

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: P208907

Luminaire Tested: **LDSQA6A30940D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208907
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: LDSQA6A30940D010TE 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 / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2663.5 lumens
Efficiency: N/A
Efficacy: 59.7 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

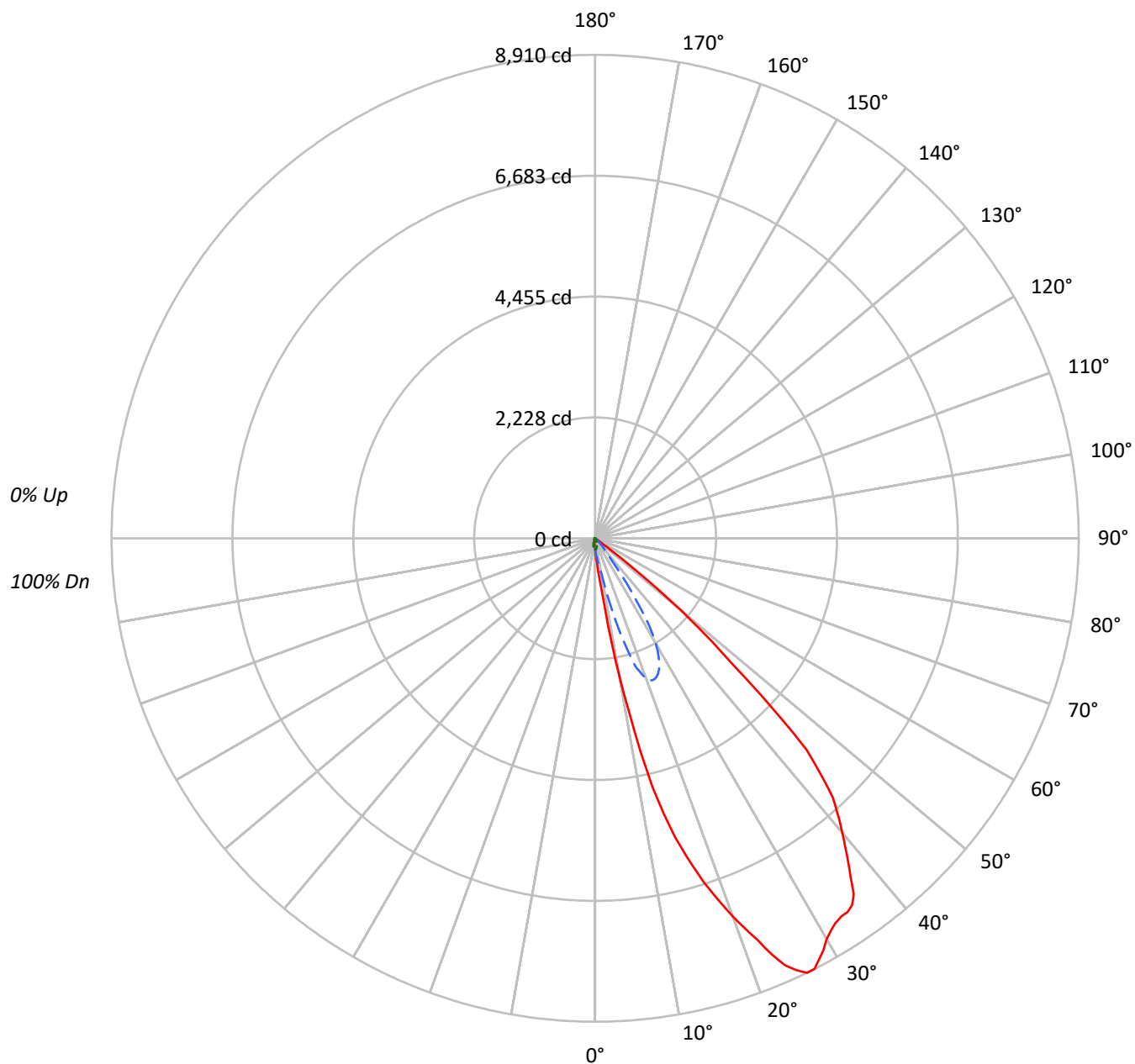
Input Watts (W): 44.62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
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°	9106	9106	9106
5°	22315	8683	4797
10°	113099	7205	3506
15°	254418	5460	2790
20°	339797	3835	2341
25°	417489	2679	2052
30°	423981	1840	1884
35°	433793	1156	1666
40°	398354	691	1534
45°	335467	481	1394
50°	137214	415	1239
55°	6681	398	923
60°	379	379	603
65°	92	448	540
70°	113	554	554
75°	0	882	582
80°	0	1314	645
85°	0	2618	889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	1.2
10°-20°	352.1	13.2
20°-30°	810.8	30.4
30°-40°	891.6	33.5
40°-50°	523.0	19.6
50°-60°	42.6	1.6
60°-70°	4.4	0.2
70°-80°	3.7	0.1
80°-90°	2.9	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°	1195.4	44.9
0°-40°	2087.0	78.4
0°-60°	2652.6	99.6
0°-90°	2663.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2663.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	516	356	201	124	111	109
15°	5708	1866	122	67	63	1611
25°	8788	2749	56	39	43	3938
35°	8253	990	22	24	32	5027
45°	5509	110	8	15	23	3815
55°	89	5	5	10	12	356
65°	1	3	4	6	5	1
75°	0	3	5	4	4	0
85°	0	3	5	4	2	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°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	326.0	319.0	317.2	316.3	311.0	313.7	315.4	311.0	311.0	311.0	301.3
5°	516.3	496.9	494.3	489.9	476.7	476.7	478.4	467.0	462.6	446.7	432.6
7.5°	1059.1	985.9	1020.3	1000.9	947.2	929.5	926.0	877.6	847.6	787.7	733.1
10°	2586.9	2423.0	2473.2	2420.3	2295.2	2215.9	2215.9	2080.2	1978.9	1800.9	1621.2
11°	3231.8	3129.6	3180.7	3119.0	2971.9	2874.1	2871.5	2712.0	2587.8	2368.4	2144.6
12°	4004.5	3847.7	3815.1	3830.1	3665.3	3553.4	3540.2	3364.9	3224.8	2971.0	2715.5
13°	4712.9	4607.2	4496.2	4503.2	4330.5	4216.0	4187.8	4003.7	3855.6	3580.7	3297.9
14°	5238.9	5179.9	5083.9	5073.3	4917.3	4801.9	4767.6	4579.9	4424.8	4148.2	3851.2
15°	5707.7	5652.2	5561.4	5537.6	5387.8	5270.7	5231.0	5035.4	4876.8	4616.0	4328.8
17.5°	6637.2	6601.1	6565.9	6470.7	6357.0	6186.1	6130.6	5903.3	5697.1	5461.9	5148.2
20°	7416.1	7367.7	7293.6	7216.1	7072.5	6887.5	6848.7	6574.7	6358.8	6124.4	5757.9
21°	7700.7	7653.1	7573.8	7484.8	7321.8	7126.2	7072.5	6783.5	6556.2	6313.0	5940.3
22°	7985.3	7940.4	7859.3	7746.5	7565.9	7346.5	7266.3	6961.5	6721.8	6454.0	6079.5
23°	8337.7	8232.0	8143.9	8005.6	7793.2	7544.8	7436.4	7107.7	6855.7	6576.4	6194.9
24°	8617.0	8509.5	8406.5	8238.2	7998.5	7722.7	7584.4	7234.6	6977.3	6675.1	6290.1
25°	8788.0	8732.5	8624.1	8432.9	8173.0	7871.6	7709.5	7338.6	7057.5	6757.9	6368.5
26°	8910.4	8852.3	8758.9	8558.9	8310.4	8003.8	7806.4	7425.8	7135.0	6811.7	6420.5
27°	8906.0	8870.8	8792.4	8616.2	8407.3	8095.4	7887.5	7484.0	7175.6	6839.0	6440.7
28°	8788.0	8788.0	8752.7	8610.0	8430.2	8136.0	7916.6	7494.5	7180.0	6832.8	6427.5
29°	8680.5	8653.2	8660.2	8548.3	8395.0	8107.8	7895.4	7463.7	7147.4	6793.2	6387.9
30°	8528.0	8520.1	8551.0	8461.1	8334.2	8047.9	7827.6	7399.4	7083.1	6728.0	6324.4
31°	8432.9	8411.7	8441.7	8366.8	8227.6	7934.2	7724.5	7306.9	6998.5	6644.3	6246.9
32°	8361.5	8336.0	8371.2	8274.3	8122.7	7832.9	7609.1	7205.5	6888.3	6551.8	6148.2
33°	8318.3	8310.4	8323.6	8192.4	7997.6	7695.4	7492.8	7097.2	6782.6	6447.8	6039.9
34°	8310.4	8293.7	8270.8	8082.2	7871.6	7565.0	7361.5	6976.5	6669.0	6325.3	5907.7
35°	8253.1	8216.1	8164.2	7929.8	7693.7	7400.3	7208.2	6837.2	6526.2	6179.1	5743.8
36°	8105.1	8042.6	7986.2	7742.1	7497.2	7223.2	7042.5	6679.5	6369.4	6010.8	5556.1
37°	7820.5	7799.4	7730.7	7522.7	7298.9	7035.5	6861.0	6514.8	6194.0	5817.8	5346.4
38°	7573.8	7550.9	7487.5	7299.8	7096.3	6843.4	6669.8	6302.4	5996.7	5601.1	5117.4
39°	7323.6	7303.3	7254.9	7050.5	6873.4	6635.5	6461.9	6094.5	5781.7	5360.5	4864.5
40°	7087.5	7067.2	7023.1	6820.5	6645.2	6418.7	6242.5	5868.0	5573.8	5098.9	4574.6
42.5°	6485.7	6417.0	6360.6	6165.9	6009.0	5773.8	5583.5	5198.4	4786.1	4283.0	3757.0
45°	5509.4	5424.0	5357.0	5231.9	5061.0	4879.5	4622.2	4206.3	3779.9	3293.5	2577.2
47.5°	3439.8	3319.9	3243.3	3100.5	2908.5	2784.2	2716.4	2497.0	2206.2	1991.3	1446.7
50°	2048.5	1960.4	1896.1	1689.0	1542.8	1361.3	1188.6	869.6	697.8	527.8	437.0
51°	1473.2	1400.9	1363.0	1192.1	1081.1	951.6	830.0	605.3	487.2	368.3	304.0
52°	852.9	797.4	795.6	685.5	642.3	589.4	504.0	399.1	341.0	267.0	228.2
53°	396.5	363.9	370.1	319.0	302.2	295.2	292.5	232.6	227.3	199.1	168.3
54°	178.0	163.0	152.4	147.1	142.7	144.5	148.0	133.9	128.6	125.1	114.5
55°	89.0	81.1	76.7	81.1	72.2	73.1	75.8	70.5	68.7	68.7	67.0
57.5°	19.4	18.5	18.5	19.4	18.5	18.5	19.4	19.4	19.4	18.5	18.5
60°	4.4	4.4	4.4	4.4	5.3	5.3	5.3	5.3	6.2	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
64°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
66°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.8
77.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.8
80°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.8
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°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	300.5	293.4	294.3	289.0	285.5	282.8	285.5	277.5	275.8	267.9	263.4
5°	429.1	412.3	407.1	394.7	380.6	373.6	370.9	356.0	348.0	333.1	324.2
7.5°	709.3	656.4	625.6	589.4	545.4	523.4	495.2	467.9	437.9	409.7	390.3
10°	1542.8	1374.5	1248.5	1119.0	943.6	855.5	742.8	659.9	577.1	511.9	471.4
11°	2044.1	1830.0	1660.0	1480.2	1247.6	1121.6	956.9	821.2	677.6	578.0	512.8
12°	2586.9	2330.5	2120.8	1886.4	1601.8	1432.6	1226.5	1046.7	846.7	693.4	581.5
13°	3134.0	2839.7	2597.4	2313.7	1990.4	1772.7	1529.6	1307.5	1057.3	861.7	699.6
14°	3663.6	3340.2	3071.5	2741.9	2391.3	2128.7	1852.0	1586.0	1290.8	1052.9	849.4
15°	4136.7	3794.8	3513.8	3157.8	2789.5	2485.5	2175.4	1866.1	1558.6	1255.5	1013.3
17.5°	4950.8	4591.3	4314.7	3940.2	3576.3	3230.1	2875.0	2473.2	2093.5	1717.2	1430.9
20°	5566.7	5133.2	4801.9	4358.7	3943.7	3553.4	3178.1	2768.4	2393.0	1986.9	1660.8
21°	5723.5	5274.2	4935.9	4491.8	4044.2	3631.8	3237.1	2807.1	2417.7	2008.0	1683.8
22°	5856.6	5405.5	5043.3	4577.2	4120.0	3683.8	3273.2	2821.2	2415.9	1993.0	1667.0
23°	5957.9	5498.9	5130.6	4652.1	4179.0	3721.7	3290.0	2815.1	2394.8	1962.2	1628.2
24°	6054.0	5584.3	5200.2	4698.8	4213.4	3727.9	3281.2	2790.4	2359.6	1915.5	1576.3
25°	6115.6	5641.6	5238.1	4721.7	4215.1	3711.1	3252.1	2749.0	2305.8	1852.0	1508.4
26°	6159.7	5668.9	5251.3	4713.8	4201.0	3677.7	3206.3	2687.3	2231.8	1773.6	1430.0
27°	6166.7	5667.2	5234.5	4686.5	4154.3	3614.2	3132.3	2601.0	2136.6	1682.9	1344.5
28°	6140.3	5634.6	5192.2	4633.6	4089.1	3529.6	3036.2	2497.0	2030.9	1582.4	1250.3
29°	6093.6	5579.9	5120.0	4547.3	3986.9	3416.0	2920.8	2376.3	1912.0	1468.8	1146.3
30°	6019.6	5500.6	5027.5	4446.0	3869.7	3287.3	2786.9	2235.3	1766.6	1329.6	1010.6
31°	5930.6	5398.4	4902.4	4306.8	3722.6	3135.8	2631.8	2047.6	1579.8	1154.2	848.5
32°	5815.2	5268.9	4758.8	4152.6	3557.8	2962.2	2419.5	1808.0	1357.8	950.7	673.2
33°	5687.4	5125.3	4587.8	3953.4	3374.6	2729.6	2141.0	1536.6	1110.2	735.7	495.2
34°	5529.7	4953.5	4406.3	3750.8	3139.3	2427.4	1783.3	1244.1	854.7	526.0	336.6
35°	5347.3	4755.2	4186.0	3512.0	2823.0	2079.4	1450.3	989.5	611.5	350.7	244.9
36°	5135.0	4540.2	3952.6	3202.8	2462.6	1715.5	1128.7	725.1	418.5	267.0	210.6
37°	4905.9	4299.7	3639.8	2880.3	2075.8	1356.9	839.7	510.1	316.3	237.0	182.4
38°	4648.6	4043.3	3285.6	2480.3	1687.3	1025.6	600.0	380.6	272.3	206.2	156.0
39°	4364.0	3727.0	2880.3	2059.1	1312.8	739.2	457.3	312.8	235.3	178.0	134.8
40°	4048.6	3281.2	2438.9	1643.2	976.2	533.1	372.7	270.5	205.3	152.4	114.5
42.5°	2998.3	2176.3	1341.9	775.4	460.8	332.2	247.6	190.3	134.8	91.6	59.0
45°	1801.8	1111.1	588.6	402.7	291.6	222.9	159.5	110.1	64.3	39.6	27.3
47.5°	805.3	464.3	329.5	259.9	188.6	133.0	77.5	46.7	29.1	20.3	15.0
50°	313.7	254.6	196.5	149.8	90.8	52.9	33.5	22.0	15.0	10.6	7.0
51°	242.3	197.4	153.3	110.1	60.8	37.0	24.7	16.7	11.5	7.9	5.3
52°	185.9	151.5	115.4	74.0	41.4	28.2	19.4	12.3	8.8	5.3	4.4
53°	136.6	116.3	80.2	52.0	30.0	21.1	15.0	9.7	6.2	4.4	3.5
54°	94.3	80.2	51.1	32.6	22.0	15.9	10.6	7.0	4.4	3.5	3.5
55°	57.3	50.2	33.5	23.8	15.9	11.5	7.9	5.3	3.5	2.6	2.6
57.5°	17.6	15.9	13.2	10.6	7.0	5.3	3.5	2.6	2.6	2.6	2.6
60°	6.2	6.2	5.3	4.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6



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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°	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
64°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	3.5
65°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	3.5
66°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	3.5
67.5°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	3.5
70°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.5	3.5
72.5°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.5	3.5
75°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5
77.5°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5
80°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	3.5	3.5	3.5
82.5°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	3.5	3.5	3.5
85°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	3.5	3.5	3.5
87.5°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	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: P208907

CATALOG NUMBER: LDSQA6A30940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	259.9	255.5	252.0	248.5	244.1	241.4	238.8	233.5	230.8	224.7	220.3
5°	314.5	304.9	295.2	285.5	276.7	269.6	262.6	252.9	245.8	235.3	226.4
7.5°	369.2	349.8	332.2	317.2	301.3	289.9	276.7	262.6	250.2	236.1	222.9
10°	430.9	394.7	364.8	338.3	315.4	296.9	279.3	259.9	244.9	226.4	211.5
11°	457.3	414.1	377.1	345.4	319.0	297.8	277.5	256.4	239.7	221.2	204.4
12°	496.1	432.6	389.4	352.4	320.7	296.9	274.9	252.0	234.4	215.0	198.2
13°	561.3	466.1	401.8	356.8	323.4	295.2	270.5	245.8	227.3	207.1	189.4
14°	669.6	525.1	427.3	364.8	323.4	293.4	265.2	238.8	218.5	198.2	180.6
15°	801.8	621.2	476.7	381.5	322.5	289.9	259.9	231.7	209.7	188.6	169.2
17.5°	1140.1	898.7	688.1	505.7	370.1	283.7	240.5	207.9	184.1	160.4	142.7
20°	1342.8	1067.9	831.7	621.2	446.7	311.0	223.8	181.5	156.0	134.8	118.1
21°	1367.4	1089.9	847.6	635.3	455.5	314.5	218.5	170.0	144.5	123.4	108.4
22°	1359.5	1083.7	840.6	627.3	446.7	306.6	208.8	159.5	133.9	113.7	98.7
23°	1320.8	1049.4	807.1	595.6	422.9	288.1	194.7	148.0	123.4	104.0	89.9
24°	1264.4	992.1	756.0	548.9	380.6	255.5	174.5	135.7	112.8	95.2	83.7
25°	1197.4	926.9	691.7	496.1	330.4	219.4	153.3	123.4	102.2	86.3	76.7
26°	1122.5	856.4	624.7	436.1	277.5	184.1	135.7	111.9	91.6	77.5	69.6
27°	1042.3	779.8	554.2	370.9	230.8	156.8	122.5	99.6	82.8	71.4	63.4
28°	956.9	703.1	477.5	309.3	191.2	137.4	110.1	89.0	74.0	64.3	58.2
29°	860.8	613.2	403.5	252.9	157.7	121.6	97.8	79.3	67.0	59.0	53.7
30°	740.1	511.9	323.4	203.5	135.7	108.4	87.2	71.4	60.8	54.6	49.3
31°	602.7	398.3	245.8	161.2	118.1	96.0	77.5	64.3	55.5	50.2	44.9
32°	455.5	289.9	183.3	133.9	104.0	84.6	68.7	58.2	51.1	44.9	41.4
33°	320.7	207.1	148.0	116.3	90.8	74.0	61.7	52.9	46.7	40.5	37.0
34°	220.3	166.5	128.6	100.4	79.3	66.1	55.5	47.6	41.4	36.1	32.6
35°	185.9	145.4	111.0	86.3	68.7	58.2	49.3	42.3	36.1	31.7	28.2
36°	160.4	126.0	95.2	75.8	59.9	50.2	43.2	36.1	30.8	26.4	24.7
37°	138.3	108.4	81.9	65.2	51.1	42.3	35.2	30.0	26.4	22.9	21.1
38°	119.8	91.6	69.6	55.5	42.3	34.4	29.1	24.7	22.0	19.4	17.6
39°	102.2	76.7	56.4	44.1	33.5	28.2	23.8	21.1	18.5	16.7	15.0
40°	84.6	60.8	43.2	34.4	26.4	22.9	19.4	17.6	15.0	14.1	13.2
42.5°	39.6	29.1	22.9	19.4	15.9	14.1	12.3	10.6	9.7	8.8	8.8
45°	20.3	16.7	12.3	10.6	8.8	7.9	7.0	6.2	6.2	6.2	6.2
47.5°	10.6	7.9	6.2	5.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
50°	5.3	3.5	3.5	3.5	2.6	3.5	3.5	3.5	3.5	4.4	4.4
51°	3.5	3.5	2.6	2.6	2.6	3.5	3.5	3.5	3.5	4.4	4.4
52°	3.5	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	4.4	4.4
53°	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5	4.4	4.4
54°	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5	4.4	4.4
55°	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	4.4
57.5°	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	4.4
60°	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	4.4



TEST NUMBER: P208907

CATALOG NUMBER: LDSQA6A30940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
64°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
66°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4
70°	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4
72.5°	3.5	3.5	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4
75°	3.5	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
80°	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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: P208907

CATALOG NUMBER: LDSQA6A30940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	220.3	212.3	213.2	208.8	174.5	156.0	146.3	139.2
5°	222.0	210.6	207.9	200.9	145.4	124.2	115.4	111.0
7.5°	215.9	200.9	195.6	185.9	123.4	104.0	96.9	93.4
10°	201.8	185.0	176.2	164.8	105.7	89.9	82.8	80.2
11°	194.7	177.1	168.3	156.8	99.6	84.6	78.4	75.8
12°	186.8	168.3	160.4	148.0	93.4	79.3	74.0	71.4
13°	178.0	159.5	151.5	140.1	87.2	74.9	70.5	67.8
14°	167.4	150.7	142.7	132.2	81.9	70.5	67.0	65.2
15°	157.7	141.9	133.0	122.5	77.5	67.0	64.3	62.6
17.5°	132.2	118.1	111.0	102.2	65.2	57.3	57.3	56.4
20°	108.4	96.0	90.8	83.7	54.6	50.2	51.1	51.1
21°	99.6	89.0	83.7	77.5	52.0	47.6	49.3	49.3
22°	90.8	81.1	77.5	71.4	48.5	44.9	47.6	47.6
23°	83.7	74.0	71.4	66.1	44.9	43.2	45.8	45.8
24°	76.7	68.7	65.2	60.8	42.3	40.5	44.1	44.9
25°	70.5	62.6	59.9	56.4	39.6	38.8	42.3	43.2
26°	64.3	57.3	55.5	52.0	37.0	37.0	40.5	42.3
27°	59.0	53.7	51.1	47.6	34.4	35.2	39.6	40.5
28°	54.6	49.3	46.7	44.1	31.7	33.5	37.9	39.6
29°	50.2	44.9	43.2	40.5	30.0	31.7	36.1	38.8
30°	45.8	41.4	39.6	37.0	28.2	30.0	35.2	37.9
31°	42.3	37.9	36.1	33.5	26.4	29.1	33.5	36.1
32°	37.9	34.4	32.6	30.8	24.7	27.3	32.6	35.2
33°	34.4	30.0	29.1	27.3	23.8	26.4	31.7	33.5
34°	30.0	26.4	25.6	24.7	22.0	24.7	30.0	32.6
35°	25.6	23.8	22.9	22.0	20.3	23.8	29.1	31.7
36°	22.9	20.3	20.3	19.4	19.4	22.9	28.2	30.8
37°	19.4	18.5	17.6	17.6	17.6	21.1	26.4	30.0
38°	16.7	15.9	15.9	15.9	16.7	20.3	25.6	29.1
39°	14.1	14.1	14.1	14.1	15.9	19.4	24.7	28.2
40°	12.3	12.3	12.3	12.3	15.0	18.5	23.8	27.3
42.5°	8.8	8.8	8.8	9.7	12.3	16.7	21.1	25.6
45°	7.0	7.0	7.0	7.9	11.5	15.0	19.4	22.9
47.5°	5.3	5.3	6.2	7.0	9.7	13.2	17.6	21.1
50°	4.4	5.3	5.3	6.2	8.8	12.3	15.0	18.5
51°	4.4	4.4	5.3	5.3	7.9	11.5	14.1	17.6
52°	4.4	4.4	5.3	5.3	7.9	10.6	14.1	15.9
53°	4.4	4.4	5.3	5.3	7.9	10.6	13.2	15.0
54°	4.4	4.4	5.3	5.3	7.0	9.7	12.3	14.1
55°	4.4	4.4	5.3	5.3	7.0	9.7	12.3	12.3
57.5°	4.4	4.4	4.4	5.3	6.2	8.8	10.6	10.6
60°	4.4	4.4	4.4	4.4	6.2	7.9	9.7	7.0



TEST NUMBER: P208907

CATALOG NUMBER: LDSQA6A30940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.4	4.4	4.4	4.4	5.3	7.0	7.9	5.3
64°	4.4	4.4	4.4	5.3	5.3	7.0	7.0	5.3
65°	4.4	4.4	4.4	4.4	5.3	6.2	7.0	5.3
66°	4.4	4.4	4.4	4.4	5.3	6.2	6.2	5.3
67.5°	4.4	4.4	4.4	4.4	5.3	6.2	6.2	4.4
70°	4.4	4.4	4.4	4.4	5.3	5.3	5.3	4.4
72.5°	4.4	4.4	4.4	4.4	4.4	5.3	4.4	3.5
75°	4.4	4.4	5.3	5.3	4.4	4.4	3.5	3.5
77.5°	4.4	4.4	5.3	5.3	4.4	4.4	3.5	2.6
80°	4.4	4.4	5.3	5.3	4.4	3.5	2.6	2.6
82.5°	4.4	4.4	5.3	5.3	4.4	3.5	2.6	1.8
85°	4.4	4.4	5.3	5.3	4.4	3.5	1.8	1.8
87.5°	4.4	4.4	5.3	5.3	4.4	2.6	1.8	0.9
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°	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5	4.4	4.4
62°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6





61°	4.4	4.4	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
62°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6





61°	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
62°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4





61°	4.4	4.4	4.4	4.4	6.2	7.9	8.8	6.2
62°	4.4	4.4	4.4	4.4	6.2	7.9	7.9	6.2



(END OF REPORT)