

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: P208898

Luminaire Tested: **LDSQA6A20935D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208898
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: LDSQA6A20935D010TE 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: 1773.0 lumens
Efficiency: N/A
Efficacy: 61.5 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

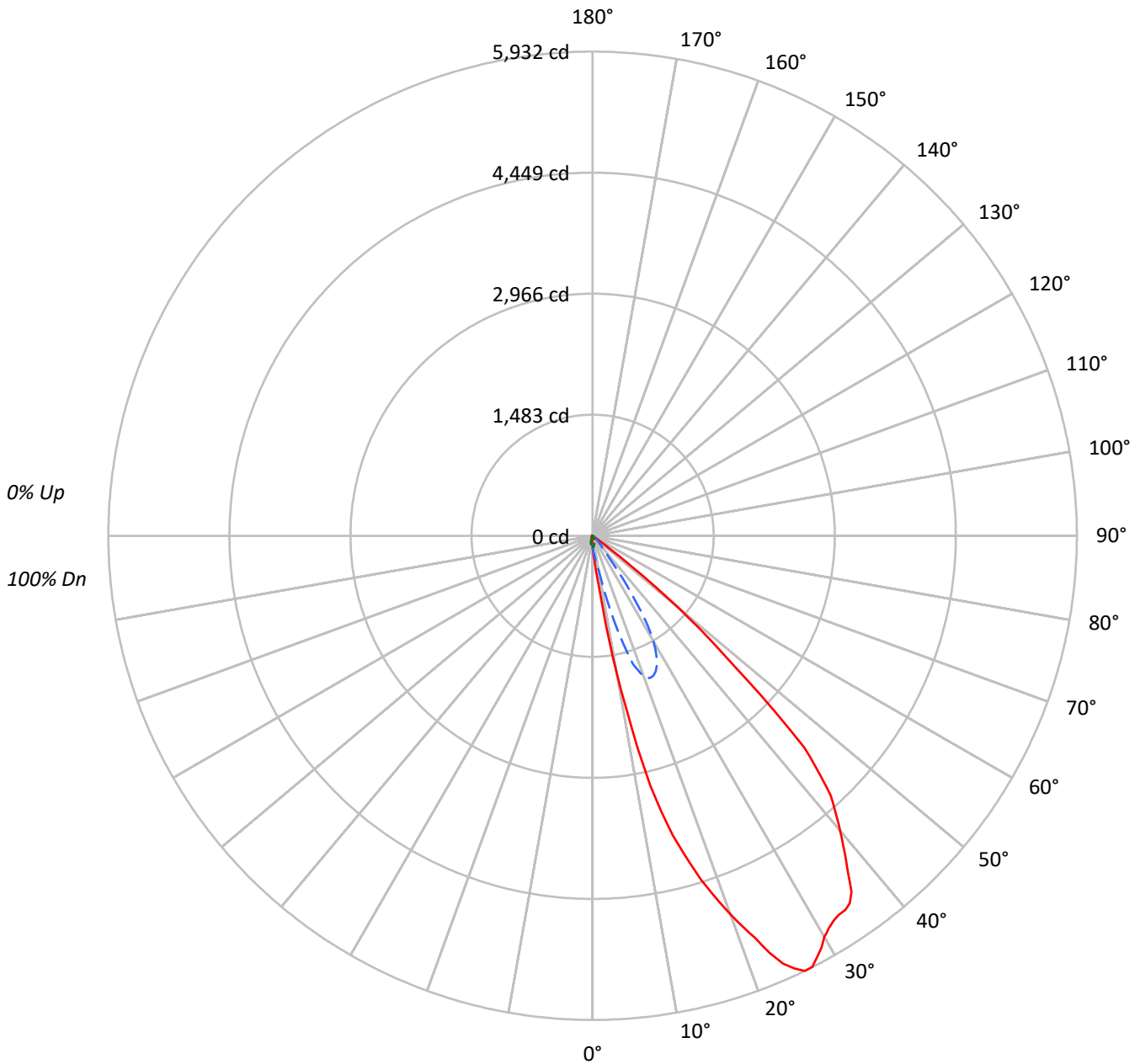
Input Watts (W): 28.81
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	55	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°	6062	6062	6062
5°	14855	5779	3194
10°	75286	4796	2335
15°	169361	3633	1854
20°	226194	2552	1558
25°	277909	1781	1363
30°	282235	1223	1253
35°	288766	773	1109
40°	265176	461	1023
45°	223314	323	926
50°	91344	275	824
55°	4444	263	616
60°	250	250	405
65°	61	295	357
70°	76	365	365
75°	0	582	383
80°	0	868	446
85°	0	1729	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	1.2
10°-20°	234.4	13.2
20°-30°	539.7	30.4
30°-40°	593.5	33.5
40°-50°	348.1	19.6
50°-60°	28.4	1.6
60°-70°	2.9	0.2
70°-80°	2.4	0.1
80°-90°	1.9	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°	795.7	44.9
0°-40°	1389.2	78.4
0°-60°	1765.8	99.6
0°-90°	1773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1773.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	141	141	141	141	141	
5°	344	237	134	83	74	72
15°	3800	1242	82	45	42	1072
25°	5850	1830	38	26	29	2621
35°	5494	659	15	16	21	3347
45°	3668	73	5	10	15	2540
55°	59	4	4	6	8	237
65°	1	2	3	4	4	1
75°	0	2	4	3	2	0
85°	0	2	4	2	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°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8
2.5°	217.0	212.3	211.1	210.6	207.0	208.8	210.0	207.0	207.0	207.0	200.6
5°	343.7	330.8	329.0	326.1	317.3	317.3	318.5	310.9	307.9	297.4	288.0
7.5°	705.0	656.3	679.2	666.3	630.5	618.8	616.4	584.2	564.2	524.3	488.0
10°	1722.0	1612.9	1646.4	1611.2	1527.9	1475.1	1475.1	1384.8	1317.3	1198.8	1079.2
11°	2151.3	2083.3	2117.3	2076.3	1978.3	1913.2	1911.5	1805.3	1722.6	1576.6	1427.6
12°	2665.7	2561.3	2539.6	2549.6	2439.9	2365.4	2356.6	2239.9	2146.7	1977.7	1807.6
13°	3137.3	3066.9	2993.0	2997.7	2882.7	2806.5	2787.7	2665.1	2566.6	2383.6	2195.3
14°	3487.4	3448.1	3384.2	3377.2	3273.4	3196.5	3173.7	3048.7	2945.5	2761.3	2563.7
15°	3799.5	3762.5	3702.1	3686.3	3586.6	3508.6	3482.2	3352.0	3246.4	3072.8	2881.6
17.5°	4418.2	4394.2	4370.7	4307.4	4231.7	4117.9	4081.0	3929.7	3792.4	3635.8	3427.0
20°	4936.7	4904.5	4855.2	4803.6	4708.0	4584.8	4559.0	4376.6	4232.9	4076.9	3832.9
21°	5126.2	5094.5	5041.7	4982.5	4874.0	4743.8	4708.0	4515.6	4364.3	4202.4	3954.3
22°	5315.6	5285.7	5231.7	5156.7	5036.4	4890.4	4837.0	4634.1	4474.5	4296.2	4047.0
23°	5550.2	5479.8	5421.2	5329.1	5187.8	5022.4	4950.2	4731.4	4563.7	4377.8	4123.8
24°	5736.2	5664.6	5596.0	5483.9	5324.4	5140.8	5048.8	4815.9	4644.6	4443.5	4187.2
25°	5849.9	5813.0	5740.8	5613.6	5440.5	5240.0	5132.0	4885.1	4698.0	4498.6	4239.4
26°	5931.5	5892.8	5830.6	5697.4	5532.0	5327.9	5196.6	4943.2	4749.6	4534.4	4274.0
27°	5928.5	5905.1	5852.9	5735.6	5596.6	5388.9	5250.5	4981.9	4776.6	4552.6	4287.4
28°	5849.9	5849.9	5826.5	5731.5	5611.8	5415.9	5269.9	4988.9	4779.5	4548.5	4278.7
29°	5778.4	5760.2	5764.9	5690.4	5588.3	5397.1	5255.8	4968.4	4757.8	4522.1	4252.3
30°	5676.9	5671.6	5692.2	5632.3	5547.9	5357.3	5210.6	4925.6	4715.0	4478.7	4210.0
31°	5613.6	5599.5	5619.4	5569.6	5476.9	5281.6	5142.0	4864.0	4658.7	4422.9	4158.4
32°	5566.1	5549.1	5572.5	5508.0	5407.1	5214.1	5065.2	4796.5	4585.4	4361.4	4092.7
33°	5537.3	5532.0	5540.8	5453.4	5323.8	5122.7	4987.8	4724.4	4515.0	4292.1	4020.6
34°	5532.0	5520.9	5505.6	5380.1	5240.0	5035.8	4900.4	4644.1	4439.4	4210.6	3932.6
35°	5493.9	5469.3	5434.7	5278.7	5121.5	4926.2	4798.3	4551.4	4344.3	4113.3	3823.5
36°	5395.4	5353.7	5316.2	5153.7	4990.7	4808.3	4688.0	4446.4	4239.9	4001.2	3698.6
37°	5205.9	5191.9	5146.1	5007.7	4858.7	4683.3	4567.2	4336.7	4123.2	3872.8	3559.0
38°	5041.7	5026.5	4984.2	4859.3	4723.8	4555.5	4439.9	4195.4	3991.8	3728.5	3406.5
39°	4875.1	4861.7	4829.4	4693.3	4575.4	4417.1	4301.5	4056.9	3848.7	3568.4	3238.2
40°	4718.0	4704.5	4675.1	4540.2	4423.5	4272.8	4155.5	3906.2	3710.3	3394.2	3045.2
42.5°	4317.4	4271.6	4234.1	4104.5	4000.1	3843.5	3716.8	3460.5	3186.0	2851.1	2500.9
45°	3667.5	3610.6	3566.0	3482.7	3369.0	3248.1	3076.9	2800.0	2516.2	2192.4	1715.6
47.5°	2289.8	2210.0	2159.0	2064.0	1936.1	1853.4	1808.2	1662.2	1468.6	1325.5	963.1
50°	1363.7	1305.0	1262.2	1124.4	1027.0	906.2	791.2	578.9	464.5	351.3	290.9
51°	980.7	932.6	907.3	793.6	719.7	633.4	552.5	402.9	324.3	245.2	202.3
52°	567.7	530.8	529.6	456.3	427.6	392.4	335.5	265.7	227.0	177.7	151.9
53°	263.9	242.2	246.3	212.3	201.2	196.5	194.7	154.8	151.3	132.6	112.0
54°	118.5	108.5	101.5	97.9	95.0	96.2	98.5	89.2	85.6	83.3	76.2
55°	59.2	54.0	51.0	54.0	48.1	48.7	50.4	46.9	45.7	45.7	44.6
57.5°	12.9	12.3	12.3	12.9	12.3	12.3	12.9	12.9	12.9	12.3	12.3
60°	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	4.1	4.7	4.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
64°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
66°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
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°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8
2.5°	200.0	195.3	195.9	192.4	190.0	188.3	190.0	184.8	183.6	178.3	175.4
5°	285.6	274.5	271.0	262.8	253.4	248.7	246.9	237.0	231.7	221.7	215.8
7.5°	472.1	437.0	416.4	392.4	363.1	348.4	329.6	311.4	291.5	272.7	259.8
10°	1027.0	915.0	831.1	744.9	628.2	569.5	494.4	439.3	384.2	340.8	313.8
11°	1360.7	1218.2	1105.0	985.4	830.5	746.6	637.0	546.6	451.0	384.8	341.4
12°	1722.0	1551.3	1411.7	1255.7	1066.3	953.7	816.4	696.8	563.6	461.6	387.1
13°	2086.2	1890.3	1729.1	1540.2	1324.9	1180.1	1018.2	870.4	703.8	573.6	465.7
14°	2438.7	2223.5	2044.6	1825.2	1591.8	1417.0	1232.9	1055.7	859.2	700.9	565.4
15°	2753.7	2526.1	2339.0	2102.1	1856.9	1654.6	1448.1	1242.2	1037.6	835.8	674.5
17.5°	3295.6	3056.3	2872.2	2622.9	2380.7	2150.2	1913.8	1646.4	1393.6	1143.1	952.5
20°	3705.6	3417.1	3196.5	2901.5	2625.3	2365.4	2115.6	1842.8	1593.0	1322.6	1105.6
21°	3810.0	3510.9	3285.7	2990.1	2692.1	2417.6	2154.9	1868.6	1609.4	1336.7	1120.8
22°	3898.6	3598.3	3357.2	3047.0	2742.6	2452.2	2178.9	1878.0	1608.2	1326.7	1109.7
23°	3966.0	3660.5	3415.3	3096.8	2781.9	2477.5	2190.1	1873.9	1594.2	1306.2	1083.9
24°	4030.0	3717.4	3461.6	3127.9	2804.7	2481.6	2184.2	1857.5	1570.7	1275.1	1049.3
25°	4071.0	3755.5	3486.9	3143.2	2805.9	2470.4	2164.8	1829.9	1534.9	1232.9	1004.1
26°	4100.4	3773.7	3495.6	3137.9	2796.5	2448.1	2134.3	1788.9	1485.7	1180.7	951.9
27°	4105.0	3772.5	3484.5	3119.7	2765.4	2405.9	2085.1	1731.4	1422.3	1120.3	895.0
28°	4087.4	3750.8	3456.4	3084.5	2722.0	2349.6	2021.1	1662.2	1351.9	1053.4	832.3
29°	4056.4	3714.4	3408.3	3027.0	2654.0	2273.9	1944.3	1581.8	1272.7	977.7	763.1
30°	4007.1	3661.6	3346.7	2959.6	2576.0	2188.3	1855.2	1488.0	1176.0	885.1	672.7
31°	3947.9	3593.6	3263.4	2866.9	2478.0	2087.4	1751.9	1363.1	1051.6	768.3	564.8
32°	3871.0	3507.4	3167.8	2764.3	2368.4	1971.9	1610.6	1203.5	903.8	632.9	448.1
33°	3786.0	3411.8	3054.0	2631.7	2246.4	1817.0	1425.2	1022.9	739.0	489.7	329.6
34°	3681.0	3297.4	2933.2	2496.8	2089.8	1615.9	1187.1	828.2	568.9	350.2	224.1
35°	3559.6	3165.4	2786.5	2337.9	1879.2	1384.2	965.4	658.7	407.0	233.4	163.1
36°	3418.2	3022.3	2631.1	2132.0	1639.3	1142.0	751.3	482.7	278.6	177.7	140.2
37°	3265.7	2862.2	2422.9	1917.3	1381.8	903.2	559.0	339.6	210.6	157.8	121.4
38°	3094.5	2691.5	2187.1	1651.0	1123.2	682.7	399.4	253.4	181.2	137.2	103.8
39°	2905.0	2481.0	1917.3	1370.7	873.9	492.1	304.4	208.2	156.6	118.5	89.7
40°	2695.1	2184.2	1623.5	1093.9	649.9	354.8	248.1	180.1	136.7	101.5	76.2
42.5°	1995.9	1448.7	893.3	516.1	306.7	221.1	164.8	126.7	89.7	61.0	39.3
45°	1199.4	739.6	391.8	268.0	194.1	148.4	106.2	73.3	42.8	26.4	18.2
47.5°	536.1	309.1	219.4	173.0	125.5	88.6	51.6	31.1	19.4	13.5	10.0
50°	208.8	169.5	130.8	99.7	60.4	35.2	22.3	14.7	10.0	7.0	4.7
51°	161.3	131.4	102.1	73.3	40.5	24.6	16.4	11.1	7.6	5.3	3.5
52°	123.8	100.9	76.8	49.3	27.6	18.8	12.9	8.2	5.9	3.5	2.9
53°	90.9	77.4	53.4	34.6	19.9	14.1	10.0	6.5	4.1	2.9	2.3
54°	62.8	53.4	34.0	21.7	14.7	10.6	7.0	4.7	2.9	2.3	2.3
55°	38.1	33.4	22.3	15.8	10.6	7.6	5.3	3.5	2.3	1.8	1.8
57.5°	11.7	10.6	8.8	7.0	4.7	3.5	2.3	1.8	1.8	1.8	1.8
60°	4.1	4.1	3.5	2.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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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°	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
64°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	2.3
65°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	2.3
66°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	2.3
67.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	2.3
70°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.3	2.3
72.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.3	2.3
75°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3
77.5°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	2.3	2.3	2.3
87.5°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3
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: P208898

CATALOG NUMBER: LDSQA6A20935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8
2.5°	173.0	170.1	167.7	165.4	162.5	160.7	158.9	155.4	153.7	149.6	146.6
5°	209.4	202.9	196.5	190.0	184.2	179.5	174.8	168.3	163.6	156.6	150.7
7.5°	245.8	232.8	221.1	211.1	200.6	193.0	184.2	174.8	166.6	157.2	148.4
10°	286.8	262.8	242.8	225.2	210.0	197.7	185.9	173.0	163.1	150.7	140.8
11°	304.4	275.7	251.0	229.9	212.3	198.2	184.8	170.7	159.5	147.2	136.1
12°	330.2	288.0	259.2	234.6	213.5	197.7	183.0	167.7	156.0	143.1	132.0
13°	373.6	310.3	267.5	237.5	215.3	196.5	180.1	163.6	151.3	137.8	126.1
14°	445.8	349.6	284.5	242.8	215.3	195.3	176.5	158.9	145.5	132.0	120.2
15°	533.7	413.5	317.3	254.0	214.7	193.0	173.0	154.3	139.6	125.5	112.6
17.5°	759.0	598.2	458.1	336.7	246.3	188.9	160.1	138.4	122.6	106.7	95.0
20°	893.9	710.9	553.7	413.5	297.4	207.0	149.0	120.8	103.8	89.7	78.6
21°	910.3	725.5	564.2	422.9	303.2	209.4	145.5	113.2	96.2	82.1	72.1
22°	905.0	721.4	559.5	417.6	297.4	204.1	139.0	106.2	89.2	75.7	65.7
23°	879.2	698.5	537.3	396.5	281.5	191.8	129.6	98.5	82.1	69.2	59.8
24°	841.7	660.4	503.2	365.4	253.4	170.1	116.1	90.3	75.1	63.3	55.7
25°	797.1	617.0	460.4	330.2	219.9	146.0	102.1	82.1	68.0	57.5	51.0
26°	747.2	570.1	415.8	290.3	184.8	122.6	90.3	74.5	61.0	51.6	46.3
27°	693.9	519.1	368.9	246.9	153.7	104.4	81.5	66.3	55.1	47.5	42.2
28°	637.0	468.0	317.9	205.9	127.3	91.5	73.3	59.2	49.3	42.8	38.7
29°	573.0	408.2	268.6	168.3	105.0	80.9	65.1	52.8	44.6	39.3	35.8
30°	492.7	340.8	215.3	135.5	90.3	72.1	58.1	47.5	40.5	36.4	32.8
31°	401.2	265.1	163.6	107.3	78.6	63.9	51.6	42.8	37.0	33.4	29.9
32°	303.2	193.0	122.0	89.2	69.2	56.3	45.7	38.7	34.0	29.9	27.6
33°	213.5	137.8	98.5	77.4	60.4	49.3	41.1	35.2	31.1	27.0	24.6
34°	146.6	110.9	85.6	66.9	52.8	44.0	37.0	31.7	27.6	24.0	21.7
35°	123.8	96.8	73.9	57.5	45.7	38.7	32.8	28.2	24.0	21.1	18.8
36°	106.7	83.9	63.3	50.4	39.9	33.4	28.7	24.0	20.5	17.6	16.4
37°	92.1	72.1	54.5	43.4	34.0	28.2	23.5	19.9	17.6	15.2	14.1
38°	79.8	61.0	46.3	37.0	28.2	22.9	19.4	16.4	14.7	12.9	11.7
39°	68.0	51.0	37.5	29.3	22.3	18.8	15.8	14.1	12.3	11.1	10.0
40°	56.3	40.5	28.7	22.9	17.6	15.2	12.9	11.7	10.0	9.4	8.8
42.5°	26.4	19.4	15.2	12.9	10.6	9.4	8.2	7.0	6.5	5.9	5.9
45°	13.5	11.1	8.2	7.0	5.9	5.3	4.7	4.1	4.1	4.1	4.1
47.5°	7.0	5.3	4.1	3.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9
50°	3.5	2.3	2.3	2.3	1.8	2.3	2.3	2.3	2.3	2.9	2.9
51°	2.3	2.3	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.9	2.9
52°	2.3	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.9	2.9
53°	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.9	2.9
54°	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.9	2.9
55°	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.9
57.5°	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.9
60°	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.9



TEST NUMBER: P208898

CATALOG NUMBER: LDSQA6A20935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
64°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
66°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9
72.5°	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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: P208898

CATALOG NUMBER: LDSQA6A20935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8
2.5°	146.6	141.4	141.9	139.0	116.1	103.8	97.4	92.7
5°	147.8	140.2	138.4	133.7	96.8	82.7	76.8	73.9
7.5°	143.7	133.7	130.2	123.8	82.1	69.2	64.5	62.2
10°	134.3	123.2	117.3	109.7	70.4	59.8	55.1	53.4
11°	129.6	117.9	112.0	104.4	66.3	56.3	52.2	50.4
12°	124.3	112.0	106.7	98.5	62.2	52.8	49.3	47.5
13°	118.5	106.2	100.9	93.3	58.1	49.9	46.9	45.2
14°	111.4	100.3	95.0	88.0	54.5	46.9	44.6	43.4
15°	105.0	94.4	88.6	81.5	51.6	44.6	42.8	41.6
17.5°	88.0	78.6	73.9	68.0	43.4	38.1	38.1	37.5
20°	72.1	63.9	60.4	55.7	36.4	33.4	34.0	34.0
21°	66.3	59.2	55.7	51.6	34.6	31.7	32.8	32.8
22°	60.4	54.0	51.6	47.5	32.3	29.9	31.7	31.7
23°	55.7	49.3	47.5	44.0	29.9	28.7	30.5	30.5
24°	51.0	45.7	43.4	40.5	28.2	27.0	29.3	29.9
25°	46.9	41.6	39.9	37.5	26.4	25.8	28.2	28.7
26°	42.8	38.1	37.0	34.6	24.6	24.6	27.0	28.2
27°	39.3	35.8	34.0	31.7	22.9	23.5	26.4	27.0
28°	36.4	32.8	31.1	29.3	21.1	22.3	25.2	26.4
29°	33.4	29.9	28.7	27.0	19.9	21.1	24.0	25.8
30°	30.5	27.6	26.4	24.6	18.8	19.9	23.5	25.2
31°	28.2	25.2	24.0	22.3	17.6	19.4	22.3	24.0
32°	25.2	22.9	21.7	20.5	16.4	18.2	21.7	23.5
33°	22.9	19.9	19.4	18.2	15.8	17.6	21.1	22.3
34°	19.9	17.6	17.0	16.4	14.7	16.4	19.9	21.7
35°	17.0	15.8	15.2	14.7	13.5	15.8	19.4	21.1
36°	15.2	13.5	13.5	12.9	12.9	15.2	18.8	20.5
37°	12.9	12.3	11.7	11.7	11.7	14.1	17.6	19.9
38°	11.1	10.6	10.6	10.6	11.1	13.5	17.0	19.4
39°	9.4	9.4	9.4	9.4	10.6	12.9	16.4	18.8
40°	8.2	8.2	8.2	8.2	10.0	12.3	15.8	18.2
42.5°	5.9	5.9	5.9	6.5	8.2	11.1	14.1	17.0
45°	4.7	4.7	4.7	5.3	7.6	10.0	12.9	15.2
47.5°	3.5	3.5	4.1	4.7	6.5	8.8	11.7	14.1
50°	2.9	3.5	3.5	4.1	5.9	8.2	10.0	12.3
51°	2.9	2.9	3.5	3.5	5.3	7.6	9.4	11.7
52°	2.9	2.9	3.5	3.5	5.3	7.0	9.4	10.6
53°	2.9	2.9	3.5	3.5	5.3	7.0	8.8	10.0
54°	2.9	2.9	3.5	3.5	4.7	6.5	8.2	9.4
55°	2.9	2.9	3.5	3.5	4.7	6.5	8.2	8.2
57.5°	2.9	2.9	2.9	3.5	4.1	5.9	7.0	7.0
60°	2.9	2.9	2.9	2.9	4.1	5.3	6.5	4.7



TEST NUMBER: P208898

CATALOG NUMBER: LDSQA6A20935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.9	2.9	2.9	2.9	3.5	4.7	5.3	3.5
64°	2.9	2.9	2.9	3.5	3.5	4.7	4.7	3.5
65°	2.9	2.9	2.9	2.9	3.5	4.1	4.7	3.5
66°	2.9	2.9	2.9	2.9	3.5	4.1	4.1	3.5
67.5°	2.9	2.9	2.9	2.9	3.5	4.1	4.1	2.9
70°	2.9	2.9	2.9	2.9	3.5	3.5	3.5	2.9
72.5°	2.9	2.9	2.9	2.9	2.9	3.5	2.9	2.3
75°	2.9	2.9	3.5	3.5	2.9	2.9	2.3	2.3
77.5°	2.9	2.9	3.5	3.5	2.9	2.9	2.3	1.8
80°	2.9	2.9	3.5	3.5	2.9	2.3	1.8	1.8
82.5°	2.9	2.9	3.5	3.5	2.9	2.3	1.8	1.2
85°	2.9	2.9	3.5	3.5	2.9	2.3	1.2	1.2
87.5°	2.9	2.9	3.5	3.5	2.9	1.8	1.2	0.6
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°	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.9	2.9
62°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8





61°	2.9	2.9	2.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
62°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8





61°	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
62°	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9





61°	2.9	2.9	2.9	2.9	4.1	5.3	5.9	4.1
62°	2.9	2.9	2.9	2.9	4.1	5.3	5.3	4.1



(END OF REPORT)