

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: P208906

Luminaire Tested: **LDSQA6A30935D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208906
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: LDSQA6A30935D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2466.8 lumens
Efficiency: N/A
Efficacy: 55.3 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

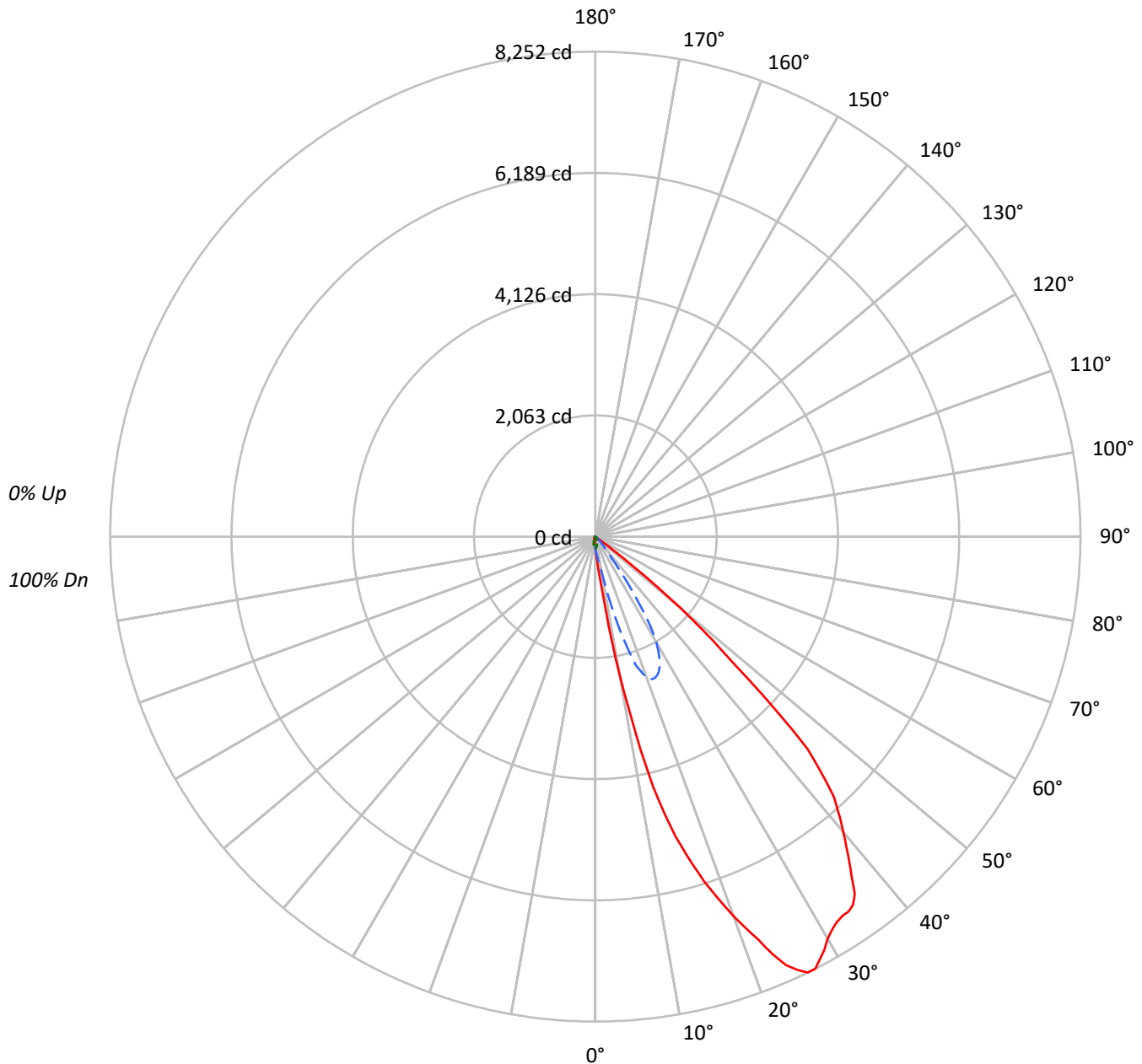
Input Watts (W): 44.62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	54	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°	8430	8430	8430
5°	20668	8043	4443
10°	104748	6672	3248
15°	235630	5055	2581
20°	314707	3551	2167
25°	386657	2480	1900
30°	392675	1705	1745
35°	401762	1072	1545
40°	368936	641	1422
45°	310697	444	1291
50°	127086	382	1145
55°	6185	368	856
60°	353	353	560
65°	82	418	499
70°	101	516	516
75°	0	815	549
80°	0	1215	595
85°	0	2421	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	1.2
10°-20°	326.1	13.2
20°-30°	750.9	30.4
30°-40°	825.8	33.5
40°-50°	484.4	19.6
50°-60°	39.5	1.6
60°-70°	4.0	0.2
70°-80°	3.4	0.1
80°-90°	2.7	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°	1107.1	44.9
0°-40°	1932.9	78.4
0°-60°	2456.7	99.6
0°-90°	2466.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2466.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	196	196	196	196	196	
5°	478	330	186	115	103	101
15°	5286	1728	113	62	58	1492
25°	8139	2546	52	36	40	3647
35°	7644	916	20	22	29	4656
45°	5103	102	7	14	21	3534
55°	82	5	5	9	11	329
65°	1	2	4	6	5	1
75°	0	2	5	4	3	0
85°	0	2	5	3	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°	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8
2.5°	301.9	295.4	293.8	293.0	288.1	290.5	292.1	288.1	288.1	288.1	279.1
5°	478.2	460.2	457.8	453.7	441.5	441.5	443.1	432.5	428.4	413.7	400.7
7.5°	980.9	913.1	945.0	927.0	877.2	860.9	857.6	812.8	785.0	729.5	678.9
10°	2395.9	2244.1	2290.6	2241.6	2125.7	2052.3	2052.3	1926.6	1832.8	1668.0	1501.5
11°	2993.2	2898.5	2945.9	2888.7	2752.5	2661.9	2659.4	2511.7	2396.7	2193.5	1986.2
12°	3708.8	3563.6	3533.4	3547.3	3394.7	3291.0	3278.8	3116.4	2986.7	2751.6	2515.0
13°	4364.9	4267.0	4164.2	4170.7	4010.8	3904.7	3878.6	3708.0	3570.9	3316.3	3054.4
14°	4852.1	4797.4	4708.5	4698.7	4554.2	4447.3	4415.5	4241.7	4098.1	3841.8	3566.8
15°	5286.2	5234.8	5150.8	5128.7	4990.0	4881.5	4844.7	4663.6	4516.7	4275.2	4009.1
17.5°	6147.1	6113.7	6081.0	5992.9	5887.6	5729.3	5677.9	5467.4	5276.4	5058.5	4768.0
20°	6868.5	6823.6	6755.1	6683.3	6550.2	6378.9	6343.0	6089.2	5889.3	5672.2	5332.7
21°	7132.1	7088.0	7014.6	6932.1	6781.2	6600.0	6550.2	6282.6	6072.0	5846.8	5501.6
22°	7395.6	7354.0	7278.9	7174.5	7007.2	6804.0	6729.8	6447.4	6225.5	5977.4	5630.6
23°	7722.1	7624.1	7542.5	7414.4	7217.7	6987.6	6887.3	6582.9	6349.5	6090.8	5737.5
24°	7980.7	7881.2	7785.7	7629.8	7407.9	7152.5	7024.3	6700.4	6462.1	6182.2	5825.6
25°	8139.0	8087.6	7987.3	7810.2	7569.5	7290.4	7140.2	6796.7	6536.4	6258.9	5898.2
26°	8252.5	8198.6	8112.1	7926.9	7696.8	7412.8	7230.0	6877.5	6608.2	6308.7	5946.4
27°	8248.4	8215.7	8143.1	7979.9	7786.5	7497.6	7305.1	6931.3	6645.7	6334.0	5965.1
28°	8139.0	8139.0	8106.4	7974.2	7807.7	7535.2	7332.0	6941.1	6649.8	6328.3	5952.9
29°	8039.5	8014.2	8020.7	7917.1	7775.1	7509.1	7312.4	6912.6	6619.6	6291.6	5916.2
30°	7898.3	7891.0	7919.5	7836.3	7718.8	7453.6	7249.6	6853.0	6560.0	6231.2	5857.4
31°	7810.2	7790.6	7818.3	7749.0	7620.0	7348.3	7154.1	6767.3	6481.7	6153.6	5785.6
32°	7744.1	7720.4	7753.1	7663.3	7522.9	7254.5	7047.2	6673.5	6379.7	6068.0	5694.2
33°	7704.1	7696.8	7709.0	7587.4	7407.1	7127.2	6939.5	6573.1	6281.8	5971.7	5593.9
34°	7696.8	7681.2	7660.0	7485.4	7290.4	7006.4	6817.9	6461.3	6176.5	5858.2	5471.5
35°	7643.7	7609.4	7561.3	7344.2	7125.5	6853.8	6675.9	6332.4	6044.3	5722.8	5319.7
36°	7506.6	7448.7	7396.5	7170.4	6943.6	6689.8	6522.5	6186.3	5899.0	5566.9	5145.9
37°	7243.0	7223.5	7159.8	6967.2	6760.0	6516.0	6354.4	6033.7	5736.7	5388.2	4951.6
38°	7014.6	6993.3	6934.6	6760.8	6572.3	6338.1	6177.3	5837.0	5553.9	5187.5	4739.5
39°	6782.8	6764.0	6719.2	6529.8	6365.8	6145.5	5984.7	5644.4	5354.8	4964.7	4505.3
40°	6564.1	6545.3	6504.5	6316.9	6154.5	5944.7	5781.5	5434.7	5162.2	4722.3	4236.8
42.5°	6006.8	5943.1	5890.9	5710.5	5565.3	5347.4	5171.2	4814.6	4432.7	3966.7	3479.5
45°	5102.6	5023.5	4961.4	4845.6	4687.3	4519.2	4280.9	3895.7	3500.8	3050.3	2386.9
47.5°	3185.8	3074.8	3003.8	2871.6	2693.7	2578.6	2515.8	2312.6	2043.3	1844.2	1339.9
50°	1897.3	1815.7	1756.1	1564.3	1428.9	1260.8	1100.8	805.4	646.3	488.8	404.7
51°	1364.4	1297.5	1262.4	1104.1	1001.3	881.3	768.7	560.6	451.3	341.1	281.5
52°	789.9	738.5	736.9	634.9	594.9	545.9	466.8	369.7	315.8	247.3	211.4
53°	367.2	337.0	342.7	295.4	279.9	273.4	270.9	215.4	210.5	184.4	155.9
54°	164.8	151.0	141.2	136.3	132.2	133.8	137.1	124.0	119.1	115.9	106.1
55°	82.4	75.1	71.0	75.1	66.9	67.7	70.2	65.3	63.7	63.7	62.0
57.5°	18.0	17.1	17.1	18.0	17.1	17.1	18.0	18.0	18.0	17.1	17.1
60°	4.1	4.1	4.1	4.1	4.9	4.9	4.9	4.9	5.7	6.5	6.5



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
64°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
66°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.6
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
80°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	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



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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°	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8
2.5°	278.3	271.7	272.6	267.7	264.4	261.9	264.4	257.0	255.4	248.1	244.0
5°	397.4	381.9	377.0	365.6	352.5	346.0	343.5	329.7	322.3	308.5	300.3
7.5°	656.9	607.9	579.4	545.9	505.1	484.7	458.6	433.3	405.6	379.5	361.5
10°	1428.9	1273.0	1156.3	1036.4	874.0	792.4	687.9	611.2	534.5	474.1	436.6
11°	1893.2	1694.9	1537.4	1370.9	1155.5	1038.8	886.2	760.5	627.5	535.3	474.9
12°	2395.9	2158.4	1964.2	1747.1	1483.5	1326.9	1135.9	969.4	784.2	642.2	538.6
13°	2902.6	2630.1	2405.6	2142.9	1843.4	1641.8	1416.6	1211.0	979.2	798.1	647.9
14°	3393.0	3093.6	2844.7	2539.5	2214.7	1971.5	1715.3	1468.8	1195.5	975.2	786.6
15°	3831.2	3514.6	3254.3	2924.6	2583.5	2302.0	2014.8	1728.3	1443.5	1162.8	938.4
17.5°	4585.2	4252.3	3996.1	3649.3	3312.2	2991.6	2662.7	2290.6	1938.9	1590.4	1325.2
20°	5155.7	4754.2	4447.3	4036.9	3652.5	3291.0	2943.4	2564.0	2216.3	1840.1	1538.2
21°	5300.9	4884.7	4571.4	4160.1	3745.6	3363.7	2998.1	2599.9	2239.2	1859.7	1559.4
22°	5424.1	5006.3	4670.9	4239.3	3815.7	3411.8	3031.5	2612.9	2237.5	1845.9	1543.9
23°	5518.0	5092.8	4751.7	4308.6	3870.4	3446.9	3047.0	2607.2	2218.0	1817.3	1508.0
24°	5606.9	5172.0	4816.2	4351.9	3902.2	3452.6	3038.9	2584.4	2185.3	1774.0	1459.9
25°	5664.0	5225.0	4851.3	4373.1	3903.9	3437.1	3012.0	2546.0	2135.5	1715.3	1397.0
26°	5704.8	5250.3	4863.5	4365.7	3890.8	3406.1	2969.5	2488.9	2067.0	1642.7	1324.4
27°	5711.4	5248.7	4848.0	4340.4	3847.6	3347.3	2901.0	2408.9	1978.9	1558.6	1245.3
28°	5686.9	5218.5	4808.8	4291.5	3787.2	3269.0	2812.0	2312.6	1880.9	1465.6	1157.9
29°	5643.6	5167.9	4741.9	4211.5	3692.5	3163.7	2705.1	2200.8	1770.8	1360.3	1061.6
30°	5575.1	5094.4	4656.2	4117.7	3584.0	3044.6	2581.1	2070.3	1636.1	1231.4	936.0
31°	5492.7	4999.8	4540.4	3988.7	3447.7	2904.2	2437.5	1896.4	1463.1	1069.0	785.8
32°	5385.8	4879.8	4407.4	3845.9	3295.1	2743.5	2240.8	1674.5	1257.5	880.5	623.4
33°	5267.4	4746.8	4249.0	3661.5	3125.4	2528.0	1982.9	1423.1	1028.2	681.4	458.6
34°	5121.4	4587.7	4080.9	3473.8	2907.5	2248.2	1651.6	1152.2	791.5	487.2	311.7
35°	4952.5	4404.1	3876.9	3252.7	2614.5	1925.8	1343.2	916.4	566.3	324.8	226.9
36°	4755.8	4205.0	3660.7	2966.3	2280.8	1588.8	1045.3	671.6	387.6	247.3	195.0
37°	4543.6	3982.2	3371.0	2667.6	1922.6	1256.7	777.7	472.5	293.0	219.5	168.9
38°	4305.4	3744.7	3043.0	2297.1	1562.7	949.9	555.7	352.5	252.2	191.0	144.4
39°	4041.8	3451.8	2667.6	1907.1	1215.9	684.6	423.5	289.7	217.9	164.8	124.9
40°	3749.6	3038.9	2258.8	1521.9	904.2	493.7	345.2	250.5	190.1	141.2	106.1
42.5°	2776.9	2015.6	1242.8	718.1	426.8	307.6	229.3	176.3	124.9	84.9	54.7
45°	1668.8	1029.0	545.1	372.9	270.1	206.5	147.7	102.0	59.6	36.7	25.3
47.5°	745.8	430.0	305.2	240.7	174.6	123.2	71.8	43.2	26.9	18.8	13.9
50°	290.5	235.8	182.0	138.7	84.1	49.0	31.0	20.4	13.9	9.8	6.5
51°	224.4	182.8	142.0	102.0	56.3	34.3	22.8	15.5	10.6	7.3	4.9
52°	172.2	140.4	106.9	68.5	38.4	26.1	18.0	11.4	8.2	4.9	4.1
53°	126.5	107.7	74.3	48.1	27.7	19.6	13.9	9.0	5.7	4.1	3.3
54°	87.3	74.3	47.3	30.2	20.4	14.7	9.8	6.5	4.1	3.3	3.3
55°	53.0	46.5	31.0	22.0	14.7	10.6	7.3	4.9	3.3	2.4	2.4
57.5°	16.3	14.7	12.2	9.8	6.5	4.9	3.3	2.4	2.4	2.4	2.4
60°	5.7	5.7	4.9	4.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4



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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°	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
64°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	3.3
65°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	3.3
66°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	3.3
67.5°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	3.3
70°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	3.3	3.3
72.5°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	3.3	3.3
75°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3
77.5°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3
80°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.3	3.3	3.3
82.5°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.3	3.3	3.3
85°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.3	3.3	3.3
87.5°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3
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: P208906

CATALOG NUMBER: LDSQA6A30935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8
2.5°	240.7	236.6	233.4	230.1	226.0	223.6	221.1	216.2	213.8	208.1	204.0
5°	291.3	282.3	273.4	264.4	256.2	249.7	243.2	234.2	227.7	217.9	209.7
7.5°	341.9	324.0	307.6	293.8	279.1	268.5	256.2	243.2	231.8	218.7	206.5
10°	399.0	365.6	337.8	313.4	292.1	275.0	258.7	240.7	226.9	209.7	195.8
11°	423.5	383.5	349.3	319.9	295.4	275.8	257.0	237.5	222.0	204.8	189.3
12°	459.4	400.7	360.7	326.4	297.0	275.0	254.6	233.4	217.1	199.1	183.6
13°	519.8	431.7	372.1	330.5	299.5	273.4	250.5	227.7	210.5	191.8	175.4
14°	620.2	486.4	395.8	337.8	299.5	271.7	245.6	221.1	202.4	183.6	167.3
15°	742.6	575.3	441.5	353.3	298.7	268.5	240.7	214.6	194.2	174.6	156.7
17.5°	1055.9	832.3	637.3	468.4	342.7	262.8	222.8	192.6	170.5	148.5	132.2
20°	1243.6	989.0	770.3	575.3	413.7	288.1	207.3	168.1	144.4	124.9	109.3
21°	1266.5	1009.4	785.0	588.4	421.9	291.3	202.4	157.5	133.8	114.2	100.4
22°	1259.1	1003.7	778.5	581.0	413.7	284.0	193.4	147.7	124.0	105.3	91.4
23°	1223.2	971.9	747.5	551.6	391.7	266.8	180.3	137.1	114.2	96.3	83.2
24°	1171.0	918.8	700.2	508.4	352.5	236.6	161.6	125.7	104.5	88.1	77.5
25°	1109.0	858.5	640.6	459.4	306.0	203.2	142.0	114.2	94.7	80.0	71.0
26°	1039.6	793.2	578.6	403.9	257.0	170.5	125.7	103.6	84.9	71.8	64.5
27°	965.4	722.2	513.3	343.5	213.8	145.3	113.4	92.2	76.7	66.1	58.8
28°	886.2	651.2	442.3	286.4	177.1	127.3	102.0	82.4	68.5	59.6	53.9
29°	797.3	568.0	373.7	234.2	146.1	112.6	90.6	73.4	62.0	54.7	49.8
30°	685.5	474.1	299.5	188.5	125.7	100.4	80.8	66.1	56.3	50.6	45.7
31°	558.2	368.8	227.7	149.3	109.3	88.9	71.8	59.6	51.4	46.5	41.6
32°	421.9	268.5	169.7	124.0	96.3	78.3	63.7	53.9	47.3	41.6	38.4
33°	297.0	191.8	137.1	107.7	84.1	68.5	57.1	49.0	43.2	37.5	34.3
34°	204.0	154.2	119.1	93.0	73.4	61.2	51.4	44.1	38.4	33.5	30.2
35°	172.2	134.6	102.8	80.0	63.7	53.9	45.7	39.2	33.5	29.4	26.1
36°	148.5	116.7	88.1	70.2	55.5	46.5	40.0	33.5	28.6	24.5	22.8
37°	128.1	100.4	75.9	60.4	47.3	39.2	32.6	27.7	24.5	21.2	19.6
38°	111.0	84.9	64.5	51.4	39.2	31.8	26.9	22.8	20.4	18.0	16.3
39°	94.7	71.0	52.2	40.8	31.0	26.1	22.0	19.6	17.1	15.5	13.9
40°	78.3	56.3	40.0	31.8	24.5	21.2	18.0	16.3	13.9	13.1	12.2
42.5°	36.7	26.9	21.2	18.0	14.7	13.1	11.4	9.8	9.0	8.2	8.2
45°	18.8	15.5	11.4	9.8	8.2	7.3	6.5	5.7	5.7	5.7	5.7
47.5°	9.8	7.3	5.7	4.9	4.1	4.1	4.1	4.1	4.1	4.1	4.1
50°	4.9	3.3	3.3	3.3	2.4	3.3	3.3	3.3	3.3	4.1	4.1
51°	3.3	3.3	2.4	2.4	2.4	3.3	3.3	3.3	3.3	4.1	4.1
52°	3.3	2.4	2.4	2.4	2.4	3.3	3.3	3.3	3.3	4.1	4.1
53°	2.4	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3	4.1	4.1
54°	2.4	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3	4.1	4.1
55°	2.4	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3	3.3	4.1
57.5°	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3	3.3	3.3	4.1
60°	2.4	2.4	2.4	2.4	3.3	3.3	3.3	3.3	3.3	3.3	4.1



TEST NUMBER: P208906

CATALOG NUMBER: LDSQA6A30935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1
64°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1
66°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1	4.1
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1	4.1
70°	3.3	3.3	3.3	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1
72.5°	3.3	3.3	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1
75°	3.3	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
80°	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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: P208906

CATALOG NUMBER: LDSQA6A30935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8
2.5°	204.0	196.7	197.5	193.4	161.6	144.4	135.5	128.9
5°	205.6	195.0	192.6	186.1	134.6	115.1	106.9	102.8
7.5°	199.9	186.1	181.2	172.2	114.2	96.3	89.8	86.5
10°	186.9	171.4	163.2	152.6	97.9	83.2	76.7	74.3
11°	180.3	164.0	155.9	145.3	92.2	78.3	72.6	70.2
12°	173.0	155.9	148.5	137.1	86.5	73.4	68.5	66.1
13°	164.8	147.7	140.4	129.7	80.8	69.4	65.3	62.8
14°	155.0	139.5	132.2	122.4	75.9	65.3	62.0	60.4
15°	146.1	131.4	123.2	113.4	71.8	62.0	59.6	57.9
17.5°	122.4	109.3	102.8	94.7	60.4	53.0	53.0	52.2
20°	100.4	88.9	84.1	77.5	50.6	46.5	47.3	47.3
21°	92.2	82.4	77.5	71.8	48.1	44.1	45.7	45.7
22°	84.1	75.1	71.8	66.1	44.9	41.6	44.1	44.1
23°	77.5	68.5	66.1	61.2	41.6	40.0	42.4	42.4
24°	71.0	63.7	60.4	56.3	39.2	37.5	40.8	41.6
25°	65.3	57.9	55.5	52.2	36.7	35.9	39.2	40.0
26°	59.6	53.0	51.4	48.1	34.3	34.3	37.5	39.2
27°	54.7	49.8	47.3	44.1	31.8	32.6	36.7	37.5
28°	50.6	45.7	43.2	40.8	29.4	31.0	35.1	36.7
29°	46.5	41.6	40.0	37.5	27.7	29.4	33.5	35.9
30°	42.4	38.4	36.7	34.3	26.1	27.7	32.6	35.1
31°	39.2	35.1	33.5	31.0	24.5	26.9	31.0	33.5
32°	35.1	31.8	30.2	28.6	22.8	25.3	30.2	32.6
33°	31.8	27.7	26.9	25.3	22.0	24.5	29.4	31.0
34°	27.7	24.5	23.7	22.8	20.4	22.8	27.7	30.2
35°	23.7	22.0	21.2	20.4	18.8	22.0	26.9	29.4
36°	21.2	18.8	18.8	18.0	18.0	21.2	26.1	28.6
37°	18.0	17.1	16.3	16.3	16.3	19.6	24.5	27.7
38°	15.5	14.7	14.7	14.7	15.5	18.8	23.7	26.9
39°	13.1	13.1	13.1	13.1	14.7	18.0	22.8	26.1
40°	11.4	11.4	11.4	11.4	13.9	17.1	22.0	25.3
42.5°	8.2	8.2	8.2	9.0	11.4	15.5	19.6	23.7
45°	6.5	6.5	6.5	7.3	10.6	13.9	18.0	21.2
47.5°	4.9	4.9	5.7	6.5	9.0	12.2	16.3	19.6
50°	4.1	4.9	4.9	5.7	8.2	11.4	13.9	17.1
51°	4.1	4.1	4.9	4.9	7.3	10.6	13.1	16.3
52°	4.1	4.1	4.9	4.9	7.3	9.8	13.1	14.7
53°	4.1	4.1	4.9	4.9	7.3	9.8	12.2	13.9
54°	4.1	4.1	4.9	4.9	6.5	9.0	11.4	13.1
55°	4.1	4.1	4.9	4.9	6.5	9.0	11.4	11.4
57.5°	4.1	4.1	4.1	4.9	5.7	8.2	9.8	9.8
60°	4.1	4.1	4.1	4.1	5.7	7.3	9.0	6.5



TEST NUMBER: P208906

CATALOG NUMBER: LDSQA6A30935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.1	4.1	4.1	4.1	4.9	6.5	7.3	4.9
64°	4.1	4.1	4.1	4.9	4.9	6.5	6.5	4.9
65°	4.1	4.1	4.1	4.1	4.9	5.7	6.5	4.9
66°	4.1	4.1	4.1	4.1	4.9	5.7	5.7	4.9
67.5°	4.1	4.1	4.1	4.1	4.9	5.7	5.7	4.1
70°	4.1	4.1	4.1	4.1	4.9	4.9	4.9	4.1
72.5°	4.1	4.1	4.1	4.1	4.1	4.9	4.1	3.3
75°	4.1	4.1	4.9	4.9	4.1	4.1	3.3	3.3
77.5°	4.1	4.1	4.9	4.9	4.1	4.1	3.3	2.4
80°	4.1	4.1	4.9	4.9	4.1	3.3	2.4	2.4
82.5°	4.1	4.1	4.9	4.9	4.1	3.3	2.4	1.6
85°	4.1	4.1	4.9	4.9	4.1	3.3	1.6	1.6
87.5°	4.1	4.1	4.9	4.9	4.1	2.4	1.6	0.8
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°	2.4	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3	4.1	4.1
62°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4





61°	4.1	4.1	3.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
62°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4





61°	2.4	2.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1
62°	2.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1





61°	4.1	4.1	4.1	4.1	5.7	7.3	8.2	5.7
62°	4.1	4.1	4.1	4.1	5.7	7.3	7.3	5.7



(END OF REPORT)