

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: P208892

Luminaire Tested: **LDSQA6A20827D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P208892  
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: LDSQA6A20827D010TE 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: 2091.4 lumens  
Efficiency: N/A  
Efficacy: 72.6 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

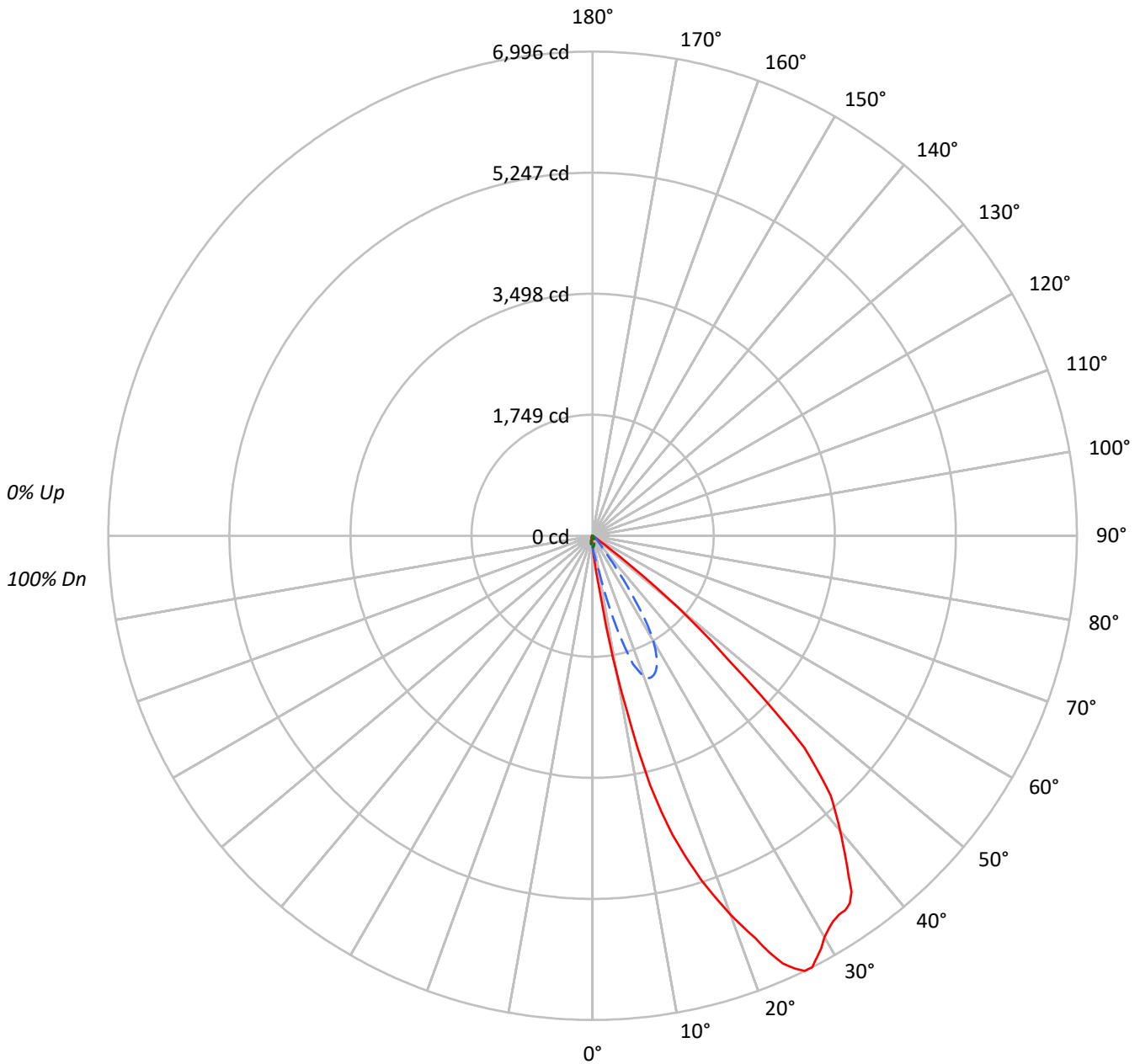
Input Watts (W): 28.81  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: LDSQA6A20827D010TE LAR35FL 6LSQA1H 30°

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91																			
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																			
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74																			
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66																			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60																			
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54																			
7	75	64	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48																			
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44																			
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39																			
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	7147	7147	7147
5°	17521	6816	3769
10°	88799	5657	2754
15°	199761	4288	2189
20°	266799	3010	1837
25°	327801	2105	1610
30°	332901	1447	1477
35°	340607	909	1309
40°	312776	545	1203
45°	263404	378	1096
50°	107742	322	971
55°	5247	315	728
60°	301	301	474
65°	71	357	428
70°	88	441	441
75°	0	699	466
80°	0	1041	521
85°	0	2075	692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.5	1.2
10°-20°	276.4	13.2
20°-30°	636.6	30.4
30°-40°	700.1	33.5
40°-50°	410.6	19.6
50°-60°	33.5	1.6
60°-70°	3.4	0.2
70°-80°	2.9	0.1
80°-90°	2.3	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°	938.6	44.9
0°-40°	1638.6	78.4
0°-60°	2082.8	99.6
0°-90°	2091.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2091.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	166	166	166	166	166	
5°	405	280	158	98	87	85
15°	4482	1465	96	53	49	1265
25°	6900	2158	44	30	34	3092
35°	6480	777	17	19	25	3947
45°	4326	86	6	12	18	2996
55°	70	4	4	8	10	279
65°	1	2	4	5	4	1
75°	0	2	4	4	3	0
85°	0	2	4	3	1	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°	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0
2.5°	256.0	250.4	249.1	248.4	244.2	246.3	247.7	244.2	244.2	244.2	236.6
5°	405.4	390.2	388.1	384.6	374.3	374.3	375.7	366.7	363.2	350.7	339.7
7.5°	831.6	774.1	801.1	785.9	743.7	729.9	727.1	689.0	665.5	618.5	575.6
10°	2031.1	1902.5	1941.9	1900.4	1802.2	1739.9	1739.9	1633.4	1553.8	1414.1	1272.9
11°	2537.5	2457.3	2497.4	2449.0	2333.5	2256.7	2254.6	2129.4	2031.8	1859.6	1683.9
12°	3144.3	3021.1	2995.5	3007.3	2877.9	2790.1	2779.7	2642.0	2532.0	2332.8	2132.1
13°	3700.5	3617.5	3530.3	3535.8	3400.2	3310.3	3288.2	3143.6	3027.3	2811.5	2589.4
14°	4113.5	4067.1	3991.7	3983.4	3861.0	3770.3	3743.4	3596.0	3474.3	3257.0	3023.9
15°	4481.5	4437.9	4366.7	4348.0	4230.4	4138.4	4107.3	3953.7	3829.1	3624.4	3398.8
17.5°	5211.4	5183.0	5155.3	5080.6	4991.4	4857.2	4813.6	4635.1	4473.2	4288.5	4042.2
20°	5822.9	5784.9	5726.8	5665.9	5553.1	5407.9	5377.4	5162.3	4992.8	4808.7	4521.0
21°	6046.4	6009.0	5946.8	5876.9	5748.9	5595.3	5553.1	5326.2	5147.7	4956.8	4664.2
22°	6269.8	6234.6	6170.9	6082.4	5940.5	5768.3	5705.3	5466.0	5277.8	5067.5	4773.5
23°	6546.6	6463.5	6394.4	6285.8	6119.0	5923.9	5838.8	5580.8	5382.9	5163.6	4864.1
24°	6765.9	6681.5	6600.5	6468.4	6280.2	6063.7	5955.1	5680.4	5478.4	5241.1	4938.8
25°	6900.1	6856.5	6771.4	6621.3	6417.2	6180.6	6053.3	5762.1	5541.4	5306.2	5000.4
26°	6996.2	6950.6	6877.2	6720.2	6525.1	6284.4	6129.4	5830.5	5602.2	5348.4	5041.2
27°	6992.8	6965.1	6903.5	6765.2	6601.2	6356.3	6193.1	5876.2	5634.1	5369.8	5057.1
28°	6900.1	6900.1	6872.4	6760.3	6619.2	6388.1	6215.9	5884.5	5637.5	5365.0	5046.7
29°	6815.7	6794.2	6799.8	6711.9	6591.5	6366.0	6199.3	5860.3	5611.9	5333.8	5015.6
30°	6696.0	6689.8	6714.0	6643.4	6543.8	6319.0	6146.0	5809.8	5561.4	5282.6	4965.8
31°	6621.3	6604.7	6628.2	6569.4	6460.1	6229.7	6065.1	5737.2	5495.0	5216.9	4904.9
32°	6565.2	6545.2	6572.9	6496.8	6377.8	6150.2	5974.4	5657.6	5408.5	5144.3	4827.4
33°	6531.3	6525.1	6535.5	6432.4	6279.5	6042.2	5883.1	5572.5	5325.5	5062.6	4742.3
34°	6525.1	6512.0	6494.0	6345.9	6180.6	5939.9	5780.0	5477.7	5236.3	4966.5	4638.6
35°	6480.2	6451.1	6410.3	6226.3	6040.9	5810.5	5659.7	5368.4	5124.2	4851.6	4509.9
36°	6363.9	6314.8	6270.5	6078.9	5886.6	5671.4	5529.6	5244.6	5001.1	4719.5	4362.5
37°	6140.5	6123.9	6069.9	5906.6	5730.9	5524.1	5387.1	5115.2	4863.4	4568.0	4197.9
38°	5946.8	5928.8	5879.0	5731.6	5571.8	5373.3	5237.0	4948.5	4708.4	4397.8	4018.0
39°	5750.3	5734.4	5696.3	5535.8	5396.8	5210.0	5073.7	4785.2	4539.6	4209.0	3819.5
40°	5564.9	5549.0	5514.4	5355.3	5217.6	5039.8	4901.4	4607.4	4376.4	4003.5	3591.9
42.5°	5092.4	5038.4	4994.2	4841.3	4718.1	4533.4	4384.0	4081.7	3757.9	3362.9	2949.9
45°	4325.9	4258.8	4206.2	4107.9	3973.7	3831.2	3629.2	3302.7	2967.9	2586.0	2023.5
47.5°	2700.8	2606.7	2546.5	2434.5	2283.7	2186.1	2132.8	1960.6	1732.3	1563.5	1135.9
50°	1608.5	1539.3	1488.8	1326.2	1211.4	1068.8	933.2	682.8	547.9	414.4	343.1
51°	1156.7	1100.0	1070.2	936.0	848.8	747.2	651.7	475.3	382.6	289.2	238.7
52°	669.7	626.1	624.7	538.2	504.3	462.8	395.7	313.4	267.7	209.6	179.2
53°	311.3	285.7	290.6	250.4	237.3	231.8	229.7	182.6	178.5	156.3	132.1
54°	139.7	128.0	119.7	115.5	112.1	113.5	116.2	105.2	101.0	98.2	89.9
55°	69.9	63.6	60.2	63.6	56.7	57.4	59.5	55.3	54.0	54.0	52.6
57.5°	15.2	14.5	14.5	15.2	14.5	14.5	15.2	15.2	15.2	14.5	14.5
60°	3.5	3.5	3.5	3.5	4.2	4.2	4.2	4.2	4.8	5.5	5.5



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
64°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
66°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
80°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
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°	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0
2.5°	235.9	230.4	231.1	226.9	224.1	222.1	224.1	217.9	216.5	210.3	206.9
5°	336.9	323.8	319.6	309.9	298.9	293.3	291.3	279.5	273.3	261.5	254.6
7.5°	556.9	515.4	491.2	462.8	428.2	410.9	388.8	367.3	343.8	321.7	306.5
10°	1211.4	1079.2	980.3	878.6	740.9	671.7	583.2	518.2	453.1	401.9	370.1
11°	1605.0	1436.9	1303.4	1162.2	979.6	880.7	751.3	644.8	532.0	453.8	402.6
12°	2031.1	1829.8	1665.2	1481.2	1257.7	1124.9	963.0	821.9	664.8	544.5	456.6
13°	2460.8	2229.7	2039.4	1816.7	1562.8	1391.9	1201.0	1026.6	830.2	676.6	549.3
14°	2876.5	2622.6	2411.6	2152.9	1877.6	1671.4	1454.2	1245.3	1013.5	826.7	666.9
15°	3248.0	2979.6	2758.9	2479.4	2190.3	1951.6	1708.1	1465.2	1223.8	985.8	795.6
17.5°	3887.3	3605.0	3387.8	3093.8	2808.0	2536.2	2257.4	1941.9	1643.7	1348.3	1123.5
20°	4370.8	4030.5	3770.3	3422.4	3096.5	2790.1	2495.3	2173.7	1878.9	1560.0	1304.1
21°	4494.0	4141.2	3875.5	3526.8	3175.4	2851.6	2541.7	2204.1	1898.3	1576.6	1322.0
22°	4598.4	4244.2	3959.9	3593.9	3234.9	2892.4	2570.1	2215.2	1896.9	1564.9	1308.9
23°	4678.0	4317.6	4028.4	3652.7	3281.2	2922.2	2583.2	2210.3	1880.3	1540.7	1278.5
24°	4753.4	4384.7	4083.0	3689.4	3308.2	2927.0	2576.3	2191.0	1852.7	1504.0	1237.6
25°	4801.8	4429.6	4112.8	3707.4	3309.6	2913.9	2553.5	2158.4	1810.5	1454.2	1184.4
26°	4836.4	4451.1	4123.2	3701.2	3298.5	2887.6	2517.5	2110.0	1752.3	1392.6	1122.8
27°	4842.0	4449.7	4110.0	3679.7	3261.9	2837.8	2459.4	2042.2	1677.6	1321.4	1055.7
28°	4821.2	4424.1	4076.8	3638.2	3210.7	2771.4	2384.0	1960.6	1594.6	1242.5	981.7
29°	4784.5	4381.2	4020.1	3570.4	3130.4	2682.1	2293.3	1865.8	1501.2	1153.2	900.0
30°	4726.4	4318.9	3947.4	3490.9	3038.4	2581.1	2188.2	1755.1	1387.1	1043.9	793.5
31°	4656.5	4238.7	3849.2	3381.6	2922.9	2462.1	2066.4	1607.8	1240.4	906.3	666.2
32°	4565.9	4137.0	3736.4	3260.5	2793.5	2325.9	1899.7	1419.6	1066.1	746.5	528.5
33°	4465.6	4024.2	3602.2	3104.1	2649.6	2143.2	1681.1	1206.5	871.7	577.7	388.8
34°	4341.8	3889.3	3459.7	2945.0	2464.9	1905.9	1400.2	976.8	671.1	413.0	264.3
35°	4198.6	3733.7	3286.8	2757.5	2216.5	1632.7	1138.7	776.9	480.1	275.3	192.3
36°	4031.8	3564.9	3103.4	2514.7	1933.6	1346.9	886.2	569.4	328.6	209.6	165.3
37°	3852.0	3376.0	2857.9	2261.5	1629.9	1065.4	659.3	400.6	248.4	186.1	143.2
38°	3650.0	3174.7	2579.7	1947.4	1324.8	805.3	471.1	298.9	213.8	161.9	122.4
39°	3426.5	2926.3	2261.5	1616.8	1030.8	580.4	359.0	245.6	184.7	139.7	105.8
40°	3178.9	2576.3	1914.9	1290.2	766.5	418.5	292.6	212.4	161.2	119.7	89.9
42.5°	2354.2	1708.8	1053.6	608.8	361.8	260.8	194.4	149.4	105.8	71.9	46.4
45°	1414.7	872.4	462.1	316.2	229.0	175.0	125.2	86.5	50.5	31.1	21.4
47.5°	632.3	364.6	258.7	204.1	148.0	104.5	60.9	36.7	22.8	15.9	11.8
50°	246.3	199.9	154.3	117.6	71.3	41.5	26.3	17.3	11.8	8.3	5.5
51°	190.2	155.0	120.4	86.5	47.7	29.1	19.4	13.1	9.0	6.2	4.2
52°	146.0	119.0	90.6	58.1	32.5	22.1	15.2	9.7	6.9	4.2	3.5
53°	107.2	91.3	63.0	40.8	23.5	16.6	11.8	7.6	4.8	3.5	2.8
54°	74.0	63.0	40.1	25.6	17.3	12.5	8.3	5.5	3.5	2.8	2.8
55°	45.0	39.4	26.3	18.7	12.5	9.0	6.2	4.2	2.8	2.1	2.1
57.5°	13.8	12.5	10.4	8.3	5.5	4.2	2.8	2.1	2.1	2.1	2.1
60°	4.8	4.8	4.2	3.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1





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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°	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
64°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.8
65°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.8
66°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.8
67.5°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.8
70°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.8	2.8
72.5°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.8	2.8
75°	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8
77.5°	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.8	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.8	2.8	2.8
87.5°	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8
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: P208892

CATALOG NUMBER: LDSQA6A20827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0
2.5°	204.1	200.6	197.9	195.1	191.6	189.6	187.5	183.3	181.3	176.4	173.0
5°	247.0	239.4	231.8	224.1	217.2	211.7	206.2	198.5	193.0	184.7	177.8
7.5°	289.9	274.6	260.8	249.1	236.6	227.6	217.2	206.2	196.5	185.4	175.0
10°	338.3	309.9	286.4	265.7	247.7	233.1	219.3	204.1	192.3	177.8	166.0
11°	359.0	325.1	296.1	271.2	250.4	233.8	217.9	201.3	188.2	173.6	160.5
12°	389.5	339.7	305.8	276.7	251.8	233.1	215.8	197.9	184.0	168.8	155.7
13°	440.7	366.0	315.5	280.2	253.9	231.8	212.4	193.0	178.5	162.6	148.7
14°	525.8	412.3	335.5	286.4	253.9	230.4	208.2	187.5	171.6	155.7	141.8
15°	629.5	487.7	374.3	299.6	253.2	227.6	204.1	181.9	164.6	148.0	132.8
17.5°	895.2	705.6	540.3	397.1	290.6	222.8	188.9	163.3	144.6	125.9	112.1
20°	1054.3	838.5	653.1	487.7	350.7	244.2	175.7	142.5	122.4	105.8	92.7
21°	1073.7	855.8	665.5	498.8	357.7	247.0	171.6	133.5	113.5	96.9	85.1
22°	1067.5	850.9	660.0	492.6	350.7	240.7	164.0	125.2	105.2	89.2	77.5
23°	1037.0	823.9	633.7	467.7	332.1	226.2	152.9	116.2	96.9	81.6	70.6
24°	992.7	779.0	593.6	431.0	298.9	200.6	137.0	106.5	88.6	74.7	65.7
25°	940.2	727.8	543.1	389.5	259.4	172.3	120.4	96.9	80.2	67.8	60.2
26°	881.4	672.4	490.5	342.4	217.9	144.6	106.5	87.9	71.9	60.9	54.7
27°	818.4	612.2	435.1	291.3	181.3	123.1	96.2	78.2	65.0	56.0	49.8
28°	751.3	552.1	375.0	242.8	150.1	107.9	86.5	69.9	58.1	50.5	45.7
29°	675.9	481.5	316.8	198.5	123.8	95.5	76.8	62.3	52.6	46.4	42.2
30°	581.1	401.9	253.9	159.8	106.5	85.1	68.5	56.0	47.7	42.9	38.7
31°	473.2	312.7	193.0	126.6	92.7	75.4	60.9	50.5	43.6	39.4	35.3
32°	357.7	227.6	143.9	105.2	81.6	66.4	54.0	45.7	40.1	35.3	32.5
33°	251.8	162.6	116.2	91.3	71.3	58.1	48.4	41.5	36.7	31.8	29.1
34°	173.0	130.8	101.0	78.9	62.3	51.9	43.6	37.4	32.5	28.4	25.6
35°	146.0	114.1	87.2	67.8	54.0	45.7	38.7	33.2	28.4	24.9	22.1
36°	125.9	98.9	74.7	59.5	47.0	39.4	33.9	28.4	24.2	20.8	19.4
37°	108.6	85.1	64.3	51.2	40.1	33.2	27.7	23.5	20.8	18.0	16.6
38°	94.1	71.9	54.7	43.6	33.2	27.0	22.8	19.4	17.3	15.2	13.8
39°	80.2	60.2	44.3	34.6	26.3	22.1	18.7	16.6	14.5	13.1	11.8
40°	66.4	47.7	33.9	27.0	20.8	18.0	15.2	13.8	11.8	11.1	10.4
42.5°	31.1	22.8	18.0	15.2	12.5	11.1	9.7	8.3	7.6	6.9	6.9
45°	15.9	13.1	9.7	8.3	6.9	6.2	5.5	4.8	4.8	4.8	4.8
47.5°	8.3	6.2	4.8	4.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
50°	4.2	2.8	2.8	2.8	2.1	2.8	2.8	2.8	2.8	3.5	3.5
51°	2.8	2.8	2.1	2.1	2.1	2.8	2.8	2.8	2.8	3.5	3.5
52°	2.8	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8	3.5	3.5
53°	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8	3.5	3.5
54°	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8	3.5	3.5
55°	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8	3.5
57.5°	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8	3.5
60°	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.8	3.5



TEST NUMBER: P208892

CATALOG NUMBER: LDSQA6A20827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5
64°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5
65°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5
66°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5	3.5
67.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5	3.5
70°	2.8	2.8	2.8	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5
72.5°	2.8	2.8	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5
75°	2.8	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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: P208892

CATALOG NUMBER: LDSQA6A20827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0
2.5°	173.0	166.7	167.4	164.0	137.0	122.4	114.8	109.3
5°	174.3	165.3	163.3	157.7	114.1	97.5	90.6	87.2
7.5°	169.5	157.7	153.6	146.0	96.9	81.6	76.1	73.3
10°	158.4	145.3	138.4	129.4	83.0	70.6	65.0	63.0
11°	152.9	139.1	132.1	123.1	78.2	66.4	61.6	59.5
12°	146.7	132.1	125.9	116.2	73.3	62.3	58.1	56.0
13°	139.7	125.2	119.0	110.0	68.5	58.8	55.3	53.3
14°	131.4	118.3	112.1	103.8	64.3	55.3	52.6	51.2
15°	123.8	111.4	104.5	96.2	60.9	52.6	50.5	49.1
17.5°	103.8	92.7	87.2	80.2	51.2	45.0	45.0	44.3
20°	85.1	75.4	71.3	65.7	42.9	39.4	40.1	40.1
21°	78.2	69.9	65.7	60.9	40.8	37.4	38.7	38.7
22°	71.3	63.6	60.9	56.0	38.0	35.3	37.4	37.4
23°	65.7	58.1	56.0	51.9	35.3	33.9	36.0	36.0
24°	60.2	54.0	51.2	47.7	33.2	31.8	34.6	35.3
25°	55.3	49.1	47.0	44.3	31.1	30.4	33.2	33.9
26°	50.5	45.0	43.6	40.8	29.1	29.1	31.8	33.2
27°	46.4	42.2	40.1	37.4	27.0	27.7	31.1	31.8
28°	42.9	38.7	36.7	34.6	24.9	26.3	29.7	31.1
29°	39.4	35.3	33.9	31.8	23.5	24.9	28.4	30.4
30°	36.0	32.5	31.1	29.1	22.1	23.5	27.7	29.7
31°	33.2	29.7	28.4	26.3	20.8	22.8	26.3	28.4
32°	29.7	27.0	25.6	24.2	19.4	21.4	25.6	27.7
33°	27.0	23.5	22.8	21.4	18.7	20.8	24.9	26.3
34°	23.5	20.8	20.1	19.4	17.3	19.4	23.5	25.6
35°	20.1	18.7	18.0	17.3	15.9	18.7	22.8	24.9
36°	18.0	15.9	15.9	15.2	15.2	18.0	22.1	24.2
37°	15.2	14.5	13.8	13.8	13.8	16.6	20.8	23.5
38°	13.1	12.5	12.5	12.5	13.1	15.9	20.1	22.8
39°	11.1	11.1	11.1	11.1	12.5	15.2	19.4	22.1
40°	9.7	9.7	9.7	9.7	11.8	14.5	18.7	21.4
42.5°	6.9	6.9	6.9	7.6	9.7	13.1	16.6	20.1
45°	5.5	5.5	5.5	6.2	9.0	11.8	15.2	18.0
47.5°	4.2	4.2	4.8	5.5	7.6	10.4	13.8	16.6
50°	3.5	4.2	4.2	4.8	6.9	9.7	11.8	14.5
51°	3.5	3.5	4.2	4.2	6.2	9.0	11.1	13.8
52°	3.5	3.5	4.2	4.2	6.2	8.3	11.1	12.5
53°	3.5	3.5	4.2	4.2	6.2	8.3	10.4	11.8
54°	3.5	3.5	4.2	4.2	5.5	7.6	9.7	11.1
55°	3.5	3.5	4.2	4.2	5.5	7.6	9.7	9.7
57.5°	3.5	3.5	3.5	4.2	4.8	6.9	8.3	8.3
60°	3.5	3.5	3.5	3.5	4.8	6.2	7.6	5.5



TEST NUMBER: P208892

CATALOG NUMBER: LDSQA6A20827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.5	3.5	3.5	3.5	4.2	5.5	6.2	4.2
64°	3.5	3.5	3.5	4.2	4.2	5.5	5.5	4.2
65°	3.5	3.5	3.5	3.5	4.2	4.8	5.5	4.2
66°	3.5	3.5	3.5	3.5	4.2	4.8	4.8	4.2
67.5°	3.5	3.5	3.5	3.5	4.2	4.8	4.8	3.5
70°	3.5	3.5	3.5	3.5	4.2	4.2	4.2	3.5
72.5°	3.5	3.5	3.5	3.5	3.5	4.2	3.5	2.8
75°	3.5	3.5	4.2	4.2	3.5	3.5	2.8	2.8
77.5°	3.5	3.5	4.2	4.2	3.5	3.5	2.8	2.1
80°	3.5	3.5	4.2	4.2	3.5	2.8	2.1	2.1
82.5°	3.5	3.5	4.2	4.2	3.5	2.8	2.1	1.4
85°	3.5	3.5	4.2	4.2	3.5	2.8	1.4	1.4
87.5°	3.5	3.5	4.2	4.2	3.5	2.1	1.4	0.7
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8	3.5	3.5
62°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1





61°	3.5	3.5	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
62°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1





61°	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5
62°	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5







61°	3.5	3.5	3.5	3.5	4.8	6.2	6.9	4.8
62°	3.5	3.5	3.5	3.5	4.8	6.2	6.2	4.8



(END OF REPORT)