

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: P208897

Luminaire Tested: **LDSQA6A20930D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P208897  
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: LDSQA6A20930D010TE LAR35FL 6LSQA1H 30°  
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,  
SELF-FLANGED, 35° FLOOD, 30° Tilt  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1756.2 lumens  
Efficiency: N/A  
Efficacy: 61.0 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

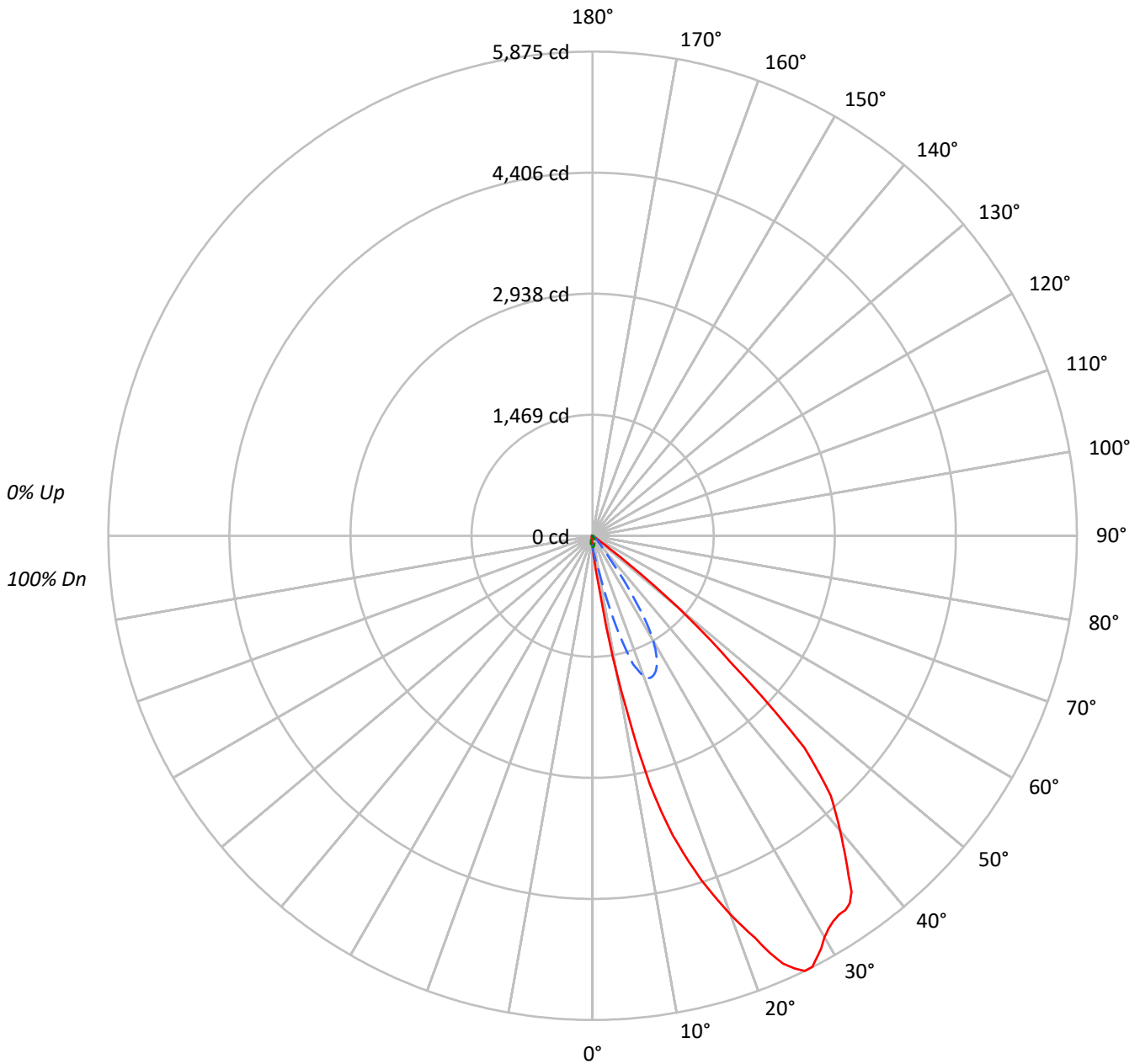
Input Watts (W): 28.81  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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°	6002	6002	6002
5°	14712	5727	3164
10°	74573	4748	2313
15°	167752	3602	1836
20°	224045	2529	1544
25°	275268	1767	1354
30°	279555	1213	1243
35°	286023	762	1099
40°	262652	455	1012
45°	221189	317	919
50°	90474	275	817
55°	4406	263	608
60°	250	250	396
65°	61	295	357
70°	76	365	365
75°	0	582	383
80°	0	868	422
85°	0	1729	593



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	1.2
10°-20°	232.1	13.2
20°-30°	534.6	30.4
30°-40°	587.9	33.5
40°-50°	344.8	19.6
50°-60°	28.1	1.6
60°-70°	2.9	0.2
70°-80°	2.4	0.1
80°-90°	1.9	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°	788.2	44.9
0°-40°	1376.0	78.4
0°-60°	1749.0	99.6
0°-90°	1756.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1756.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	139	139	139	139	139	
5°	340	235	132	82	73	72
15°	3763	1230	81	44	41	1062
25°	5794	1812	37	26	28	2596
35°	5442	652	14	16	21	3315
45°	3633	73	5	10	15	2516
55°	59	4	4	6	8	234
65°	1	2	3	4	4	1
75°	0	2	4	3	2	0
85°	0	2	4	2	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°	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4
2.5°	214.9	210.3	209.1	208.6	205.1	206.8	208.0	205.1	205.1	205.1	198.7
5°	340.4	327.7	325.9	323.0	314.3	314.3	315.5	307.9	305.0	294.5	285.2
7.5°	698.3	650.1	672.7	660.0	624.5	612.9	610.6	578.6	558.9	519.4	483.3
10°	1705.7	1597.6	1630.7	1595.9	1513.4	1461.1	1461.1	1371.6	1304.8	1187.4	1068.9
11°	2130.9	2063.5	2097.2	2056.5	1959.5	1895.0	1893.3	1788.1	1706.2	1561.6	1414.0
12°	2640.4	2537.0	2515.5	2525.4	2416.7	2342.9	2334.2	2218.6	2126.3	1958.9	1790.5
13°	3107.5	3037.8	2964.6	2969.2	2855.3	2779.8	2761.2	2639.8	2542.2	2361.0	2174.5
14°	3454.3	3415.4	3352.0	3345.1	3242.2	3166.1	3143.5	3019.7	2917.5	2735.1	2539.3
15°	3763.4	3726.8	3666.9	3651.2	3552.5	3475.2	3449.1	3320.1	3215.5	3043.6	2854.2
17.5°	4376.2	4352.4	4329.2	4266.5	4191.5	4078.8	4042.2	3892.3	3756.4	3601.3	3394.5
20°	4889.8	4857.9	4809.1	4757.9	4663.2	4541.2	4515.7	4335.0	4192.7	4038.1	3796.5
21°	5077.4	5046.1	4993.8	4935.1	4827.6	4698.7	4663.2	4472.7	4322.8	4162.5	3916.7
22°	5265.1	5235.5	5182.0	5107.7	4988.6	4843.9	4791.0	4590.0	4432.0	4255.4	4008.5
23°	5497.5	5427.8	5369.7	5278.5	5138.4	4974.6	4903.2	4686.5	4520.3	4336.2	4084.6
24°	5681.6	5610.8	5542.8	5431.8	5273.8	5092.0	5000.8	4770.1	4600.5	4401.2	4147.4
25°	5794.3	5757.7	5686.3	5560.2	5388.8	5190.2	5083.3	4838.7	4653.4	4455.8	4199.1
26°	5875.1	5836.7	5775.2	5643.3	5479.5	5277.3	5147.2	4896.2	4704.5	4491.3	4233.3
27°	5872.2	5848.9	5797.2	5681.0	5543.4	5337.7	5200.6	4934.5	4731.2	4509.3	4246.7
28°	5794.3	5794.3	5771.1	5677.0	5558.5	5364.4	5219.8	4941.5	4734.1	4505.2	4238.0
29°	5723.5	5705.4	5710.1	5636.3	5535.2	5345.8	5205.8	4921.2	4712.6	4479.1	4211.8
30°	5623.0	5617.7	5638.1	5578.8	5495.1	5306.3	5161.1	4878.8	4670.2	4436.1	4170.0
31°	5560.2	5546.3	5566.0	5516.6	5424.9	5231.4	5093.1	4817.8	4614.4	4380.9	4118.9
32°	5513.2	5496.3	5519.5	5455.6	5355.7	5164.6	5017.0	4751.0	4541.8	4319.9	4053.8
33°	5484.7	5479.5	5488.2	5401.6	5273.2	5074.0	4940.3	4679.5	4472.1	4251.3	3982.4
34°	5479.5	5468.4	5453.3	5329.0	5190.2	4988.0	4853.8	4599.9	4397.2	4170.6	3895.2
35°	5441.7	5417.3	5383.0	5228.5	5072.8	4879.3	4752.7	4508.1	4303.1	4074.2	3787.2
36°	5344.1	5302.9	5265.7	5104.8	4943.3	4762.6	4643.5	4404.1	4199.6	3963.2	3663.4
37°	5156.5	5142.5	5097.2	4960.1	4812.5	4638.8	4523.8	4295.5	4084.0	3836.0	3525.2
38°	4993.8	4978.7	4936.9	4813.1	4678.9	4512.2	4397.7	4155.5	3953.9	3693.1	3374.1
39°	4828.8	4815.4	4783.5	4648.7	4531.9	4375.1	4260.6	4018.4	3812.2	3534.5	3207.4
40°	4673.1	4659.8	4630.7	4497.1	4381.5	4232.2	4116.0	3869.1	3675.1	3361.9	3016.3
42.5°	4276.3	4231.0	4193.8	4065.4	3962.0	3806.9	3681.4	3427.6	3155.7	2824.0	2477.1
45°	3632.6	3576.3	3532.1	3449.6	3336.9	3217.3	3047.6	2773.4	2492.2	2171.6	1699.3
47.5°	2268.0	2189.0	2138.5	2044.3	1917.7	1835.8	1791.0	1646.4	1454.7	1312.9	953.9
50°	1350.7	1292.6	1250.2	1113.7	1017.2	897.6	783.7	573.4	460.1	348.0	288.1
51°	971.3	923.7	898.7	786.0	712.8	627.4	547.2	399.1	321.3	242.8	200.4
52°	562.4	525.8	524.6	452.0	423.5	388.7	332.3	263.2	224.8	176.0	150.5
53°	261.4	239.9	244.0	210.3	199.3	194.6	192.9	153.4	149.9	131.3	111.0
54°	117.4	107.5	100.5	97.0	94.1	95.3	97.6	88.3	84.8	82.5	75.5
55°	58.7	53.4	50.5	53.4	47.6	48.2	50.0	46.5	45.3	45.3	44.2
57.5°	12.8	12.2	12.2	12.8	12.2	12.2	12.8	12.8	12.8	12.2	12.2
60°	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	4.1	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
64°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
66°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
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°	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4
2.5°	198.1	193.5	194.0	190.5	188.2	186.5	188.2	183.0	181.8	176.6	173.7
5°	282.9	271.9	268.4	260.3	251.0	246.3	244.6	234.7	229.5	219.6	213.8
7.5°	467.7	432.8	412.5	388.7	359.6	345.1	326.5	308.5	288.7	270.1	257.4
10°	1017.2	906.3	823.2	737.8	622.2	564.1	489.7	435.1	380.5	337.5	310.8
11°	1347.8	1206.6	1094.5	976.0	822.6	739.5	630.9	541.4	446.7	381.1	338.1
12°	1705.7	1536.6	1398.3	1243.8	1056.2	944.6	808.7	690.2	558.3	457.2	383.4
13°	2066.4	1872.4	1712.6	1525.6	1312.4	1168.9	1008.5	862.1	697.1	568.2	461.3
14°	2415.6	2202.4	2025.2	1807.9	1576.7	1403.6	1221.1	1045.7	851.1	694.2	560.0
15°	2727.5	2502.1	2316.8	2082.1	1839.3	1638.8	1434.4	1230.4	1027.7	827.8	668.1
17.5°	3264.3	3027.3	2844.9	2598.0	2358.1	2129.7	1895.6	1630.7	1380.3	1132.3	943.5
20°	3670.4	3384.6	3166.1	2873.9	2600.3	2342.9	2095.5	1825.3	1577.8	1310.0	1095.1
21°	3773.8	3477.5	3254.4	2961.7	2666.5	2394.7	2134.4	1850.9	1594.1	1324.0	1110.2
22°	3861.5	3564.1	3325.3	3018.0	2716.5	2428.9	2158.2	1860.2	1592.9	1314.1	1099.1
23°	3928.3	3625.7	3382.8	3067.4	2755.4	2453.9	2169.2	1856.1	1579.0	1293.8	1073.6
24°	3991.7	3682.0	3428.7	3098.2	2778.1	2458.0	2163.4	1839.8	1555.8	1263.0	1039.3
25°	4032.3	3719.8	3453.7	3113.3	2779.2	2446.9	2144.3	1812.5	1520.3	1221.1	994.6
26°	4061.4	3737.8	3462.4	3108.0	2769.9	2424.9	2114.1	1771.9	1471.5	1169.4	942.9
27°	4066.0	3736.6	3451.4	3090.0	2739.2	2383.0	2065.3	1714.9	1408.8	1109.6	886.5
28°	4048.6	3715.1	3423.5	3055.2	2696.2	2327.3	2001.9	1646.4	1339.1	1043.4	824.4
29°	4017.8	3679.1	3375.9	2998.3	2628.8	2252.3	1925.8	1566.8	1260.6	968.4	755.8
30°	3969.0	3626.8	3314.9	2931.4	2551.5	2167.5	1837.5	1473.9	1164.8	876.6	666.3
31°	3910.3	3559.4	3232.4	2839.7	2454.5	2067.6	1735.3	1350.1	1041.6	761.0	559.4
32°	3834.2	3474.0	3137.7	2738.0	2345.9	1953.1	1595.3	1192.1	895.2	626.8	443.8
33°	3750.0	3379.4	3025.0	2606.7	2225.0	1799.8	1411.7	1013.2	732.0	485.1	326.5
34°	3646.0	3266.1	2905.3	2473.1	2069.9	1600.5	1175.8	820.3	563.5	346.8	221.9
35°	3525.7	3135.4	2760.1	2315.6	1861.3	1371.0	956.2	652.4	403.2	231.2	161.5
36°	3385.7	2993.6	2606.1	2111.7	1623.7	1131.1	744.2	478.1	275.9	176.0	138.8
37°	3234.7	2835.0	2399.9	1899.1	1368.7	894.7	553.6	336.4	208.6	156.3	120.3
38°	3065.1	2666.0	2166.3	1635.4	1112.5	676.2	395.6	251.0	179.5	135.9	102.8
39°	2877.4	2457.4	1899.1	1357.7	865.6	487.4	301.5	206.2	155.1	117.4	88.9
40°	2669.4	2163.4	1608.1	1083.5	643.7	351.5	245.7	178.3	135.4	100.5	75.5
42.5°	1977.0	1434.9	884.8	511.2	303.8	219.0	163.2	125.5	88.9	60.4	38.9
45°	1188.0	732.6	388.1	265.5	192.3	147.0	105.2	72.6	42.4	26.1	18.0
47.5°	531.0	306.2	217.3	171.4	124.3	87.7	51.1	30.8	19.2	13.4	9.9
50°	206.8	167.9	129.6	98.8	59.8	34.9	22.1	14.5	9.9	7.0	4.6
51°	159.8	130.1	101.1	72.6	40.1	24.4	16.3	11.0	7.6	5.2	3.5
52°	122.6	99.9	76.1	48.8	27.3	18.6	12.8	8.1	5.8	3.5	2.9
53°	90.0	76.7	52.9	34.3	19.8	13.9	9.9	6.4	4.1	2.9	2.3
54°	62.2	52.9	33.7	21.5	14.5	10.5	7.0	4.6	2.9	2.3	2.3
55°	37.8	33.1	22.1	15.7	10.5	7.6	5.2	3.5	2.3	1.7	1.7
57.5°	11.6	10.5	8.7	7.0	4.6	3.5	2.3	1.7	1.7	1.7	1.7
60°	4.1	4.1	3.5	2.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7





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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°	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
64°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.3
65°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.3
66°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.3
67.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.3
70°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3
72.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3
75°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
77.5°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.3	2.3	2.3
87.5°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
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: P208897

CATALOG NUMBER: LDSQA6A20930D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4
2.5°	171.4	168.5	166.1	163.8	160.9	159.2	157.4	154.0	152.2	148.1	145.2
5°	207.4	201.0	194.6	188.2	182.4	177.8	173.1	166.7	162.1	155.1	149.3
7.5°	243.4	230.6	219.0	209.1	198.7	191.1	182.4	173.1	165.0	155.7	147.0
10°	284.1	260.3	240.5	223.1	208.0	195.8	184.2	171.4	161.5	149.3	139.4
11°	301.5	273.0	248.6	227.7	210.3	196.4	183.0	169.1	158.0	145.8	134.8
12°	327.1	285.2	256.8	232.4	211.5	195.8	181.3	166.1	154.5	141.8	130.7
13°	370.1	307.3	264.9	235.3	213.2	194.6	178.3	162.1	149.9	136.5	124.9
14°	441.5	346.2	281.8	240.5	213.2	193.5	174.9	157.4	144.1	130.7	119.1
15°	528.7	409.6	314.3	251.5	212.6	191.1	171.4	152.8	138.3	124.3	111.5
17.5°	751.7	592.6	453.7	333.5	244.0	187.1	158.6	137.1	121.4	105.7	94.1
20°	885.4	704.1	548.4	409.6	294.5	205.1	147.6	119.7	102.8	88.9	77.8
21°	901.6	718.6	558.9	418.9	300.3	207.4	144.1	112.1	95.3	81.3	71.5
22°	896.4	714.6	554.2	413.6	294.5	202.2	137.7	105.2	88.3	74.9	65.1
23°	870.8	691.9	532.1	392.7	278.9	190.0	128.4	97.6	81.3	68.6	59.3
24°	833.7	654.1	498.4	361.9	251.0	168.5	115.0	89.5	74.4	62.7	55.2
25°	789.5	611.2	456.0	327.1	217.9	144.7	101.1	81.3	67.4	56.9	50.5
26°	740.1	564.7	411.9	287.6	183.0	121.4	89.5	73.8	60.4	51.1	45.9
27°	687.3	514.1	365.4	244.6	152.2	103.4	80.8	65.6	54.6	47.1	41.8
28°	630.9	463.6	314.9	203.9	126.1	90.6	72.6	58.7	48.8	42.4	38.3
29°	567.6	404.3	266.1	166.7	104.0	80.2	64.5	52.3	44.2	38.9	35.4
30°	488.0	337.5	213.2	134.2	89.5	71.5	57.5	47.1	40.1	36.0	32.5
31°	397.4	262.6	162.1	106.3	77.8	63.3	51.1	42.4	36.6	33.1	29.6
32°	300.3	191.1	120.8	88.3	68.6	55.8	45.3	38.3	33.7	29.6	27.3
33°	211.5	136.5	97.6	76.7	59.8	48.8	40.7	34.9	30.8	26.7	24.4
34°	145.2	109.8	84.8	66.2	52.3	43.6	36.6	31.4	27.3	23.8	21.5
35°	122.6	95.9	73.2	56.9	45.3	38.3	32.5	27.9	23.8	20.9	18.6
36°	105.7	83.1	62.7	50.0	39.5	33.1	28.5	23.8	20.3	17.4	16.3
37°	91.2	71.5	54.0	43.0	33.7	27.9	23.2	19.8	17.4	15.1	13.9
38°	79.0	60.4	45.9	36.6	27.9	22.7	19.2	16.3	14.5	12.8	11.6
39°	67.4	50.5	37.2	29.0	22.1	18.6	15.7	13.9	12.2	11.0	9.9
40°	55.8	40.1	28.5	22.7	17.4	15.1	12.8	11.6	9.9	9.3	8.7
42.5°	26.1	19.2	15.1	12.8	10.5	9.3	8.1	7.0	6.4	5.8	5.8
45°	13.4	11.0	8.1	7.0	5.8	5.2	4.6	4.1	4.1	4.1	4.1
47.5°	7.0	5.2	4.1	3.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9
50°	3.5	2.3	2.3	2.3	1.7	2.3	2.3	2.3	2.3	2.9	2.9
51°	2.3	2.3	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.9	2.9
52°	2.3	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.9	2.9
53°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.9	2.9
54°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.9	2.9
55°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.9
57.5°	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.9
60°	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.9



TEST NUMBER: P208897

CATALOG NUMBER: LDSQA6A20930D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
64°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
66°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9
72.5°	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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: P208897

CATALOG NUMBER: LDSQA6A20930D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4
2.5°	145.2	140.0	140.6	137.7	115.0	102.8	96.4	91.8
5°	146.4	138.8	137.1	132.5	95.9	81.9	76.1	73.2
7.5°	142.3	132.5	129.0	122.6	81.3	68.6	63.9	61.6
10°	133.0	122.0	116.2	108.6	69.7	59.3	54.6	52.9
11°	128.4	116.8	111.0	103.4	65.6	55.8	51.7	50.0
12°	123.2	111.0	105.7	97.6	61.6	52.3	48.8	47.1
13°	117.4	105.2	99.9	92.4	57.5	49.4	46.5	44.7
14°	110.4	99.3	94.1	87.1	54.0	46.5	44.2	43.0
15°	104.0	93.5	87.7	80.8	51.1	44.2	42.4	41.2
17.5°	87.1	77.8	73.2	67.4	43.0	37.8	37.8	37.2
20°	71.5	63.3	59.8	55.2	36.0	33.1	33.7	33.7
21°	65.6	58.7	55.2	51.1	34.3	31.4	32.5	32.5
22°	59.8	53.4	51.1	47.1	32.0	29.6	31.4	31.4
23°	55.2	48.8	47.1	43.6	29.6	28.5	30.2	30.2
24°	50.5	45.3	43.0	40.1	27.9	26.7	29.0	29.6
25°	46.5	41.2	39.5	37.2	26.1	25.6	27.9	28.5
26°	42.4	37.8	36.6	34.3	24.4	24.4	26.7	27.9
27°	38.9	35.4	33.7	31.4	22.7	23.2	26.1	26.7
28°	36.0	32.5	30.8	29.0	20.9	22.1	25.0	26.1
29°	33.1	29.6	28.5	26.7	19.8	20.9	23.8	25.6
30°	30.2	27.3	26.1	24.4	18.6	19.8	23.2	25.0
31°	27.9	25.0	23.8	22.1	17.4	19.2	22.1	23.8
32°	25.0	22.7	21.5	20.3	16.3	18.0	21.5	23.2
33°	22.7	19.8	19.2	18.0	15.7	17.4	20.9	22.1
34°	19.8	17.4	16.8	16.3	14.5	16.3	19.8	21.5
35°	16.8	15.7	15.1	14.5	13.4	15.7	19.2	20.9
36°	15.1	13.4	13.4	12.8	12.8	15.1	18.6	20.3
37°	12.8	12.2	11.6	11.6	11.6	13.9	17.4	19.8
38°	11.0	10.5	10.5	10.5	11.0	13.4	16.8	19.2
39°	9.3	9.3	9.3	9.3	10.5	12.8	16.3	18.6
40°	8.1	8.1	8.1	8.1	9.9	12.2	15.7	18.0
42.5°	5.8	5.8	5.8	6.4	8.1	11.0	13.9	16.8
45°	4.6	4.6	4.6	5.2	7.6	9.9	12.8	15.1
47.5°	3.5	3.5	4.1	4.6	6.4	8.7	11.6	13.9
50°	2.9	3.5	3.5	4.1	5.8	8.1	9.9	12.2
51°	2.9	2.9	3.5	3.5	5.2	7.6	9.3	11.6
52°	2.9	2.9	3.5	3.5	5.2	7.0	9.3	10.5
53°	2.9	2.9	3.5	3.5	5.2	7.0	8.7	9.9
54°	2.9	2.9	3.5	3.5	4.6	6.4	8.1	9.3
55°	2.9	2.9	3.5	3.5	4.6	6.4	8.1	8.1
57.5°	2.9	2.9	2.9	3.5	4.1	5.8	7.0	7.0
60°	2.9	2.9	2.9	2.9	4.1	5.2	6.4	4.6



TEST NUMBER: P208897

CATALOG NUMBER: LDSQA6A20930D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.9	2.9	2.9	2.9	3.5	4.6	5.2	3.5
64°	2.9	2.9	2.9	3.5	3.5	4.6	4.6	3.5
65°	2.9	2.9	2.9	2.9	3.5	4.1	4.6	3.5
66°	2.9	2.9	2.9	2.9	3.5	4.1	4.1	3.5
67.5°	2.9	2.9	2.9	2.9	3.5	4.1	4.1	2.9
70°	2.9	2.9	2.9	2.9	3.5	3.5	3.5	2.9
72.5°	2.9	2.9	2.9	2.9	2.9	3.5	2.9	2.3
75°	2.9	2.9	3.5	3.5	2.9	2.9	2.3	2.3
77.5°	2.9	2.9	3.5	3.5	2.9	2.9	2.3	1.7
80°	2.9	2.9	3.5	3.5	2.9	2.3	1.7	1.7
82.5°	2.9	2.9	3.5	3.5	2.9	2.3	1.7	1.2
85°	2.9	2.9	3.5	3.5	2.9	2.3	1.2	1.2
87.5°	2.9	2.9	3.5	3.5	2.9	1.7	1.2	0.6
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°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.9	2.9
62°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7





61°	2.9	2.9	2.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
62°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7





61°	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
62°	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9







61°	2.9	2.9	2.9	2.9	4.1	5.2	5.8	4.1
62°	2.9	2.9	2.9	2.9	4.1	5.2	5.2	4.1



(END OF REPORT)