

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: P208881

Luminaire Tested: **LDSQA6A10930D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208881
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: LDSQA6A10930D010TE 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: 969.0 lumens
Efficiency: N/A
Efficacy: 70.6 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

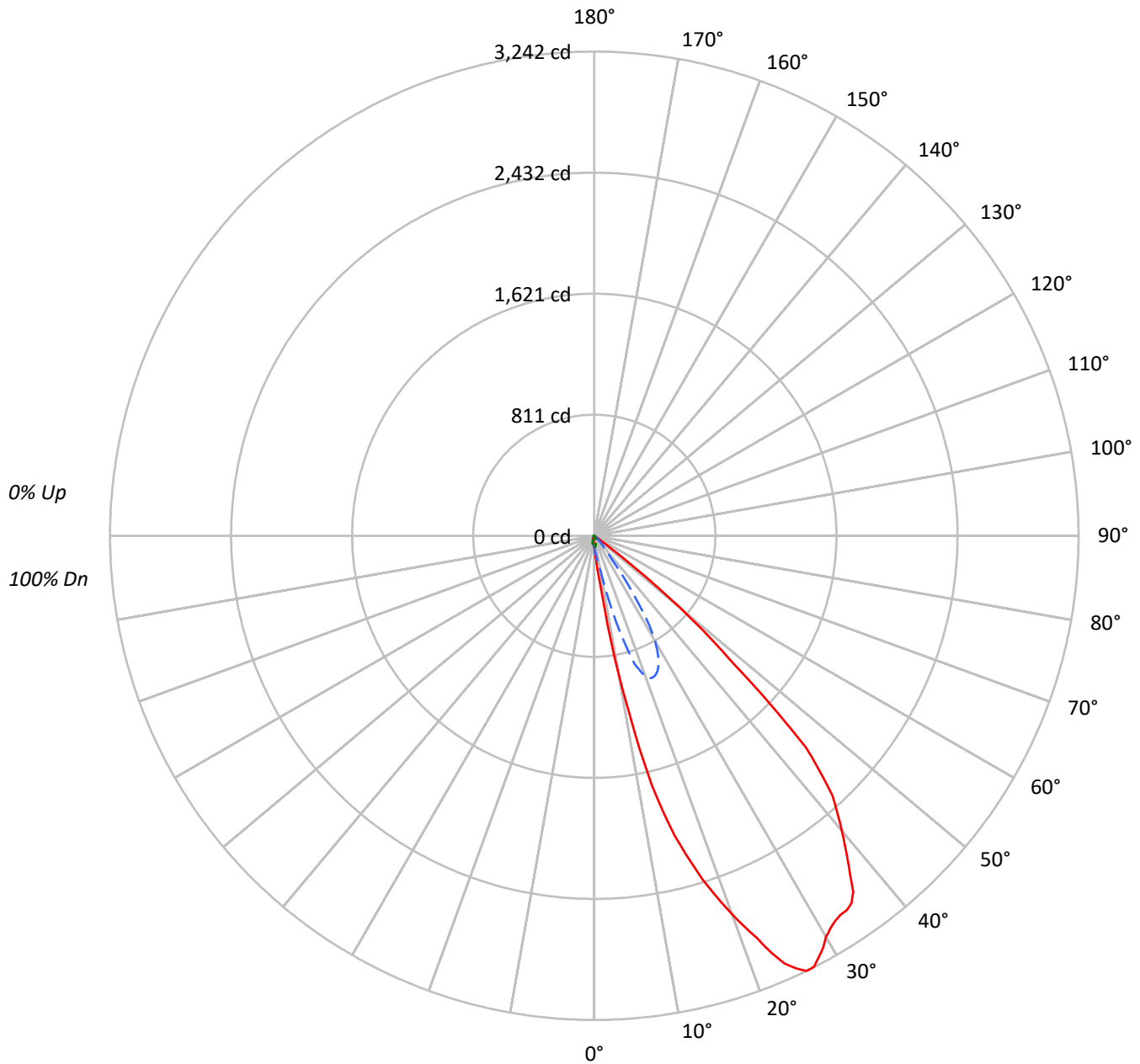
Input Watts (W): 13.73
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	3311	3311	3311
5°	8117	3159	1746
10°	41149	2619	1277
15°	92563	1988	1016
20°	123624	1397	852
25°	151893	974	746
30°	154255	671	686
35°	157826	420	604
40°	144931	253	556
45°	122054	177	505
50°	49922	147	449
55°	2432	143	338
60°	138	138	224
65°	31	163	194
70°	38	201	201
75°	0	316	216
80°	0	471	248
85°	0	939	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	1.2
10°-20°	128.1	13.2
20°-30°	295.0	30.4
30°-40°	324.4	33.5
40°-50°	190.3	19.6
50°-60°	15.5	1.6
60°-70°	1.6	0.2
70°-80°	1.3	0.1
80°-90°	1.0	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°	434.9	44.9
0°-40°	759.3	78.4
0°-60°	965.1	99.6
0°-90°	969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	77	77	77	77	77	
5°	188	130	73	45	40	40
15°	2077	679	45	24	23	586
25°	3197	1000	20	14	16	1433
35°	3003	360	8	9	12	1829
45°	2004	40	3	5	8	1388
55°	32	2	2	4	4	129
65°	0	1	2	2	2	0
75°	0	1	2	2	1	0
85°	0	1	2	1	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°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	118.6	116.0	115.4	115.1	113.2	114.1	114.8	113.2	113.2	113.2	109.6
5°	187.8	180.8	179.8	178.2	173.4	173.4	174.1	169.9	168.3	162.5	157.4
7.5°	385.3	358.7	371.2	364.2	344.6	338.2	336.9	319.3	308.4	286.6	266.7
10°	941.2	881.5	899.8	880.6	835.1	806.2	806.2	756.8	720.0	655.2	589.8
11°	1175.8	1138.6	1157.2	1134.8	1081.2	1045.7	1044.7	986.7	941.5	861.7	780.2
12°	1456.9	1399.9	1388.0	1393.5	1333.5	1292.8	1288.0	1224.2	1173.2	1080.9	988.0
13°	1714.7	1676.2	1635.8	1638.4	1575.5	1533.9	1523.6	1456.6	1402.8	1302.8	1199.9
14°	1906.0	1884.6	1849.6	1845.8	1789.0	1747.0	1734.5	1666.3	1609.8	1509.2	1401.2
15°	2076.6	2056.4	2023.4	2014.7	1960.2	1917.6	1903.2	1832.0	1774.3	1679.4	1574.9
17.5°	2414.8	2401.6	2388.8	2354.2	2312.8	2250.6	2230.5	2147.7	2072.7	1987.1	1873.0
20°	2698.1	2680.5	2653.6	2625.4	2573.1	2505.8	2491.7	2392.0	2313.5	2228.2	2094.9
21°	2801.7	2784.4	2755.5	2723.2	2663.8	2592.7	2573.1	2468.0	2385.3	2296.8	2161.2
22°	2905.2	2888.9	2859.4	2818.4	2752.6	2672.8	2643.7	2532.7	2445.5	2348.1	2211.9
23°	3033.5	2995.0	2962.9	2912.6	2835.3	2744.9	2705.5	2586.0	2494.3	2392.7	2253.9
24°	3135.1	3096.0	3058.5	2997.2	2910.0	2809.7	2759.4	2632.1	2538.5	2428.6	2288.5
25°	3197.3	3177.1	3137.6	3068.1	2973.5	2863.9	2804.9	2669.9	2567.7	2458.7	2317.0
26°	3241.8	3220.7	3186.7	3113.9	3023.5	2912.0	2840.2	2701.7	2595.9	2478.2	2335.9
27°	3240.2	3227.4	3198.9	3134.7	3058.8	2945.3	2869.6	2722.8	2610.6	2488.2	2343.3
28°	3197.3	3197.3	3184.4	3132.5	3067.1	2960.0	2880.2	2726.7	2612.2	2485.9	2338.5
29°	3158.1	3148.2	3150.8	3110.1	3054.3	2949.8	2872.5	2715.5	2600.4	2471.5	2324.1
30°	3102.7	3099.8	3111.0	3078.3	3032.2	2928.0	2847.8	2692.1	2577.0	2447.8	2301.0
31°	3068.1	3060.4	3071.3	3044.0	2993.4	2886.6	2810.3	2658.4	2546.2	2417.3	2272.8
32°	3042.1	3032.8	3045.6	3010.4	2955.2	2849.8	2768.3	2621.5	2506.1	2383.7	2236.9
33°	3026.4	3023.5	3028.3	2980.6	2909.7	2799.8	2726.0	2582.1	2467.7	2345.9	2197.4
34°	3023.5	3017.4	3009.1	2940.5	2863.9	2752.3	2678.3	2538.2	2426.3	2301.3	2149.3
35°	3002.7	2989.2	2970.3	2885.0	2799.1	2692.4	2622.5	2487.5	2374.4	2248.1	2089.7
36°	2948.8	2926.1	2905.5	2816.8	2727.6	2627.9	2562.2	2430.2	2317.3	2186.9	2021.4
37°	2845.3	2837.6	2812.6	2736.9	2655.5	2559.7	2496.2	2370.2	2253.5	2116.7	1945.2
38°	2755.5	2747.2	2724.1	2655.8	2581.8	2489.8	2426.6	2293.0	2181.7	2037.8	1861.8
39°	2664.5	2657.1	2639.5	2565.1	2500.7	2414.1	2351.0	2217.3	2103.5	1950.3	1769.8
40°	2578.6	2571.2	2555.2	2481.4	2417.7	2335.3	2271.2	2134.9	2027.9	1855.1	1664.3
42.5°	2359.6	2334.6	2314.1	2243.3	2186.2	2100.6	2031.4	1891.3	1741.3	1558.2	1366.9
45°	2004.5	1973.4	1949.0	1903.5	1841.3	1775.3	1681.7	1530.3	1375.2	1198.3	937.6
47.5°	1251.5	1207.9	1180.0	1128.0	1058.2	1013.0	988.3	908.5	802.7	724.5	526.4
50°	745.3	713.2	689.8	614.5	561.3	495.3	432.4	316.4	253.9	192.0	159.0
51°	536.0	509.7	495.9	433.7	393.3	346.2	302.0	220.2	177.3	134.0	110.6
52°	310.3	290.1	289.5	249.4	233.7	214.5	183.4	145.2	124.1	97.1	83.0
53°	144.3	132.4	134.6	116.0	110.0	107.4	106.4	84.6	82.7	72.4	61.2
54°	64.8	59.3	55.5	53.5	51.9	52.6	53.9	48.7	46.8	45.5	41.7
55°	32.4	29.5	27.9	29.5	26.3	26.6	27.6	25.6	25.0	25.0	24.4
57.5°	7.1	6.7	6.7	7.1	6.7	6.7	7.1	7.1	7.1	6.7	6.7
60°	1.6	1.6	1.6	1.6	1.9	1.9	1.9	1.9	2.2	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
64°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
66°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6
80°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
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°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	109.3	106.7	107.1	105.1	103.9	102.9	103.9	101.0	100.3	97.4	95.8
5°	156.1	150.0	148.1	143.6	138.5	135.9	135.0	129.5	126.6	121.2	118.0
7.5°	258.1	238.8	227.6	214.5	198.4	190.4	180.2	170.2	159.3	149.1	142.0
10°	561.3	500.1	454.2	407.1	343.3	311.3	270.2	240.1	210.0	186.2	171.5
11°	743.7	665.8	603.9	538.5	453.9	408.1	348.1	298.8	246.5	210.3	186.6
12°	941.2	847.9	771.6	686.3	582.8	521.2	446.2	380.8	308.1	252.3	211.6
13°	1140.2	1033.2	945.0	841.8	724.1	645.0	556.5	475.7	384.7	313.5	254.5
14°	1332.9	1215.2	1117.5	997.6	870.0	774.5	673.8	577.0	469.6	383.1	309.0
15°	1505.0	1380.6	1278.4	1148.9	1014.9	904.3	791.5	678.9	567.1	456.8	368.6
17.5°	1801.2	1670.4	1569.8	1433.5	1301.1	1175.2	1046.0	899.8	761.6	624.8	520.6
20°	2025.3	1867.6	1747.0	1585.8	1434.8	1292.8	1156.3	1007.2	870.6	722.9	604.3
21°	2082.4	1918.9	1795.8	1634.2	1471.4	1321.3	1177.7	1021.3	879.6	730.6	612.6
22°	2130.8	1966.6	1834.9	1665.3	1498.9	1340.3	1190.9	1026.4	879.0	725.1	606.5
23°	2167.6	2000.6	1866.6	1692.6	1520.4	1354.0	1197.0	1024.2	871.3	713.9	592.4
24°	2202.6	2031.7	1891.9	1709.5	1532.9	1356.3	1193.8	1015.2	858.5	696.9	573.5
25°	2225.0	2052.5	1905.7	1717.9	1533.6	1350.2	1183.2	1000.1	838.9	673.8	548.8
26°	2241.0	2062.5	1910.5	1715.0	1528.4	1338.0	1166.5	977.7	812.0	645.3	520.3
27°	2243.6	2061.8	1904.4	1705.1	1511.4	1314.9	1139.6	946.3	777.4	612.3	489.2
28°	2234.0	2050.0	1889.1	1685.8	1487.7	1284.2	1104.6	908.5	738.9	575.7	454.9
29°	2217.0	2030.1	1862.8	1654.4	1450.5	1242.8	1062.7	864.5	695.6	534.4	417.0
30°	2190.1	2001.3	1829.1	1617.5	1407.9	1196.0	1013.9	813.3	642.7	483.7	367.7
31°	2157.7	1964.1	1783.6	1566.9	1354.4	1140.9	957.5	745.0	574.8	419.9	308.7
32°	2115.7	1916.9	1731.3	1510.8	1294.4	1077.7	880.3	657.8	494.0	345.9	244.9
33°	2069.2	1864.7	1669.2	1438.3	1227.7	993.1	779.0	559.1	403.9	267.7	180.2
34°	2011.8	1802.2	1603.1	1364.6	1142.2	883.1	648.8	452.6	310.9	191.4	122.5
35°	1945.5	1730.1	1523.0	1277.7	1027.1	756.5	527.6	360.0	222.5	127.6	89.1
36°	1868.2	1651.8	1438.0	1165.2	896.0	624.1	410.6	263.8	152.3	97.1	76.6
37°	1784.9	1564.3	1324.2	1047.9	755.2	493.7	305.5	185.6	115.1	86.2	66.4
38°	1691.3	1471.0	1195.4	902.4	613.9	373.1	218.3	138.5	99.1	75.0	56.7
39°	1587.7	1356.0	1047.9	749.1	477.6	268.9	166.4	113.8	85.6	64.8	49.0
40°	1473.0	1193.8	887.3	597.8	355.2	193.9	135.6	98.4	74.7	55.5	41.7
42.5°	1090.9	791.8	488.2	282.1	167.7	120.9	90.1	69.2	49.0	33.3	21.5
45°	655.5	404.2	214.1	146.5	106.1	81.1	58.0	40.1	23.4	14.4	9.9
47.5°	293.0	168.9	119.9	94.6	68.6	48.4	28.2	17.0	10.6	7.4	5.4
50°	114.1	92.6	71.5	54.5	33.0	19.2	12.2	8.0	5.4	3.8	2.6
51°	88.2	71.8	55.8	40.1	22.1	13.5	9.0	6.1	4.2	2.9	1.9
52°	67.6	55.1	42.0	26.9	15.1	10.3	7.1	4.5	3.2	1.9	1.6
53°	49.7	42.3	29.2	18.9	10.9	7.7	5.4	3.5	2.2	1.6	1.3
54°	34.3	29.2	18.6	11.9	8.0	5.8	3.8	2.6	1.6	1.3	1.3
55°	20.8	18.3	12.2	8.7	5.8	4.2	2.9	1.9	1.3	1.0	1.0
57.5°	6.4	5.8	4.8	3.8	2.6	1.9	1.3	1.0	1.0	1.0	1.0
60°	2.2	2.2	1.9	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
64°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.3
65°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.3
66°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.3
67.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.3
70°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.3	1.3
72.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.3	1.3
75°	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3
77.5°	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3
80°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.3	1.3	1.3
82.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.3	1.3	1.3
87.5°	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3
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: P208881

CATALOG NUMBER: LDSQA6A10930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	94.6	93.0	91.7	90.4	88.8	87.8	86.9	84.9	84.0	81.7	80.1
5°	114.4	110.9	107.4	103.9	100.7	98.1	95.5	92.0	89.4	85.6	82.4
7.5°	134.3	127.3	120.9	115.4	109.6	105.5	100.7	95.5	91.0	85.9	81.1
10°	156.8	143.6	132.7	123.1	114.8	108.0	101.6	94.6	89.1	82.4	76.9
11°	166.4	150.7	137.2	125.7	116.0	108.3	101.0	93.3	87.2	80.5	74.4
12°	180.5	157.4	141.7	128.2	116.7	108.0	100.0	91.7	85.3	78.2	72.1
13°	204.2	169.6	146.2	129.8	117.6	107.4	98.4	89.4	82.7	75.3	68.9
14°	243.6	191.1	155.5	132.7	117.6	106.7	96.5	86.9	79.5	72.1	65.7
15°	291.7	226.0	173.4	138.8	117.3	105.5	94.6	84.3	76.3	68.6	61.5
17.5°	414.8	327.0	250.4	184.0	134.6	103.2	87.5	75.7	67.0	58.3	51.9
20°	488.5	388.5	302.6	226.0	162.5	113.2	81.4	66.0	56.7	49.0	43.0
21°	497.5	396.5	308.4	231.1	165.7	114.4	79.5	61.9	52.6	44.9	39.4
22°	494.6	394.3	305.8	228.2	162.5	111.6	76.0	58.0	48.7	41.4	35.9
23°	480.5	381.8	293.6	216.7	153.9	104.8	70.8	53.9	44.9	37.8	32.7
24°	460.0	360.9	275.0	199.7	138.5	93.0	63.5	49.4	41.0	34.6	30.5
25°	435.6	337.2	251.6	180.5	120.2	79.8	55.8	44.9	37.2	31.4	27.9
26°	408.4	311.6	227.3	158.7	101.0	67.0	49.4	40.7	33.3	28.2	25.3
27°	379.2	283.7	201.6	135.0	84.0	57.1	44.6	36.2	30.1	26.0	23.1
28°	348.1	255.8	173.7	112.5	69.6	50.0	40.1	32.4	26.9	23.4	21.2
29°	313.2	223.1	146.8	92.0	57.4	44.2	35.6	28.9	24.4	21.5	19.6
30°	269.3	186.2	117.6	74.0	49.4	39.4	31.7	26.0	22.1	19.9	18.0
31°	219.3	144.9	89.4	58.7	43.0	34.9	28.2	23.4	20.2	18.3	16.3
32°	165.7	105.5	66.7	48.7	37.8	30.8	25.0	21.2	18.6	16.3	15.1
33°	116.7	75.3	53.9	42.3	33.0	26.9	22.4	19.2	17.0	14.7	13.5
34°	80.1	60.6	46.8	36.5	28.9	24.0	20.2	17.3	15.1	13.1	11.9
35°	67.6	52.9	40.4	31.4	25.0	21.2	18.0	15.4	13.1	11.5	10.3
36°	58.3	45.8	34.6	27.6	21.8	18.3	15.7	13.1	11.2	9.6	9.0
37°	50.3	39.4	29.8	23.7	18.6	15.4	12.8	10.9	9.6	8.3	7.7
38°	43.6	33.3	25.3	20.2	15.4	12.5	10.6	9.0	8.0	7.1	6.4
39°	37.2	27.9	20.5	16.0	12.2	10.3	8.7	7.7	6.7	6.1	5.4
40°	30.8	22.1	15.7	12.5	9.6	8.3	7.1	6.4	5.4	5.1	4.8
42.5°	14.4	10.6	8.3	7.1	5.8	5.1	4.5	3.8	3.5	3.2	3.2
45°	7.4	6.1	4.5	3.8	3.2	2.9	2.6	2.2	2.2	2.2	2.2
47.5°	3.8	2.9	2.2	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6
50°	1.9	1.3	1.3	1.3	1.0	1.3	1.3	1.3	1.3	1.6	1.6
51°	1.3	1.3	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.6	1.6
52°	1.3	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.6	1.6
53°	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.6	1.6
54°	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.6	1.6
55°	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.6
57.5°	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.6
60°	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.6



TEST NUMBER: P208881

CATALOG NUMBER: LDSQA6A10930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
64°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
66°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6
72.5°	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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: P208881

CATALOG NUMBER: LDSQA6A10930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	80.1	77.3	77.6	76.0	63.5	56.7	53.2	50.6
5°	80.8	76.6	75.7	73.1	52.9	45.2	42.0	40.4
7.5°	78.5	73.1	71.2	67.6	44.9	37.8	35.3	34.0
10°	73.4	67.3	64.1	59.9	38.5	32.7	30.1	29.2
11°	70.8	64.4	61.2	57.1	36.2	30.8	28.5	27.6
12°	68.0	61.2	58.3	53.9	34.0	28.9	26.9	26.0
13°	64.8	58.0	55.1	51.0	31.7	27.2	25.6	24.7
14°	60.9	54.8	51.9	48.1	29.8	25.6	24.4	23.7
15°	57.4	51.6	48.4	44.6	28.2	24.4	23.4	22.8
17.5°	48.1	43.0	40.4	37.2	23.7	20.8	20.8	20.5
20°	39.4	34.9	33.0	30.5	19.9	18.3	18.6	18.6
21°	36.2	32.4	30.5	28.2	18.9	17.3	18.0	18.0
22°	33.0	29.5	28.2	26.0	17.6	16.3	17.3	17.3
23°	30.5	26.9	26.0	24.0	16.3	15.7	16.7	16.7
24°	27.9	25.0	23.7	22.1	15.4	14.7	16.0	16.3
25°	25.6	22.8	21.8	20.5	14.4	14.1	15.4	15.7
26°	23.4	20.8	20.2	18.9	13.5	13.5	14.7	15.4
27°	21.5	19.6	18.6	17.3	12.5	12.8	14.4	14.7
28°	19.9	18.0	17.0	16.0	11.5	12.2	13.8	14.4
29°	18.3	16.3	15.7	14.7	10.9	11.5	13.1	14.1
30°	16.7	15.1	14.4	13.5	10.3	10.9	12.8	13.8
31°	15.4	13.8	13.1	12.2	9.6	10.6	12.2	13.1
32°	13.8	12.5	11.9	11.2	9.0	9.9	11.9	12.8
33°	12.5	10.9	10.6	9.9	8.7	9.6	11.5	12.2
34°	10.9	9.6	9.3	9.0	8.0	9.0	10.9	11.9
35°	9.3	8.7	8.3	8.0	7.4	8.7	10.6	11.5
36°	8.3	7.4	7.4	7.1	7.1	8.3	10.3	11.2
37°	7.1	6.7	6.4	6.4	6.4	7.7	9.6	10.9
38°	6.1	5.8	5.8	5.8	6.1	7.4	9.3	10.6
39°	5.1	5.1	5.1	5.1	5.8	7.1	9.0	10.3
40°	4.5	4.5	4.5	4.5	5.4	6.7	8.7	9.9
42.5°	3.2	3.2	3.2	3.5	4.5	6.1	7.7	9.3
45°	2.6	2.6	2.6	2.9	4.2	5.4	7.1	8.3
47.5°	1.9	1.9	2.2	2.6	3.5	4.8	6.4	7.7
50°	1.6	1.9	1.9	2.2	3.2	4.5	5.4	6.7
51°	1.6	1.6	1.9	1.9	2.9	4.2	5.1	6.4
52°	1.6	1.6	1.9	1.9	2.9	3.8	5.1	5.8
53°	1.6	1.6	1.9	1.9	2.9	3.8	4.8	5.4
54°	1.6	1.6	1.9	1.9	2.6	3.5	4.5	5.1
55°	1.6	1.6	1.9	1.9	2.6	3.5	4.5	4.5
57.5°	1.6	1.6	1.6	1.9	2.2	3.2	3.8	3.8
60°	1.6	1.6	1.6	1.6	2.2	2.9	3.5	2.6



TEST NUMBER: P208881

CATALOG NUMBER: LDSQA6A10930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	1.6	1.6	1.6	1.6	1.9	2.6	2.9	1.9
64°	1.6	1.6	1.6	1.9	1.9	2.6	2.6	1.9
65°	1.6	1.6	1.6	1.6	1.9	2.2	2.6	1.9
66°	1.6	1.6	1.6	1.6	1.9	2.2	2.2	1.9
67.5°	1.6	1.6	1.6	1.6	1.9	2.2	2.2	1.6
70°	1.6	1.6	1.6	1.6	1.9	1.9	1.9	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.9	1.6	1.3
75°	1.6	1.6	1.9	1.9	1.6	1.6	1.3	1.3
77.5°	1.6	1.6	1.9	1.9	1.6	1.6	1.3	1.0
80°	1.6	1.6	1.9	1.9	1.6	1.3	1.0	1.0
82.5°	1.6	1.6	1.9	1.9	1.6	1.3	1.0	0.6
85°	1.6	1.6	1.9	1.9	1.6	1.3	0.6	0.6
87.5°	1.6	1.6	1.9	1.9	1.6	1.0	0.6	0.3
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.6	1.6
62°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.0	1.0





61°	1.6	1.6	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0





61°	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
62°	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6





61°	1.6	1.6	1.6	1.6	2.2	2.9	3.2	2.2
62°	1.6	1.6	1.6	1.6	2.2	2.9	2.9	2.2



(END OF REPORT)