

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: P208876

Luminaire Tested: **LDSQA6A10827D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208876
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: LDSQA6A10827D010TE 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: 1154.0 lumens
Efficiency: N/A
Efficacy: 84.0 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

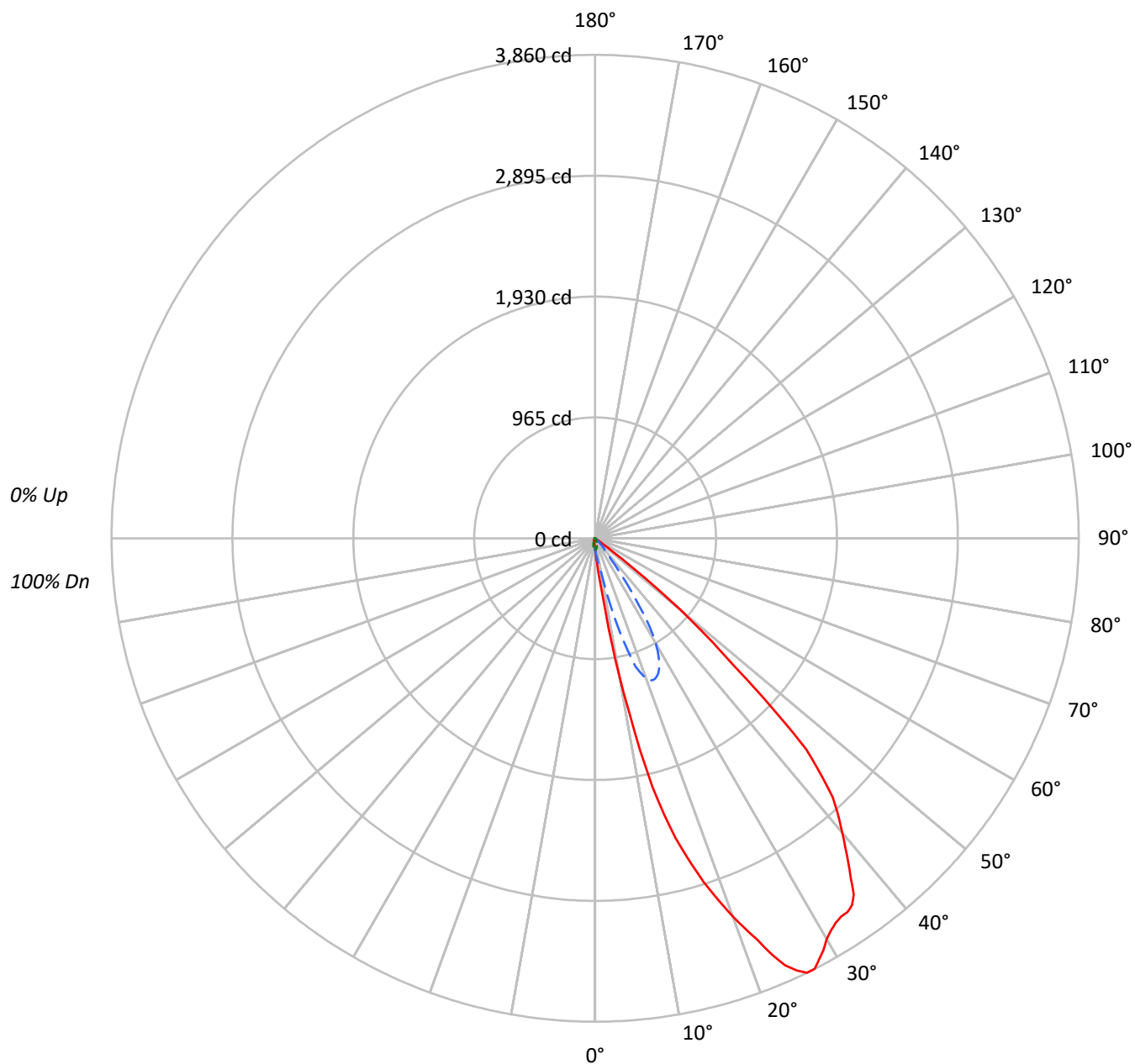
Input Watts (W): 13.73
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	92	83	76	71	90	82	76	71	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64
7	75	64	56	51	73	63	56	51	61	55	51		60	55	50		59
8	70	58	51	46	68	58	51	46	56	50	46		55	50	46		54
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50
10	61	49	42	38	60	49	42	38	48	42	38		47	42	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3944	3944	3944
5°	9668	3760	2079
10°	49001	3122	1517
15°	110228	2367	1208
20°	147216	1663	1013
25°	180877	1159	888
30°	183692	795	815
35°	187943	499	720
40°	172589	298	663
45°	145344	207	603
50°	59447	181	536
55°	2898	173	398
60°	164	164	267
65°	41	194	234
70°	50	239	239
75°	0	383	250
80°	0	570	273
85°	0	1136	395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	1.2
10°-20°	152.5	13.2
20°-30°	351.3	30.4
30°-40°	386.3	33.5
40°-50°	226.6	19.6
50°-60°	18.5	1.6
60°-70°	1.9	0.2
70°-80°	1.6	0.1
80°-90°	1.2	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°	517.9	44.9
0°-40°	904.2	78.4
0°-60°	1149.2	99.6
0°-90°	1154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1154.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	92	92	92	92	92	
5°	224	154	87	54	48	47
15°	2473	808	53	29	27	698
25°	3807	1191	24	17	19	1706
35°	3576	429	10	10	14	2178
45°	2387	48	3	6	10	1653
55°	39	2	2	4	5	154
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: P208876

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2.5°	141.2	138.2	137.4	137.0	134.8	135.9	136.7	134.8	134.8	134.8	130.6
5°	223.7	215.3	214.2	212.2	206.5	206.5	207.3	202.3	200.4	193.5	187.4
7.5°	458.8	427.2	442.0	433.6	410.4	402.7	401.2	380.2	367.2	341.3	317.6
10°	1120.8	1049.8	1071.5	1048.6	994.4	960.1	960.1	901.3	857.4	780.3	702.4
11°	1400.2	1355.9	1378.1	1351.3	1287.6	1245.2	1244.1	1175.0	1121.1	1026.1	929.1
12°	1735.0	1667.0	1652.9	1659.4	1588.0	1539.5	1533.8	1457.8	1397.1	1287.2	1176.5
13°	2041.9	1996.1	1948.0	1951.0	1876.2	1826.6	1814.4	1734.6	1670.5	1551.4	1428.8
14°	2269.8	2244.2	2202.6	2198.0	2130.4	2080.4	2065.6	1984.2	1917.1	1797.2	1668.6
15°	2472.9	2448.8	2409.5	2399.2	2334.3	2283.5	2266.3	2181.6	2112.9	1999.9	1875.4
17.5°	2875.6	2859.9	2844.7	2803.4	2754.2	2680.1	2656.1	2557.6	2468.3	2366.4	2230.5
20°	3213.0	3192.0	3160.0	3126.4	3064.2	2984.0	2967.2	2848.5	2755.0	2653.4	2494.6
21°	3336.3	3315.7	3281.4	3242.8	3172.2	3087.4	3064.2	2939.0	2840.5	2735.1	2573.6
22°	3459.6	3440.2	3405.1	3356.2	3277.9	3182.9	3148.1	3016.1	2912.2	2796.2	2634.0
23°	3612.3	3566.5	3528.4	3468.4	3376.4	3268.8	3221.8	3079.4	2970.3	2849.2	2684.0
24°	3733.3	3686.8	3642.1	3569.2	3465.4	3345.9	3286.0	3134.4	3022.9	2892.0	2725.2
25°	3807.4	3783.3	3736.4	3653.6	3540.9	3410.4	3340.2	3179.4	3057.7	2927.9	2759.2
26°	3860.5	3835.3	3794.8	3708.1	3600.5	3467.7	3382.1	3217.2	3091.3	2951.2	2781.7
27°	3858.5	3843.3	3809.3	3733.0	3642.5	3507.4	3417.3	3242.4	3108.8	2963.0	2790.5
28°	3807.4	3807.4	3792.1	3730.3	3652.4	3524.9	3429.9	3247.0	3110.7	2960.3	2784.7
29°	3760.8	3749.0	3752.0	3703.6	3637.1	3512.7	3420.7	3233.7	3096.6	2943.2	2767.6
30°	3694.8	3691.3	3704.7	3665.8	3610.8	3486.7	3391.3	3205.8	3068.7	2914.9	2740.1
31°	3653.6	3644.4	3657.4	3624.9	3564.6	3437.5	3346.6	3165.7	3032.1	2878.6	2706.5
32°	3622.6	3611.6	3626.8	3584.8	3519.2	3393.6	3296.6	3121.8	2984.4	2838.6	2663.7
33°	3603.9	3600.5	3606.2	3549.3	3465.0	3334.0	3246.2	3074.9	2938.6	2793.5	2616.8
34°	3600.5	3593.2	3583.3	3501.6	3410.4	3277.6	3189.4	3022.6	2889.3	2740.5	2559.5
35°	3575.7	3559.7	3537.1	3435.6	3333.3	3206.2	3123.0	2962.2	2827.5	2677.1	2488.5
36°	3511.6	3484.5	3460.0	3354.3	3248.2	3129.4	3051.2	2893.9	2759.5	2604.2	2407.2
37°	3388.3	3379.1	3349.3	3259.2	3162.3	3048.1	2972.5	2822.5	2683.6	2520.6	2316.4
38°	3281.4	3271.4	3244.0	3162.7	3074.5	2964.9	2889.7	2730.5	2598.1	2426.7	2217.1
39°	3173.0	3164.2	3143.2	3054.6	2977.9	2874.8	2799.6	2640.4	2504.9	2322.5	2107.5
40°	3070.7	3061.9	3042.8	2955.0	2879.0	2780.9	2704.6	2542.3	2414.8	2209.1	1982.0
42.5°	2809.9	2780.2	2755.7	2671.4	2603.4	2501.5	2419.0	2252.2	2073.6	1855.6	1627.7
45°	2387.0	2349.9	2320.9	2266.7	2192.7	2114.0	2002.6	1822.4	1637.6	1426.9	1116.6
47.5°	1490.3	1438.4	1405.2	1343.3	1260.1	1206.3	1176.9	1081.8	955.9	862.7	626.8
50°	887.5	849.4	821.5	731.8	668.4	589.8	515.0	376.8	302.3	228.7	189.3
51°	638.3	607.0	590.5	516.5	468.4	412.3	359.6	262.2	211.1	159.6	131.7
52°	369.5	345.5	344.7	297.0	278.3	255.4	218.4	172.9	147.7	115.7	98.9
53°	171.8	157.7	160.3	138.2	130.9	127.9	126.7	100.8	98.5	86.3	72.9
54°	77.1	70.6	66.0	63.7	61.8	62.6	64.1	58.0	55.7	54.2	49.6
55°	38.6	35.1	33.2	35.1	31.3	31.7	32.8	30.5	29.8	29.8	29.0
57.5°	8.4	8.0	8.0	8.4	8.0	8.0	8.4	8.4	8.4	8.0	8.0
60°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.7	3.1	3.1



TEST NUMBER: P208876

CATALOG NUMBER: LDSQA6A10827D010TE 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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CATALOG NUMBER: LDSQA6A10827D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2.5°	130.2	127.1	127.5	125.2	123.7	122.5	123.7	120.2	119.5	116.0	114.1
5°	185.9	178.7	176.4	171.0	164.9	161.9	160.7	154.2	150.8	144.3	140.5
7.5°	307.3	284.4	271.0	255.4	236.3	226.7	214.5	202.7	189.7	177.5	169.1
10°	668.4	595.5	540.9	484.8	408.8	370.7	321.8	285.9	250.0	221.8	204.2
11°	885.6	792.9	719.2	641.3	540.5	485.9	414.6	355.8	293.6	250.4	222.2
12°	1120.8	1009.7	918.8	817.3	694.0	620.7	531.4	453.5	366.8	300.4	251.9
13°	1357.8	1230.3	1125.3	1002.4	862.3	768.0	662.7	566.5	458.1	373.3	303.1
14°	1587.2	1447.1	1330.7	1188.0	1036.0	922.3	802.4	687.1	559.2	456.2	368.0
15°	1792.2	1644.1	1522.3	1368.1	1208.6	1076.9	942.5	808.5	675.3	544.0	439.0
17.5°	2145.0	1989.2	1869.3	1707.1	1549.5	1399.4	1245.6	1071.5	907.0	744.0	619.9
20°	2411.8	2224.0	2080.4	1888.4	1708.6	1539.5	1376.9	1199.4	1036.8	860.8	719.6
21°	2479.7	2285.0	2138.5	1946.1	1752.2	1573.5	1402.5	1216.2	1047.5	870.0	729.5
22°	2537.4	2341.9	2185.0	1983.1	1785.0	1596.0	1418.1	1222.3	1046.7	863.5	722.2
23°	2581.3	2382.4	2222.8	2015.5	1810.6	1612.4	1425.4	1219.6	1037.5	850.1	705.4
24°	2622.9	2419.4	2253.0	2035.8	1825.4	1615.1	1421.6	1208.9	1022.3	829.9	682.9
25°	2649.6	2444.2	2269.4	2045.7	1826.2	1607.9	1409.0	1191.0	999.0	802.4	653.5
26°	2668.7	2456.1	2275.1	2042.3	1820.1	1593.3	1389.1	1164.3	966.9	768.4	619.6
27°	2671.7	2455.3	2267.9	2030.4	1799.9	1565.9	1357.1	1126.9	925.7	729.1	582.5
28°	2660.3	2441.2	2249.5	2007.5	1771.6	1529.2	1315.4	1081.8	879.9	685.6	541.7
29°	2640.1	2417.5	2218.2	1970.1	1727.3	1480.0	1265.4	1029.5	828.4	636.3	496.6
30°	2608.0	2383.2	2178.2	1926.2	1676.6	1424.2	1207.4	968.5	765.4	576.0	437.8
31°	2569.4	2338.9	2124.0	1865.9	1612.8	1358.6	1140.2	887.1	684.4	500.1	367.6
32°	2519.4	2282.8	2061.7	1799.1	1541.4	1283.4	1048.2	783.3	588.2	411.9	291.6
33°	2464.1	2220.5	1987.7	1712.8	1462.0	1182.6	927.6	665.7	481.0	318.7	214.5
34°	2395.8	2146.1	1909.0	1625.0	1360.1	1051.7	772.6	539.0	370.3	227.9	145.8
35°	2316.7	2060.2	1813.6	1521.6	1223.1	900.9	628.3	428.7	264.9	151.9	106.1
36°	2224.7	1967.1	1712.5	1387.6	1066.9	743.2	489.0	314.2	181.3	115.7	91.2
37°	2125.5	1862.9	1576.9	1247.9	899.4	587.9	363.8	221.0	137.0	102.7	79.0
38°	2014.0	1751.8	1423.5	1074.6	731.0	444.3	260.0	164.9	118.0	89.3	67.6
39°	1890.7	1614.7	1247.9	892.1	568.8	320.3	198.1	135.5	101.9	77.1	58.4
40°	1754.1	1421.6	1056.6	711.9	423.0	230.9	161.5	117.2	88.9	66.0	49.6
42.5°	1299.0	942.9	581.4	335.9	199.6	143.9	107.3	82.5	58.4	39.7	25.6
45°	780.6	481.4	255.0	174.5	126.4	96.6	69.1	47.7	27.9	17.2	11.8
47.5°	348.9	201.2	142.8	112.6	81.7	57.6	33.6	20.2	12.6	8.8	6.5
50°	135.9	110.3	85.1	64.9	39.3	22.9	14.5	9.5	6.5	4.6	3.1
51°	105.0	85.5	66.4	47.7	26.3	16.0	10.7	7.3	5.0	3.4	2.3
52°	80.5	65.7	50.0	32.1	17.9	12.2	8.4	5.3	3.8	2.3	1.9
53°	59.2	50.4	34.7	22.5	13.0	9.2	6.5	4.2	2.7	1.9	1.5
54°	40.8	34.7	22.1	14.1	9.5	6.9	4.6	3.1	1.9	1.5	1.5
55°	24.8	21.8	14.5	10.3	6.9	5.0	3.4	2.3	1.5	1.1	1.1
57.5°	7.6	6.9	5.7	4.6	3.1	2.3	1.5	1.1	1.1	1.1	1.1
60°	2.7	2.7	2.3	1.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P208876

CATALOG NUMBER: LDSQA6A10827D010TE 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	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
64°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.5
65°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.5
66°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.5
67.5°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.5
70°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.5	1.5
72.5°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.5	1.5
75°	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5
77.5°	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5
80°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.5	1.5	1.5
87.5°	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5
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: P208876

CATALOG NUMBER: LDSQA6A10827D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2.5°	112.6	110.7	109.2	107.6	105.7	104.6	103.4	101.2	100.0	97.3	95.4
5°	136.3	132.1	127.9	123.7	119.9	116.8	113.8	109.6	106.5	101.9	98.1
7.5°	159.9	151.5	143.9	137.4	130.6	125.6	119.9	113.8	108.4	102.3	96.6
10°	186.7	171.0	158.0	146.6	136.7	128.6	121.0	112.6	106.1	98.1	91.6
11°	198.1	179.4	163.4	149.6	138.2	129.0	120.2	111.1	103.8	95.8	88.6
12°	214.9	187.4	168.7	152.7	139.0	128.6	119.1	109.2	101.5	93.1	85.9
13°	243.2	201.9	174.1	154.6	140.1	127.9	117.2	106.5	98.5	89.7	82.1
14°	290.1	227.5	185.1	158.0	140.1	127.1	114.9	103.4	94.7	85.9	78.3
15°	347.4	269.1	206.5	165.3	139.7	125.6	112.6	100.4	90.9	81.7	73.3
17.5°	494.0	389.4	298.1	219.1	160.3	122.9	104.2	90.1	79.8	69.5	61.8
20°	581.8	462.7	360.4	269.1	193.5	134.8	97.0	78.6	67.6	58.4	51.2
21°	592.4	472.2	367.2	275.2	197.4	136.3	94.7	73.7	62.6	53.4	47.0
22°	589.0	469.5	364.2	271.8	193.5	132.8	90.5	69.1	58.0	49.2	42.8
23°	572.2	454.6	349.7	258.1	183.2	124.8	84.4	64.1	53.4	45.0	38.9
24°	547.8	429.8	327.5	237.8	164.9	110.7	75.6	58.8	48.9	41.2	36.3
25°	518.8	401.6	299.7	214.9	143.1	95.1	66.4	53.4	44.3	37.4	33.2
26°	486.3	371.0	270.6	189.0	120.2	79.8	58.8	48.5	39.7	33.6	30.2
27°	451.6	337.8	240.1	160.7	100.0	67.9	53.1	43.1	35.9	30.9	27.5
28°	414.6	304.6	206.9	134.0	82.8	59.6	47.7	38.6	32.1	27.9	25.2
29°	373.0	265.7	174.8	109.6	68.3	52.7	42.4	34.4	29.0	25.6	23.3
30°	320.7	221.8	140.1	88.2	58.8	47.0	37.8	30.9	26.3	23.7	21.4
31°	261.1	172.5	106.5	69.9	51.2	41.6	33.6	27.9	24.0	21.8	19.5
32°	197.4	125.6	79.4	58.0	45.0	36.6	29.8	25.2	22.1	19.5	17.9
33°	139.0	89.7	64.1	50.4	39.3	32.1	26.7	22.9	20.2	17.6	16.0
34°	95.4	72.1	55.7	43.5	34.4	28.6	24.0	20.6	17.9	15.7	14.1
35°	80.5	63.0	48.1	37.4	29.8	25.2	21.4	18.3	15.7	13.7	12.2
36°	69.5	54.6	41.2	32.8	26.0	21.8	18.7	15.7	13.4	11.5	10.7
37°	59.9	47.0	35.5	28.2	22.1	18.3	15.3	13.0	11.5	9.9	9.2
38°	51.9	39.7	30.2	24.0	18.3	14.9	12.6	10.7	9.5	8.4	7.6
39°	44.3	33.2	24.4	19.1	14.5	12.2	10.3	9.2	8.0	7.3	6.5
40°	36.6	26.3	18.7	14.9	11.5	9.9	8.4	7.6	6.5	6.1	5.7
42.5°	17.2	12.6	9.9	8.4	6.9	6.1	5.3	4.6	4.2	3.8	3.8
45°	8.8	7.3	5.3	4.6	3.8	3.4	3.1	2.7	2.7	2.7	2.7
47.5°	4.6	3.4	2.7	2.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
50°	2.3	1.5	1.5	1.5	1.1	1.5	1.5	1.5	1.5	1.9	1.9
51°	1.5	1.5	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.9	1.9
52°	1.5	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.9	1.9
53°	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.9	1.9
54°	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.9	1.9
55°	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.9
57.5°	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.9
60°	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.9



TEST NUMBER: P208876

CATALOG NUMBER: LDSQA6A10827D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
64°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
66°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9
72.5°	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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



TEST NUMBER: P208876

CATALOG NUMBER: LDSQA6A10827D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2.5°	95.4	92.0	92.4	90.5	75.6	67.6	63.4	60.3
5°	96.2	91.2	90.1	87.0	63.0	53.8	50.0	48.1
7.5°	93.5	87.0	84.7	80.5	53.4	45.0	42.0	40.5
10°	87.4	80.2	76.3	71.4	45.8	38.9	35.9	34.7
11°	84.4	76.7	72.9	67.9	43.1	36.6	34.0	32.8
12°	80.9	72.9	69.5	64.1	40.5	34.4	32.1	30.9
13°	77.1	69.1	65.7	60.7	37.8	32.4	30.5	29.4
14°	72.5	65.3	61.8	57.3	35.5	30.5	29.0	28.2
15°	68.3	61.5	57.6	53.1	33.6	29.0	27.9	27.1
17.5°	57.3	51.2	48.1	44.3	28.2	24.8	24.8	24.4
20°	47.0	41.6	39.3	36.3	23.7	21.8	22.1	22.1
21°	43.1	38.6	36.3	33.6	22.5	20.6	21.4	21.4
22°	39.3	35.1	33.6	30.9	21.0	19.5	20.6	20.6
23°	36.3	32.1	30.9	28.6	19.5	18.7	19.9	19.9
24°	33.2	29.8	28.2	26.3	18.3	17.6	19.1	19.5
25°	30.5	27.1	26.0	24.4	17.2	16.8	18.3	18.7
26°	27.9	24.8	24.0	22.5	16.0	16.0	17.6	18.3
27°	25.6	23.3	22.1	20.6	14.9	15.3	17.2	17.6
28°	23.7	21.4	20.2	19.1	13.7	14.5	16.4	17.2
29°	21.8	19.5	18.7	17.6	13.0	13.7	15.7	16.8
30°	19.9	17.9	17.2	16.0	12.2	13.0	15.3	16.4
31°	18.3	16.4	15.7	14.5	11.5	12.6	14.5	15.7
32°	16.4	14.9	14.1	13.4	10.7	11.8	14.1	15.3
33°	14.9	13.0	12.6	11.8	10.3	11.5	13.7	14.5
34°	13.0	11.5	11.1	10.7	9.5	10.7	13.0	14.1
35°	11.1	10.3	9.9	9.5	8.8	10.3	12.6	13.7
36°	9.9	8.8	8.8	8.4	8.4	9.9	12.2	13.4
37°	8.4	8.0	7.6	7.6	7.6	9.2	11.5	13.0
38°	7.3	6.9	6.9	6.9	7.3	8.8	11.1	12.6
39°	6.1	6.1	6.1	6.1	6.9	8.4	10.7	12.2
40°	5.3	5.3	5.3	5.3	6.5	8.0	10.3	11.8
42.5°	3.8	3.8	3.8	4.2	5.3	7.3	9.2	11.1
45°	3.1	3.1	3.1	3.4	5.0	6.5	8.4	9.9
47.5°	2.3	2.3	2.7	3.1	4.2	5.7	7.6	9.2
50°	1.9	2.3	2.3	2.7	3.8	5.3	6.5	8.0
51°	1.9	1.9	2.3	2.3	3.4	5.0	6.1	7.6
52°	1.9	1.9	2.3	2.3	3.4	4.6	6.1	6.9
53°	1.9	1.9	2.3	2.3	3.4	4.6	5.7	6.5
54°	1.9	1.9	2.3	2.3	3.1	4.2	5.3	6.1
55°	1.9	1.9	2.3	2.3	3.1	4.2	5.3	5.3
57.5°	1.9	1.9	1.9	2.3	2.7	3.8	4.6	4.6
60°	1.9	1.9	1.9	1.9	2.7	3.4	4.2	3.1



TEST NUMBER: P208876

CATALOG NUMBER: LDSQA6A10827D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	1.9	1.9	1.9	1.9	2.3	3.1	3.4	2.3
64°	1.9	1.9	1.9	2.3	2.3	3.1	3.1	2.3
65°	1.9	1.9	1.9	1.9	2.3	2.7	3.1	2.3
66°	1.9	1.9	1.9	1.9	2.3	2.7	2.7	2.3
67.5°	1.9	1.9	1.9	1.9	2.3	2.7	2.7	1.9
70°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	1.9
72.5°	1.9	1.9	1.9	1.9	1.9	2.3	1.9	1.5
75°	1.9	1.9	2.3	2.3	1.9	1.9	1.5	1.5
77.5°	1.9	1.9	2.3	2.3	1.9	1.9	1.5	1.1
80°	1.9	1.9	2.3	2.3	1.9	1.5	1.1	1.1
82.5°	1.9	1.9	2.3	2.3	1.9	1.5	1.1	0.8
85°	1.9	1.9	2.3	2.3	1.9	1.5	0.8	0.8
87.5°	1.9	1.9	2.3	2.3	1.9	1.1	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°	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.9	1.9
62°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1





61°	1.9	1.9	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
62°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1





61°	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
62°	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9





61°	1.9	1.9	1.9	1.9	2.7	3.4	3.8	2.7
62°	1.9	1.9	1.9	1.9	2.7	3.4	3.4	2.7



(END OF REPORT)