

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: P208879

Luminaire Tested: **LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P208879  
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: LDSQA6A10840D010TE 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 / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1257.3 lumens  
Efficiency: N/A  
Efficacy: 91.6 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

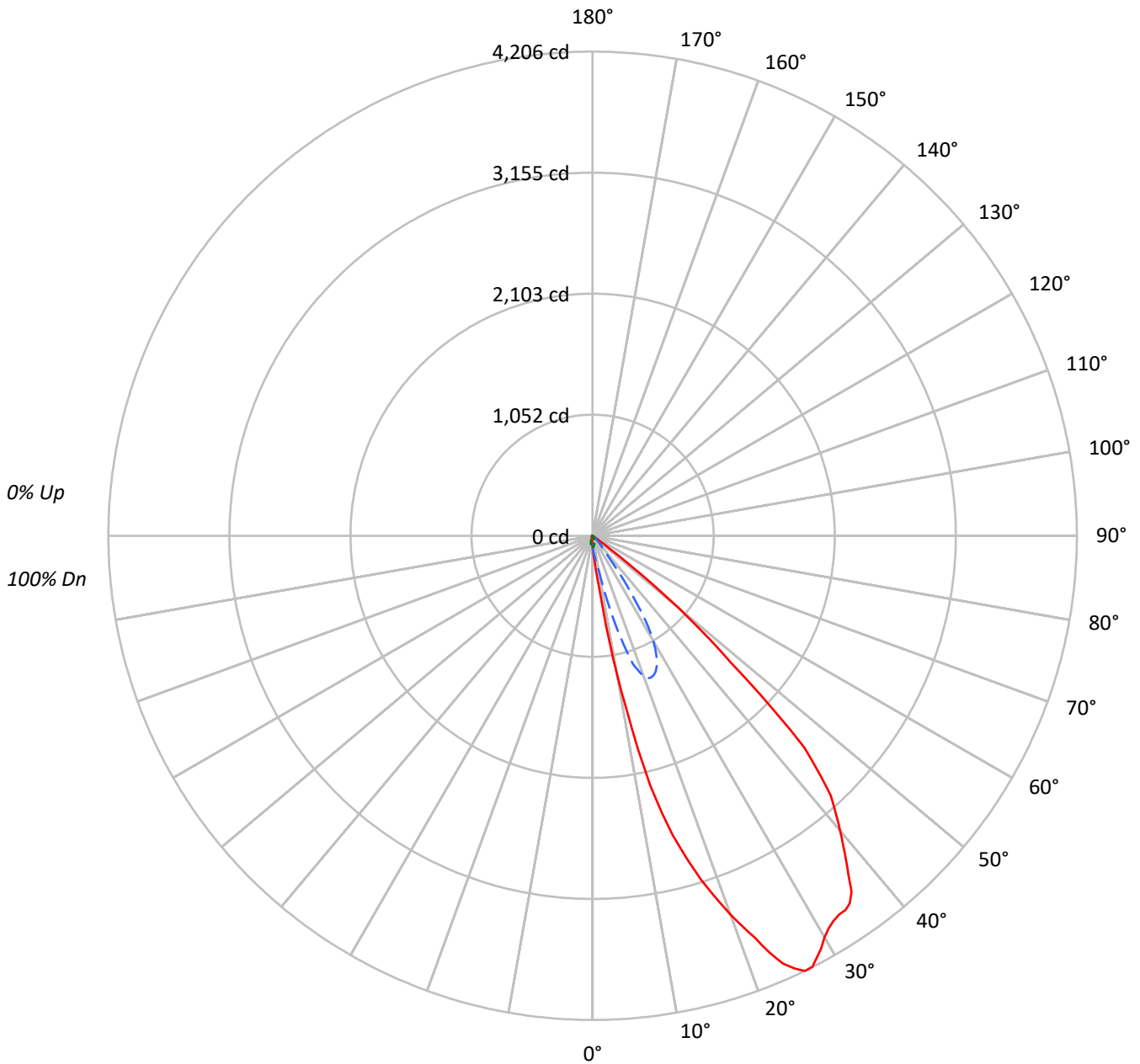
Input Watts (W): 13.73  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P208879

CATALOG NUMBER: LDSQA6A10840D010TE 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°	4297	4297	4297
5°	10533	4097	2265
10°	53386	3401	1653
15°	120093	2576	1315
20°	160398	1810	1104
25°	197072	1264	969
30°	200138	870	890
35°	204768	547	788
40°	188040	326	725
45°	158356	225	658
50°	64772	194	583
55°	3153	188	435
60°	181	181	284
65°	41	214	255
70°	50	264	264
75°	0	416	283
80°	0	620	298
85°	0	1235	395



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CATALOG NUMBER: LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.3	1.2
10°-20°	166.2	13.2
20°-30°	382.7	30.4
30°-40°	420.9	33.5
40°-50°	246.9	19.6
50°-60°	20.1	1.6
60°-70°	2.1	0.2
70°-80°	1.8	0.1
80°-90°	1.4	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°	564.3	44.9
0°-40°	985.1	78.4
0°-60°	1252.1	99.6
0°-90°	1257.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1257.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	100	100	100	100	100	
5°	244	168	95	59	52	51
15°	2694	881	58	32	30	760
25°	4148	1298	27	18	20	1859
35°	3896	467	10	11	15	2373
45°	2601	52	4	7	11	1801
55°	42	2	2	5	6	168
65°	0	1	2	3	2	1
75°	0	1	2	2	2	0
85°	0	1	2	2	1	0
90°	0	0	0	0	0	



TEST NUMBER: P208879

CATALOG NUMBER: LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2.5°	153.9	150.6	149.7	149.3	146.8	148.1	148.9	146.8	146.8	146.8	142.2
5°	243.7	234.6	233.3	231.2	225.0	225.0	225.8	220.4	218.4	210.9	204.2
7.5°	499.9	465.4	481.6	472.5	447.1	438.8	437.1	414.2	400.1	371.8	346.0
10°	1221.1	1143.7	1167.5	1142.5	1083.4	1046.0	1046.0	982.0	934.1	850.1	765.3
11°	1525.5	1477.3	1501.4	1472.3	1402.9	1356.7	1355.4	1280.2	1221.5	1118.0	1012.3
12°	1890.3	1816.3	1800.9	1807.9	1730.2	1677.4	1671.1	1588.3	1522.2	1402.4	1281.8
13°	2224.7	2174.8	2122.4	2125.7	2044.2	1990.1	1976.8	1889.9	1820.0	1690.2	1556.7
14°	2473.0	2445.1	2399.8	2394.8	2321.2	2266.7	2250.5	2161.9	2088.7	1958.1	1817.9
15°	2694.2	2668.0	2625.2	2614.0	2543.3	2488.0	2469.2	2376.9	2302.0	2178.9	2043.4
17.5°	3133.0	3116.0	3099.3	3054.4	3000.8	2920.1	2893.9	2786.6	2689.3	2578.2	2430.1
20°	3500.7	3477.8	3442.9	3406.3	3338.5	3251.1	3232.8	3103.5	3001.6	2891.0	2718.0
21°	3635.0	3612.6	3575.1	3533.1	3456.2	3363.9	3338.5	3202.1	3094.8	2980.0	2804.0
22°	3769.4	3748.2	3709.9	3656.7	3571.4	3467.8	3430.0	3286.1	3173.0	3046.5	2869.8
23°	3935.7	3885.8	3844.2	3778.9	3678.7	3561.4	3510.3	3355.1	3236.2	3104.3	2924.2
24°	4067.6	4016.8	3968.2	3888.7	3775.6	3645.4	3580.1	3415.0	3293.6	3150.9	2969.2
25°	4148.3	4122.1	4070.9	3980.6	3858.0	3715.7	3639.2	3464.1	3331.4	3190.0	3006.2
26°	4206.1	4178.6	4134.5	4040.1	3922.8	3778.1	3684.9	3505.3	3368.0	3215.4	3030.7
27°	4204.0	4187.4	4150.3	4067.2	3968.6	3821.4	3723.2	3532.7	3387.1	3228.3	3040.3
28°	4148.3	4148.3	4131.6	4064.2	3979.4	3840.5	3736.9	3537.7	3389.2	3225.4	3034.0
29°	4097.5	4084.6	4087.9	4035.1	3962.8	3827.2	3726.9	3523.1	3373.8	3206.6	3015.3
30°	4025.6	4021.8	4036.4	3994.0	3934.1	3798.9	3694.9	3492.8	3343.5	3175.9	2985.4
31°	3980.6	3970.7	3984.8	3949.5	3883.7	3745.2	3646.3	3449.1	3303.5	3136.4	2948.8
32°	3947.0	3934.9	3951.5	3905.8	3834.2	3697.4	3591.8	3401.3	3251.6	3092.7	2902.2
33°	3926.6	3922.8	3929.1	3867.1	3775.2	3632.5	3536.9	3350.1	3201.7	3043.6	2851.0
34°	3922.8	3914.9	3904.1	3815.1	3715.7	3571.0	3474.9	3293.2	3148.0	2985.8	2788.7
35°	3895.8	3878.3	3853.8	3743.2	3631.7	3493.2	3402.5	3227.4	3080.6	2916.8	2711.3
36°	3825.9	3796.4	3769.8	3654.6	3539.0	3409.6	3324.3	3153.0	3006.6	2837.3	2622.7
37°	3691.6	3681.6	3649.2	3551.0	3445.4	3321.0	3238.7	3075.2	2923.8	2746.2	2523.7
38°	3575.1	3564.3	3534.4	3445.8	3349.7	3230.3	3148.4	2975.0	2830.7	2643.9	2415.6
39°	3457.0	3447.5	3424.6	3328.1	3244.5	3132.2	3050.3	2876.8	2729.2	2530.4	2296.2
40°	3345.6	3336.0	3315.2	3219.5	3136.8	3029.9	2946.7	2769.9	2631.0	2406.9	2159.4
42.5°	3061.5	3029.0	3002.4	2910.5	2836.5	2725.4	2635.6	2453.9	2259.2	2021.7	1773.4
45°	2600.7	2560.3	2528.7	2469.7	2389.0	2303.3	2181.8	1985.5	1784.2	1554.7	1216.5
47.5°	1623.7	1567.1	1531.0	1463.6	1372.9	1314.3	1282.2	1178.7	1041.4	939.9	682.9
50°	967.0	925.4	895.0	797.3	728.3	642.6	561.1	410.5	329.4	249.1	206.3
51°	695.4	661.3	643.4	562.7	510.3	449.2	391.8	285.7	230.0	173.8	143.5
52°	402.6	376.4	375.6	323.6	303.2	278.2	237.9	188.4	161.0	126.0	107.7
53°	187.2	171.8	174.7	150.6	142.7	139.3	138.1	109.8	107.3	94.0	79.4
54°	84.0	76.9	72.0	69.5	67.4	68.2	69.9	63.2	60.7	59.1	54.1
55°	42.0	38.3	36.2	38.3	34.1	34.5	35.8	33.3	32.4	32.4	31.6
57.5°	9.1	8.7	8.7	9.1	8.7	8.7	9.1	9.1	9.1	8.7	8.7
60°	2.1	2.1	2.1	2.1	2.5	2.5	2.5	2.5	2.9	3.3	3.3



TEST NUMBER: P208879

CATALOG NUMBER: LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
64°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
66°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
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°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2.5°	141.8	138.5	138.9	136.4	134.8	133.5	134.8	131.0	130.2	126.4	124.4
5°	202.5	194.6	192.1	186.3	179.7	176.3	175.1	168.0	164.3	157.2	153.1
7.5°	334.8	309.9	295.3	278.2	257.4	247.0	233.7	220.8	206.7	193.4	184.2
10°	728.3	648.8	589.3	528.2	445.4	403.8	350.6	311.5	272.4	241.6	222.5
11°	964.9	863.8	783.6	698.7	588.9	529.4	451.7	387.6	319.8	272.8	242.1
12°	1221.1	1100.1	1001.1	890.5	756.1	676.3	578.9	494.1	399.7	327.3	274.5
13°	1479.4	1340.5	1226.1	1092.2	939.5	836.8	722.0	617.2	499.1	406.8	330.2
14°	1729.3	1576.7	1449.9	1294.3	1128.8	1004.8	874.2	748.6	609.3	497.0	400.9
15°	1952.7	1791.3	1658.6	1490.6	1316.8	1173.3	1026.9	880.9	735.7	592.7	478.3
17.5°	2337.0	2167.3	2036.7	1859.9	1688.2	1524.7	1357.1	1167.5	988.2	810.6	675.4
20°	2627.7	2423.1	2266.7	2057.5	1861.6	1677.4	1500.2	1306.8	1129.6	937.9	784.0
21°	2701.7	2489.6	2329.9	2120.3	1909.0	1714.4	1528.0	1325.1	1141.2	947.9	794.8
22°	2764.5	2551.6	2380.7	2160.6	1944.8	1738.9	1545.1	1331.7	1140.4	940.8	786.9
23°	2812.4	2595.7	2421.8	2196.0	1972.6	1756.8	1553.0	1328.8	1130.4	926.2	768.6
24°	2857.7	2636.0	2454.7	2218.0	1988.9	1759.7	1548.8	1317.2	1113.8	904.2	744.1
25°	2886.8	2663.1	2472.6	2228.8	1989.7	1751.8	1535.1	1297.6	1088.4	874.2	712.0
26°	2907.6	2675.9	2478.8	2225.1	1983.0	1736.0	1513.5	1268.5	1053.5	837.2	675.0
27°	2910.9	2675.1	2470.9	2212.2	1961.0	1706.1	1478.5	1227.8	1008.6	794.4	634.7
28°	2898.5	2659.7	2450.9	2187.3	1930.2	1666.1	1433.2	1178.7	958.7	747.0	590.2
29°	2876.4	2633.9	2416.8	2146.5	1882.0	1612.5	1378.7	1121.7	902.5	693.3	541.1
30°	2841.5	2596.5	2373.2	2098.7	1826.7	1551.7	1315.5	1055.2	833.9	627.6	477.0
31°	2799.5	2548.3	2314.1	2033.0	1757.2	1480.2	1242.3	966.6	745.7	544.8	400.5
32°	2745.0	2487.1	2246.3	1960.2	1679.4	1398.3	1142.1	853.4	640.9	448.8	317.8
33°	2684.7	2419.3	2165.6	1866.2	1592.9	1288.5	1010.7	725.3	524.0	347.3	233.7
34°	2610.2	2338.2	2080.0	1770.5	1481.9	1145.8	841.8	587.3	403.4	248.3	158.9
35°	2524.1	2244.6	1976.0	1657.8	1332.6	981.5	684.6	467.1	288.6	165.5	115.6
36°	2423.9	2143.2	1865.8	1511.8	1162.5	809.8	532.8	342.3	197.6	126.0	99.4
37°	2315.8	2029.6	1718.1	1359.6	979.9	640.5	396.4	240.8	149.3	111.9	86.1
38°	2194.3	1908.6	1550.9	1170.8	796.5	484.1	283.2	179.7	128.5	97.3	73.6
39°	2060.0	1759.3	1359.6	972.0	619.7	348.9	215.9	147.6	111.0	84.0	63.6
40°	1911.1	1548.8	1151.2	775.7	460.8	251.6	175.9	127.7	96.9	72.0	54.1
42.5°	1415.3	1027.3	633.4	366.0	217.5	156.8	116.9	89.8	63.6	43.3	27.9
45°	850.5	524.5	277.8	190.1	137.7	105.2	75.3	52.0	30.4	18.7	12.9
47.5°	380.1	219.2	155.5	122.7	89.0	62.8	36.6	22.0	13.7	9.6	7.1
50°	148.1	120.2	92.7	70.7	42.8	25.0	15.8	10.4	7.1	5.0	3.3
51°	114.4	93.2	72.4	52.0	28.7	17.5	11.6	7.9	5.4	3.7	2.5
52°	87.8	71.5	54.5	34.9	19.5	13.3	9.1	5.8	4.2	2.5	2.1
53°	64.5	54.9	37.8	24.5	14.1	10.0	7.1	4.6	2.9	2.1	1.7
54°	44.5	37.8	24.1	15.4	10.4	7.5	5.0	3.3	2.1	1.7	1.7
55°	27.0	23.7	15.8	11.2	7.5	5.4	3.7	2.5	1.7	1.2	1.2
57.5°	8.3	7.5	6.2	5.0	3.3	2.5	1.7	1.2	1.2	1.2	1.2
60°	2.9	2.9	2.5	2.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2





TEST NUMBER: P208879

CATALOG NUMBER: LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
64°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.7
65°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.7
66°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.7
67.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.7
70°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.7	1.7
72.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.7	1.7
75°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7
77.5°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7
80°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.7	1.7	1.7
82.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.7	1.7	1.7
85°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.7	1.7	1.7
87.5°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7
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: P208879

CATALOG NUMBER: LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2.5°	122.7	120.6	118.9	117.3	115.2	114.0	112.7	110.2	109.0	106.1	104.0
5°	148.5	143.9	139.3	134.8	130.6	127.3	123.9	119.4	116.0	111.0	106.9
7.5°	174.3	165.1	156.8	149.7	142.2	136.8	130.6	123.9	118.1	111.5	105.2
10°	203.4	186.3	172.2	159.7	148.9	140.2	131.8	122.7	115.6	106.9	99.8
11°	215.9	195.5	178.0	163.0	150.6	140.6	131.0	121.0	113.1	104.4	96.5
12°	234.2	204.2	183.8	166.4	151.4	140.2	129.8	118.9	110.6	101.5	93.6
13°	264.9	220.0	189.7	168.4	152.6	139.3	127.7	116.0	107.3	97.7	89.4
14°	316.1	247.9	201.7	172.2	152.6	138.5	125.2	112.7	103.1	93.6	85.3
15°	378.5	293.2	225.0	180.1	152.2	136.8	122.7	109.4	99.0	89.0	79.9
17.5°	538.2	424.2	324.8	238.7	174.7	133.9	113.5	98.2	86.9	75.7	67.4
20°	633.8	504.1	392.6	293.2	210.9	146.8	105.6	85.7	73.6	63.6	55.7
21°	645.5	514.5	400.1	299.9	215.0	148.5	103.1	80.3	68.2	58.2	51.2
22°	641.7	511.6	396.8	296.1	210.9	144.7	98.6	75.3	63.2	53.7	46.6
23°	623.4	495.3	381.0	281.2	199.6	136.0	91.9	69.9	58.2	49.1	42.4
24°	596.8	468.3	356.8	259.1	179.7	120.6	82.3	64.0	53.2	44.9	39.5
25°	565.2	437.5	326.5	234.2	156.0	103.6	72.4	58.2	48.2	40.8	36.2
26°	529.9	404.3	294.9	205.9	131.0	86.9	64.0	52.8	43.3	36.6	32.9
27°	492.0	368.1	261.6	175.1	109.0	74.0	57.8	47.0	39.1	33.7	29.9
28°	451.7	331.9	225.4	146.0	90.3	64.9	52.0	42.0	34.9	30.4	27.4
29°	406.3	289.5	190.5	119.4	74.4	57.4	46.2	37.4	31.6	27.9	25.4
30°	349.4	241.6	152.6	96.1	64.0	51.2	41.2	33.7	28.7	25.8	23.3
31°	284.5	188.0	116.0	76.1	55.7	45.3	36.6	30.4	26.2	23.7	21.2
32°	215.0	136.8	86.5	63.2	49.1	39.9	32.4	27.4	24.1	21.2	19.5
33°	151.4	97.7	69.9	54.9	42.8	34.9	29.1	25.0	22.0	19.1	17.5
34°	104.0	78.6	60.7	47.4	37.4	31.2	26.2	22.5	19.5	17.1	15.4
35°	87.8	68.6	52.4	40.8	32.4	27.4	23.3	20.0	17.1	15.0	13.3
36°	75.7	59.5	44.9	35.8	28.3	23.7	20.4	17.1	14.6	12.5	11.6
37°	65.3	51.2	38.7	30.8	24.1	20.0	16.6	14.1	12.5	10.8	10.0
38°	56.6	43.3	32.9	26.2	20.0	16.2	13.7	11.6	10.4	9.1	8.3
39°	48.2	36.2	26.6	20.8	15.8	13.3	11.2	10.0	8.7	7.9	7.1
40°	39.9	28.7	20.4	16.2	12.5	10.8	9.1	8.3	7.1	6.7	6.2
42.5°	18.7	13.7	10.8	9.1	7.5	6.7	5.8	5.0	4.6	4.2	4.2
45°	9.6	7.9	5.8	5.0	4.2	3.7	3.3	2.9	2.9	2.9	2.9
47.5°	5.0	3.7	2.9	2.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1
50°	2.5	1.7	1.7	1.7	1.2	1.7	1.7	1.7	1.7	2.1	2.1
51°	1.7	1.7	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.1	2.1
52°	1.7	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.1	2.1
53°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	2.1	2.1
54°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	2.1	2.1
55°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.1
57.5°	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.1
60°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.1



TEST NUMBER: P208879

CATALOG NUMBER: LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
64°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
66°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1
70°	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1
75°	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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: P208879

CATALOG NUMBER: LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2.5°	104.0	100.2	100.6	98.6	82.3	73.6	69.0	65.7
5°	104.8	99.4	98.2	94.8	68.6	58.6	54.5	52.4
7.5°	101.9	94.8	92.3	87.8	58.2	49.1	45.7	44.1
10°	95.2	87.3	83.2	77.8	49.9	42.4	39.1	37.8
11°	91.9	83.6	79.4	74.0	47.0	39.9	37.0	35.8
12°	88.2	79.4	75.7	69.9	44.1	37.4	34.9	33.7
13°	84.0	75.3	71.5	66.1	41.2	35.4	33.3	32.0
14°	79.0	71.1	67.4	62.4	38.7	33.3	31.6	30.8
15°	74.4	67.0	62.8	57.8	36.6	31.6	30.4	29.5
17.5°	62.4	55.7	52.4	48.2	30.8	27.0	27.0	26.6
20°	51.2	45.3	42.8	39.5	25.8	23.7	24.1	24.1
21°	47.0	42.0	39.5	36.6	24.5	22.5	23.3	23.3
22°	42.8	38.3	36.6	33.7	22.9	21.2	22.5	22.5
23°	39.5	34.9	33.7	31.2	21.2	20.4	21.6	21.6
24°	36.2	32.4	30.8	28.7	20.0	19.1	20.8	21.2
25°	33.3	29.5	28.3	26.6	18.7	18.3	20.0	20.4
26°	30.4	27.0	26.2	24.5	17.5	17.5	19.1	20.0
27°	27.9	25.4	24.1	22.5	16.2	16.6	18.7	19.1
28°	25.8	23.3	22.0	20.8	15.0	15.8	17.9	18.7
29°	23.7	21.2	20.4	19.1	14.1	15.0	17.1	18.3
30°	21.6	19.5	18.7	17.5	13.3	14.1	16.6	17.9
31°	20.0	17.9	17.1	15.8	12.5	13.7	15.8	17.1
32°	17.9	16.2	15.4	14.6	11.6	12.9	15.4	16.6
33°	16.2	14.1	13.7	12.9	11.2	12.5	15.0	15.8
34°	14.1	12.5	12.1	11.6	10.4	11.6	14.1	15.4
35°	12.1	11.2	10.8	10.4	9.6	11.2	13.7	15.0
36°	10.8	9.6	9.6	9.1	9.1	10.8	13.3	14.6
37°	9.1	8.7	8.3	8.3	8.3	10.0	12.5	14.1
38°	7.9	7.5	7.5	7.5	7.9	9.6	12.1	13.7
39°	6.7	6.7	6.7	6.7	7.5	9.1	11.6	13.3
40°	5.8	5.8	5.8	5.8	7.1	8.7	11.2	12.9
42.5°	4.2	4.2	4.2	4.6	5.8	7.9	10.0	12.1
45°	3.3	3.3	3.3	3.7	5.4	7.1	9.1	10.8
47.5°	2.5	2.5	2.9	3.3	4.6	6.2	8.3	10.0
50°	2.1	2.5	2.5	2.9	4.2	5.8	7.1	8.7
51°	2.1	2.1	2.5	2.5	3.7	5.4	6.7	8.3
52°	2.1	2.1	2.5	2.5	3.7	5.0	6.7	7.5
53°	2.1	2.1	2.5	2.5	3.7	5.0	6.2	7.1
54°	2.1	2.1	2.5	2.5	3.3	4.6	5.8	6.7
55°	2.1	2.1	2.5	2.5	3.3	4.6	5.8	5.8
57.5°	2.1	2.1	2.1	2.5	2.9	4.2	5.0	5.0
60°	2.1	2.1	2.1	2.1	2.9	3.7	4.6	3.3



TEST NUMBER: P208879

CATALOG NUMBER: LDSQA6A10840D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.1	2.1	2.1	2.1	2.5	3.3	3.7	2.5
64°	2.1	2.1	2.1	2.5	2.5	3.3	3.3	2.5
65°	2.1	2.1	2.1	2.1	2.5	2.9	3.3	2.5
66°	2.1	2.1	2.1	2.1	2.5	2.9	2.9	2.5
67.5°	2.1	2.1	2.1	2.1	2.5	2.9	2.9	2.1
70°	2.1	2.1	2.1	2.1	2.5	2.5	2.5	2.1
72.5°	2.1	2.1	2.1	2.1	2.1	2.5	2.1	1.7
75°	2.1	2.1	2.5	2.5	2.1	2.1	1.7	1.7
77.5°	2.1	2.1	2.5	2.5	2.1	2.1	1.7	1.2
80°	2.1	2.1	2.5	2.5	2.1	1.7	1.2	1.2
82.5°	2.1	2.1	2.5	2.5	2.1	1.7	1.2	0.8
85°	2.1	2.1	2.5	2.5	2.1	1.7	0.8	0.8
87.5°	2.1	2.1	2.5	2.5	2.1	1.2	0.8	0.4
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	2.1	2.1
62°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2





61°	2.1	2.1	1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
62°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2





61°	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
62°	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1







61°	2.1	2.1	2.1	2.1	2.9	3.7	4.2	2.9
62°	2.1	2.1	2.1	2.1	2.9	3.7	3.7	2.9



(END OF REPORT)