2	252.2	171.3	133.8	108.8	90.5	78.0	69.3
28°	1045.3	768.1	521.7	337.8	208.9	150.2	120.3	97.2	80.9	70.3	63.5
29°	940.4	669.9	440.8	276.2	172.3	132.8	106.8	86.6	73.2	64.5	58.7
30°	808.5	559.2	353.2	222.3	148.2	118.4	95.3	78.0	66.4	59.7	53.9
31°	658.4	435.1	268.5	176.1	129.0	104.9	84.7	70.3	60.6	54.9	49.1
32°	497.6	316.7	200.2	146.3	113.6	92.4	75.1	63.5	55.8	49.1	45.2
33°	350.4	226.2	161.7	127.1	99.1	80.9	67.4	57.8	51.0	44.3	40.4
34°	240.6	181.9	140.5	109.7	86.6	72.2	60.6	52.0	45.2	39.5	35.6
35°	203.1	158.8	121.3	94.3	75.1	63.5	53.9	46.2	39.5	34.7	30.8
36°	175.2	137.6	104.0	82.8	65.5	54.9	47.2	39.5	33.7	28.9	27.0
37°	151.1	118.4	89.5	71.2	55.8	46.2	38.5	32.7	28.9	25.0	23.1
38°	130.9	100.1	76.0	60.6	46.2	37.5	31.8	27.0	24.1	21.2	19.3
39°	111.7	83.7	61.6	48.1	36.6	30.8	26.0	23.1	20.2	18.3	16.4
40°	92.4	66.4	47.2	37.5	28.9	25.0	21.2	19.3	16.4	15.4	14.4
42.5°	43.3	31.8	25.0	21.2	17.3	15.4	13.5	11.6	10.6	9.6	9.6
45°	22.1	18.3	13.5	11.6	9.6	8.7	7.7	6.7	6.7	6.7	6.7
47.5°	11.6	8.7	6.7	5.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
50°	5.8	3.9	3.9	3.9	2.9	3.9	3.9	3.9	3.9	4.8	4.8
51°	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	4.8	4.8
52°	3.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	4.8	4.8
53°	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	4.8	4.8
54°	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	4.8	4.8
55°	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	4.8
57.5°	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9	4.8
60°	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9	3.9	4.8



TEST NUMBER: P208900

CATALOG NUMBER: LDSQA6A30827D010TE 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	4.8
64°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.8
65°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.8
66°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.8	4.8
67.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.8	4.8
70°	3.9	3.9	3.9	3.9	3.9	3.9	4.8	4.8	4.8	4.8	4.8
72.5°	3.9	3.9	3.9	3.9	3.9	4.8	4.8	4.8	4.8	4.8	4.8
75°	3.9	3.9	3.9	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	3.9	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	3.9	3.9	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	3.9	3.9	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	3.9	3.9	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	3.9	3.9	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
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: P208900

CATALOG NUMBER: LDSQA6A30827D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0
2.5°	240.6	232.0	232.9	228.1	190.6	170.4	159.8	152.1
5°	242.6	230.0	227.2	219.5	158.8	135.7	126.1	121.3
7.5°	235.8	219.5	213.7	203.1	134.8	113.6	105.9	102.0
10°	220.4	202.1	192.5	180.0	115.5	98.2	90.5	87.6
11°	212.7	193.5	183.8	171.3	108.8	92.4	85.7	82.8
12°	204.1	183.8	175.2	161.7	102.0	86.6	80.9	78.0
13°	194.4	174.2	165.6	153.0	95.3	81.8	77.0	74.1
14°	182.9	164.6	155.9	144.4	89.5	77.0	73.2	71.2
15°	172.3	155.0	145.3	133.8	84.7	73.2	70.3	68.3
17.5°	144.4	129.0	121.3	111.7	71.2	62.6	62.6	61.6
20°	118.4	104.9	99.1	91.4	59.7	54.9	55.8	55.8
21°	108.8	97.2	91.4	84.7	56.8	52.0	53.9	53.9
22°	99.1	88.6	84.7	78.0	52.9	49.1	52.0	52.0
23°	91.4	80.9	78.0	72.2	49.1	47.2	50.1	50.1
24°	83.7	75.1	71.2	66.4	46.2	44.3	48.1	49.1
25°	77.0	68.3	65.5	61.6	43.3	42.4	46.2	47.2
26°	70.3	62.6	60.6	56.8	40.4	40.4	44.3	46.2
27°	64.5	58.7	55.8	52.0	37.5	38.5	43.3	44.3
28°	59.7	53.9	51.0	48.1	34.7	36.6	41.4	43.3
29°	54.9	49.1	47.2	44.3	32.7	34.7	39.5	42.4
30°	50.1	45.2	43.3	40.4	30.8	32.7	38.5	41.4
31°	46.2	41.4	39.5	36.6	28.9	31.8	36.6	39.5
32°	41.4	37.5	35.6	33.7	27.0	29.8	35.6	38.5
33°	37.5	32.7	31.8	29.8	26.0	28.9	34.7	36.6
34°	32.7	28.9	27.9	27.0	24.1	27.0	32.7	35.6
35°	27.9	26.0	25.0	24.1	22.1	26.0	31.8	34.7
36°	25.0	22.1	22.1	21.2	21.2	25.0	30.8	33.7
37°	21.2	20.2	19.3	19.3	19.3	23.1	28.9	32.7
38°	18.3	17.3	17.3	17.3	18.3	22.1	27.9	31.8
39°	15.4	15.4	15.4	15.4	17.3	21.2	27.0	30.8
40°	13.5	13.5	13.5	13.5	16.4	20.2	26.0	29.8
42.5°	9.6	9.6	9.6	10.6	13.5	18.3	23.1	27.9
45°	7.7	7.7	7.7	8.7	12.5	16.4	21.2	25.0
47.5°	5.8	5.8	6.7	7.7	10.6	14.4	19.3	23.1
50°	4.8	5.8	5.8	6.7	9.6	13.5	16.4	20.2
51°	4.8	4.8	5.8	5.8	8.7	12.5	15.4	19.3
52°	4.8	4.8	5.8	5.8	8.7	11.6	15.4	17.3
53°	4.8	4.8	5.8	5.8	8.7	11.6	14.4	16.4
54°	4.8	4.8	5.8	5.8	7.7	10.6	13.5	15.4
55°	4.8	4.8	5.8	5.8	7.7	10.6	13.5	13.5
57.5°	4.8	4.8	4.8	5.8	6.7	9.6	11.6	11.6
60°	4.8	4.8	4.8	4.8	6.7	8.7	10.6	7.7



TEST NUMBER: P208900

CATALOG NUMBER: LDSQA6A30827D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.8	4.8	4.8	4.8	5.8	7.7	8.7	5.8
64°	4.8	4.8	4.8	5.8	5.8	7.7	7.7	5.8
65°	4.8	4.8	4.8	4.8	5.8	6.7	7.7	5.8
66°	4.8	4.8	4.8	4.8	5.8	6.7	6.7	5.8
67.5°	4.8	4.8	4.8	4.8	5.8	6.7	6.7	4.8
70°	4.8	4.8	4.8	4.8	5.8	5.8	5.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	5.8	4.8	3.9
75°	4.8	4.8	5.8	5.8	4.8	4.8	3.9	3.9
77.5°	4.8	4.8	5.8	5.8	4.8	4.8	3.9	2.9
80°	4.8	4.8	5.8	5.8	4.8	3.9	2.9	2.9
82.5°	4.8	4.8	5.8	5.8	4.8	3.9	2.9	1.9
85°	4.8	4.8	5.8	5.8	4.8	3.9	1.9	1.9
87.5°	4.8	4.8	5.8	5.8	4.8	2.9	1.9	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	4.8	4.8
62°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9





61°	4.8	4.8	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	4.8
62°	2.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.8





61°	4.8	4.8	4.8	4.8	6.7	8.7	9.6	6.7
62°	4.8	4.8	4.8	4.8	6.7	8.7	8.7	6.7



(END OF REPORT)