

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: P208896

Luminaire Tested: **LDSQA6A20927D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208896
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: LDSQA6A20927D010TE 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 / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1678.5 lumens
Efficiency: N/A
Efficacy: 58.3 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

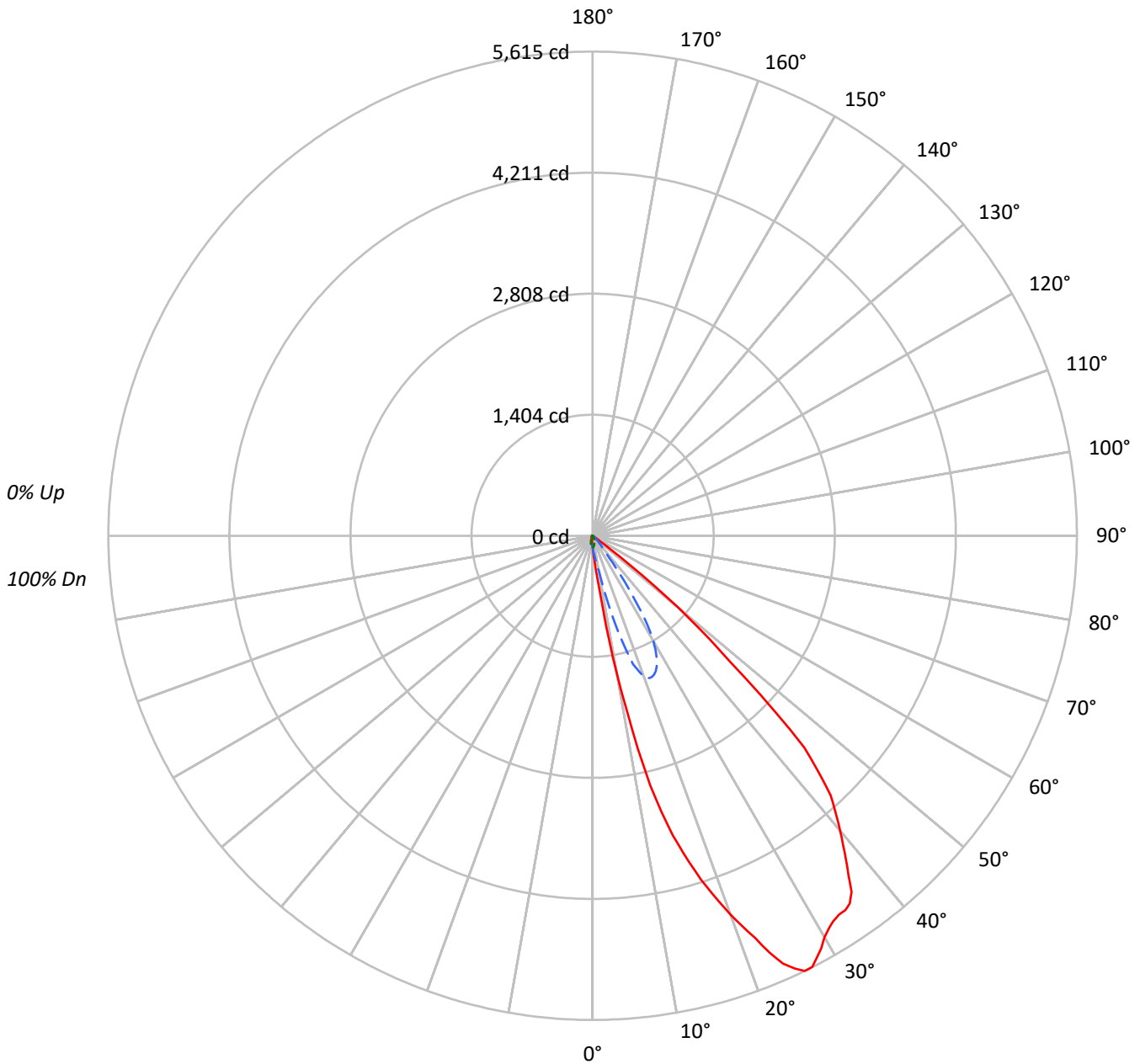
Input Watts (W): 28.81
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	5739	5739	5739
5°	14064	5472	3025
10°	71272	4538	2208
15°	160330	3441	1756
20°	214135	2415	1475
25°	263092	1686	1292
30°	267186	1158	1188
35°	273366	731	1051
40°	251035	438	967
45°	211404	304	877
50°	86468	261	784
55°	4211	248	586
60°	241	241	379
65°	61	285	336
70°	76	352	352
75°	0	549	366
80°	0	818	422
85°	0	1630	543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	1.2
10°-20°	221.9	13.2
20°-30°	511.0	30.4
30°-40°	561.9	33.5
40°-50°	329.6	19.6
50°-60°	26.9	1.6
60°-70°	2.8	0.2
70°-80°	2.3	0.1
80°-90°	1.8	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°	753.3	44.9
0°-40°	1315.2	78.4
0°-60°	1671.6	99.6
0°-90°	1678.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1678.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	133	133	133	133	133	
5°	325	224	127	78	70	68
15°	3597	1176	77	42	39	1015
25°	5538	1732	36	24	27	2481
35°	5201	624	14	15	20	3168
45°	3472	69	5	9	14	2404
55°	56	3	3	6	8	224
65°	1	2	3	4	3	1
75°	0	2	3	3	2	0
85°	0	2	3	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°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	205.4	201.0	199.9	199.3	196.0	197.7	198.8	196.0	196.0	196.0	189.9
5°	325.4	313.2	311.5	308.7	300.4	300.4	301.5	294.3	291.5	281.5	272.6
7.5°	667.4	621.3	643.0	630.8	596.9	585.8	583.6	553.0	534.1	496.4	462.0
10°	1630.2	1526.9	1558.6	1525.2	1446.4	1396.4	1396.4	1310.9	1247.1	1134.9	1021.6
11°	2036.6	1972.2	2004.4	1965.6	1872.8	1811.2	1809.5	1709.0	1630.7	1492.5	1351.5
12°	2523.6	2424.7	2404.2	2413.6	2309.8	2239.3	2231.0	2120.5	2032.2	1872.3	1711.3
13°	2970.0	2903.4	2833.4	2837.8	2729.0	2656.8	2639.1	2523.0	2429.7	2256.5	2078.3
14°	3301.5	3264.3	3203.7	3197.1	3098.8	3026.1	3004.4	2886.1	2788.4	2614.1	2427.0
15°	3596.9	3561.9	3504.7	3489.7	3395.3	3321.5	3296.5	3173.2	3073.3	2908.9	2727.9
17.5°	4182.6	4159.9	4137.7	4077.7	4006.1	3898.3	3863.4	3720.1	3590.2	3441.9	3244.3
20°	4673.5	4642.9	4596.3	4547.4	4456.9	4340.3	4315.9	4143.2	4007.2	3859.5	3628.5
21°	4852.8	4822.8	4772.9	4716.8	4614.1	4490.8	4456.9	4274.8	4131.6	3978.3	3743.4
22°	5032.2	5003.8	4952.8	4881.7	4767.9	4629.6	4579.1	4387.0	4235.9	4067.1	3831.2
23°	5254.2	5187.6	5132.1	5044.9	4911.1	4754.5	4686.2	4479.1	4320.3	4144.3	3903.9
24°	5430.3	5362.5	5297.6	5191.5	5040.5	4866.7	4779.5	4559.1	4397.0	4206.5	3963.9
25°	5538.0	5503.0	5434.7	5314.2	5150.4	4960.5	4858.4	4624.6	4447.5	4258.7	4013.3
26°	5615.2	5578.5	5519.7	5393.6	5237.0	5043.8	4919.4	4679.6	4496.3	4292.6	4046.0
27°	5612.4	5590.2	5540.8	5429.7	5298.1	5101.6	4970.5	4716.2	4521.9	4309.8	4058.8
28°	5538.0	5538.0	5515.8	5425.8	5312.5	5127.1	4988.8	4722.9	4524.7	4305.9	4050.5
29°	5470.2	5453.0	5457.5	5387.0	5290.3	5109.3	4975.5	4703.4	4504.1	4280.9	4025.5
30°	5374.2	5369.2	5388.6	5332.0	5252.0	5071.6	4932.8	4662.9	4463.6	4239.8	3985.5
31°	5314.2	5300.9	5319.8	5272.6	5184.8	4999.9	4867.8	4604.6	4410.3	4187.1	3936.7
32°	5269.2	5253.1	5275.3	5214.3	5118.8	4936.1	4795.1	4540.8	4340.9	4128.8	3874.5
33°	5242.0	5237.0	5245.4	5162.6	5039.9	4849.5	4721.8	4472.5	4274.2	4063.3	3806.2
34°	5237.0	5226.5	5212.1	5093.2	4960.5	4767.3	4639.0	4396.4	4202.6	3986.1	3722.9
35°	5200.9	5177.6	5144.9	4997.2	4848.4	4663.5	4542.4	4308.7	4112.7	3893.9	3619.6
36°	5107.7	5068.2	5032.7	4878.9	4724.5	4551.9	4438.0	4209.3	4013.8	3787.9	3501.4
37°	4928.3	4915.0	4871.7	4740.7	4599.6	4433.6	4323.7	4105.5	3903.3	3666.3	3369.2
38°	4772.9	4758.4	4718.4	4600.2	4471.9	4312.6	4203.2	3971.6	3779.0	3529.7	3224.8
39°	4615.2	4602.4	4571.9	4443.0	4331.4	4181.5	4072.1	3840.6	3643.5	3378.1	3065.5
40°	4466.4	4453.6	4425.8	4298.1	4187.6	4044.9	3933.9	3697.9	3512.5	3213.2	2882.8
42.5°	4087.1	4043.8	4008.3	3885.6	3786.7	3638.5	3518.6	3275.9	3016.1	2699.0	2367.5
45°	3471.9	3418.1	3375.9	3297.0	3189.3	3074.9	2912.8	2650.7	2382.0	2075.5	1624.1
47.5°	2167.7	2092.1	2043.8	1953.9	1832.9	1754.6	1711.8	1573.6	1390.3	1254.8	911.7
50°	1290.9	1235.4	1194.9	1064.4	972.2	857.8	749.0	548.0	439.8	332.6	275.4
51°	928.4	882.8	859.0	751.2	681.3	599.7	523.0	381.5	307.0	232.1	191.6
52°	537.5	502.5	501.4	432.0	404.8	371.5	317.6	251.5	214.9	168.2	143.8
53°	249.9	229.3	233.2	201.0	190.4	186.0	184.3	146.6	143.3	125.5	106.1
54°	112.2	102.7	96.1	92.7	89.9	91.1	93.3	84.4	81.1	78.8	72.2
55°	56.1	51.1	48.3	51.1	45.5	46.1	47.8	44.4	43.3	43.3	42.2
57.5°	12.2	11.7	11.7	12.2	11.7	11.7	12.2	12.2	12.2	11.7	11.7
60°	2.8	2.8	2.8	2.8	3.3	3.3	3.3	3.3	3.9	4.4	4.4



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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	1.1	1.1	1.1
64°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
66°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
80°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
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°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	189.3	184.9	185.5	182.1	179.9	178.2	179.9	174.9	173.8	168.8	166.0
5°	270.4	259.9	256.5	248.7	239.9	235.4	233.8	224.3	219.3	209.9	204.3
7.5°	447.0	413.7	394.2	371.5	343.7	329.8	312.0	294.8	276.0	258.2	246.0
10°	972.2	866.2	786.8	705.2	594.7	539.1	468.1	415.9	363.7	322.6	297.1
11°	1288.2	1153.2	1046.1	932.8	786.2	706.8	603.0	517.5	427.0	364.2	323.2
12°	1630.2	1468.6	1336.5	1188.8	1009.4	902.8	772.9	659.6	533.6	437.0	366.5
13°	1975.0	1789.5	1636.9	1458.1	1254.3	1117.1	963.9	824.0	666.3	543.0	440.9
14°	2308.7	2104.9	1935.6	1727.9	1506.9	1341.5	1167.1	999.4	813.4	663.5	535.3
15°	2606.9	2391.4	2214.3	1990.0	1757.9	1566.3	1370.9	1176.0	982.2	791.2	638.5
17.5°	3119.9	2893.4	2719.0	2483.0	2253.7	2035.5	1811.8	1558.6	1319.3	1082.2	901.7
20°	3508.0	3234.8	3026.1	2746.8	2485.3	2239.3	2002.8	1744.6	1508.0	1252.1	1046.6
21°	3606.8	3323.7	3110.5	2830.6	2548.6	2288.7	2040.0	1769.0	1523.6	1265.4	1061.1
22°	3690.7	3406.4	3178.2	2884.5	2596.3	2321.5	2062.7	1777.9	1522.5	1256.0	1050.5
23°	3754.5	3465.3	3233.2	2931.7	2633.5	2345.3	2073.3	1774.0	1509.1	1236.5	1026.1
24°	3815.1	3519.1	3277.0	2961.1	2655.2	2349.2	2067.7	1758.4	1486.9	1207.1	993.3
25°	3853.9	3555.2	3300.9	2975.5	2656.3	2338.7	2049.4	1732.4	1453.1	1167.1	950.6
26°	3881.7	3572.4	3309.2	2970.5	2647.4	2317.6	2020.5	1693.5	1406.4	1117.7	901.2
27°	3886.1	3571.3	3298.7	2953.3	2618.0	2277.6	1973.9	1639.1	1346.5	1060.5	847.3
28°	3869.5	3550.8	3272.0	2920.0	2576.9	2224.3	1913.4	1573.6	1279.8	997.2	787.9
29°	3840.0	3516.3	3226.5	2865.6	2512.5	2152.7	1840.6	1497.5	1204.9	925.6	722.4
30°	3793.4	3466.4	3168.2	2801.7	2438.6	2071.6	1756.2	1408.6	1113.3	837.9	636.9
31°	3737.3	3402.0	3089.4	2714.0	2345.9	1976.1	1658.5	1290.4	995.5	727.4	534.7
32°	3664.6	3320.3	2998.9	2616.9	2242.1	1866.7	1524.7	1139.4	855.6	599.1	424.2
33°	3584.1	3229.8	2891.1	2491.4	2126.6	1720.1	1349.2	968.3	699.6	463.6	312.0
34°	3484.7	3121.6	2776.8	2363.7	1978.3	1529.7	1123.8	784.0	538.6	331.5	212.1
35°	3369.8	2996.6	2638.0	2213.2	1779.0	1310.4	913.9	623.5	385.3	221.0	154.4
36°	3235.9	2861.2	2490.8	2018.3	1551.9	1081.1	711.3	457.0	263.7	168.2	132.7
37°	3091.6	2709.6	2293.7	1815.1	1308.1	855.1	529.1	321.5	199.3	149.4	114.9
38°	2929.5	2548.0	2070.5	1563.0	1063.3	646.3	378.1	239.9	171.6	129.9	98.3
39°	2750.1	2348.7	1815.1	1297.6	827.3	465.8	288.2	197.1	148.2	112.2	85.0
40°	2551.3	2067.7	1536.9	1035.5	615.2	335.9	234.9	170.5	129.4	96.1	72.2
42.5°	1889.5	1371.4	845.6	488.6	290.4	209.3	156.0	119.9	85.0	57.7	37.2
45°	1135.5	700.2	370.9	253.7	183.8	140.5	100.5	69.4	40.5	25.0	17.2
47.5°	507.5	292.6	207.7	163.8	118.8	83.8	48.9	29.4	18.3	12.8	9.4
50°	197.7	160.5	123.8	94.4	57.2	33.3	21.1	13.9	9.4	6.7	4.4
51°	152.7	124.4	96.6	69.4	38.3	23.3	15.5	10.5	7.2	5.0	3.3
52°	117.2	95.5	72.7	46.6	26.1	17.8	12.2	7.8	5.6	3.3	2.8
53°	86.1	73.3	50.5	32.8	18.9	13.3	9.4	6.1	3.9	2.8	2.2
54°	59.4	50.5	32.2	20.5	13.9	10.0	6.7	4.4	2.8	2.2	2.2
55°	36.1	31.6	21.1	15.0	10.0	7.2	5.0	3.3	2.2	1.7	1.7
57.5°	11.1	10.0	8.3	6.7	4.4	3.3	2.2	1.7	1.7	1.7	1.7
60°	3.9	3.9	3.3	2.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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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°	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
64°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.2
65°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.2
66°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.2
67.5°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.2
70°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.2	2.2
72.5°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.2	2.2
75°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2
77.5°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.2	2.2	2.2
87.5°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2
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: P208896

CATALOG NUMBER: LDSQA6A20927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	163.8	161.0	158.8	156.6	153.8	152.1	150.5	147.1	145.5	141.6	138.8
5°	198.2	192.1	186.0	179.9	174.3	169.9	165.5	159.4	154.9	148.2	142.7
7.5°	232.6	220.4	209.3	199.9	189.9	182.7	174.3	165.5	157.7	148.8	140.5
10°	271.5	248.7	229.9	213.2	198.8	187.1	176.0	163.8	154.4	142.7	133.3
11°	288.2	261.0	237.6	217.7	201.0	187.7	174.9	161.6	151.0	139.4	128.8
12°	312.6	272.6	245.4	222.1	202.1	187.1	173.2	158.8	147.7	135.5	124.9
13°	353.7	293.7	253.2	224.9	203.8	186.0	170.5	154.9	143.3	130.5	119.4
14°	422.0	330.9	269.3	229.9	203.8	184.9	167.1	150.5	137.7	124.9	113.8
15°	505.3	391.4	300.4	240.4	203.2	182.7	163.8	146.0	132.1	118.8	106.6
17.5°	718.5	566.3	433.6	318.7	233.2	178.8	151.6	131.0	116.0	101.1	89.9
20°	846.2	673.0	524.1	391.4	281.5	196.0	141.0	114.4	98.3	85.0	74.4
21°	861.7	686.8	534.1	400.3	287.1	198.2	137.7	107.2	91.1	77.7	68.3
22°	856.7	682.9	529.7	395.3	281.5	193.2	131.6	100.5	84.4	71.6	62.2
23°	832.3	661.3	508.6	375.3	266.5	181.6	122.7	93.3	77.7	65.5	56.6
24°	796.8	625.2	476.4	345.9	239.9	161.0	109.9	85.5	71.1	60.0	52.7
25°	754.6	584.1	435.9	312.6	208.2	138.3	96.6	77.7	64.4	54.4	48.3
26°	707.4	539.7	393.7	274.8	174.9	116.0	85.5	70.5	57.7	48.9	43.9
27°	656.9	491.4	349.2	233.8	145.5	98.8	77.2	62.7	52.2	45.0	40.0
28°	603.0	443.1	300.9	194.9	120.5	86.6	69.4	56.1	46.6	40.5	36.6
29°	542.5	386.4	254.3	159.4	99.4	76.6	61.6	50.0	42.2	37.2	33.9
30°	466.4	322.6	203.8	128.3	85.5	68.3	55.0	45.0	38.3	34.4	31.1
31°	379.8	251.0	154.9	101.6	74.4	60.5	48.9	40.5	35.0	31.6	28.3
32°	287.1	182.7	115.5	84.4	65.5	53.3	43.3	36.6	32.2	28.3	26.1
33°	202.1	130.5	93.3	73.3	57.2	46.6	38.9	33.3	29.4	25.5	23.3
34°	138.8	104.9	81.1	63.3	50.0	41.6	35.0	30.0	26.1	22.8	20.5
35°	117.2	91.6	70.0	54.4	43.3	36.6	31.1	26.7	22.8	20.0	17.8
36°	101.1	79.4	60.0	47.8	37.8	31.6	27.2	22.8	19.4	16.7	15.5
37°	87.2	68.3	51.6	41.1	32.2	26.7	22.2	18.9	16.7	14.4	13.3
38°	75.5	57.7	43.9	35.0	26.7	21.7	18.3	15.5	13.9	12.2	11.1
39°	64.4	48.3	35.5	27.8	21.1	17.8	15.0	13.3	11.7	10.5	9.4
40°	53.3	38.3	27.2	21.7	16.7	14.4	12.2	11.1	9.4	8.9	8.3
42.5°	25.0	18.3	14.4	12.2	10.0	8.9	7.8	6.7	6.1	5.6	5.6
45°	12.8	10.5	7.8	6.7	5.6	5.0	4.4	3.9	3.9	3.9	3.9
47.5°	6.7	5.0	3.9	3.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50°	3.3	2.2	2.2	2.2	1.7	2.2	2.2	2.2	2.2	2.8	2.8
51°	2.2	2.2	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.8	2.8
52°	2.2	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.8	2.8
53°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.8	2.8
54°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.8	2.8
55°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.8
57.5°	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.8
60°	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.8



TEST NUMBER: P208896

CATALOG NUMBER: LDSQA6A20927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
64°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
66°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
67.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.8	2.8	2.8	2.8	2.8
72.5°	2.2	2.2	2.2	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8
75°	2.2	2.2	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	2.2	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	2.2	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	2.2	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	2.2	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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: P208896

CATALOG NUMBER: LDSQA6A20927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	138.8	133.8	134.4	131.6	109.9	98.3	92.2	87.7
5°	139.9	132.7	131.0	126.6	91.6	78.3	72.7	70.0
7.5°	136.0	126.6	123.3	117.2	77.7	65.5	61.1	58.9
10°	127.2	116.6	111.0	103.8	66.6	56.6	52.2	50.5
11°	122.7	111.6	106.1	98.8	62.7	53.3	49.4	47.8
12°	117.7	106.1	101.1	93.3	58.9	50.0	46.6	45.0
13°	112.2	100.5	95.5	88.3	55.0	47.2	44.4	42.8
14°	105.5	94.9	89.9	83.3	51.6	44.4	42.2	41.1
15°	99.4	89.4	83.8	77.2	48.9	42.2	40.5	39.4
17.5°	83.3	74.4	70.0	64.4	41.1	36.1	36.1	35.5
20°	68.3	60.5	57.2	52.7	34.4	31.6	32.2	32.2
21°	62.7	56.1	52.7	48.9	32.8	30.0	31.1	31.1
22°	57.2	51.1	48.9	45.0	30.5	28.3	30.0	30.0
23°	52.7	46.6	45.0	41.6	28.3	27.2	28.9	28.9
24°	48.3	43.3	41.1	38.3	26.7	25.5	27.8	28.3
25°	44.4	39.4	37.8	35.5	25.0	24.4	26.7	27.2
26°	40.5	36.1	35.0	32.8	23.3	23.3	25.5	26.7
27°	37.2	33.9	32.2	30.0	21.7	22.2	25.0	25.5
28°	34.4	31.1	29.4	27.8	20.0	21.1	23.9	25.0
29°	31.6	28.3	27.2	25.5	18.9	20.0	22.8	24.4
30°	28.9	26.1	25.0	23.3	17.8	18.9	22.2	23.9
31°	26.7	23.9	22.8	21.1	16.7	18.3	21.1	22.8
32°	23.9	21.7	20.5	19.4	15.5	17.2	20.5	22.2
33°	21.7	18.9	18.3	17.2	15.0	16.7	20.0	21.1
34°	18.9	16.7	16.1	15.5	13.9	15.5	18.9	20.5
35°	16.1	15.0	14.4	13.9	12.8	15.0	18.3	20.0
36°	14.4	12.8	12.8	12.2	12.2	14.4	17.8	19.4
37°	12.2	11.7	11.1	11.1	11.1	13.3	16.7	18.9
38°	10.5	10.0	10.0	10.0	10.5	12.8	16.1	18.3
39°	8.9	8.9	8.9	8.9	10.0	12.2	15.5	17.8
40°	7.8	7.8	7.8	7.8	9.4	11.7	15.0	17.2
42.5°	5.6	5.6	5.6	6.1	7.8	10.5	13.3	16.1
45°	4.4	4.4	4.4	5.0	7.2	9.4	12.2	14.4
47.5°	3.3	3.3	3.9	4.4	6.1	8.3	11.1	13.3
50°	2.8	3.3	3.3	3.9	5.6	7.8	9.4	11.7
51°	2.8	2.8	3.3	3.3	5.0	7.2	8.9	11.1
52°	2.8	2.8	3.3	3.3	5.0	6.7	8.9	10.0
53°	2.8	2.8	3.3	3.3	5.0	6.7	8.3	9.4
54°	2.8	2.8	3.3	3.3	4.4	6.1	7.8	8.9
55°	2.8	2.8	3.3	3.3	4.4	6.1	7.8	7.8
57.5°	2.8	2.8	2.8	3.3	3.9	5.6	6.7	6.7
60°	2.8	2.8	2.8	2.8	3.9	5.0	6.1	4.4



TEST NUMBER: P208896

CATALOG NUMBER: LDSQA6A20927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.8	2.8	2.8	2.8	3.3	4.4	5.0	3.3
64°	2.8	2.8	2.8	3.3	3.3	4.4	4.4	3.3
65°	2.8	2.8	2.8	2.8	3.3	3.9	4.4	3.3
66°	2.8	2.8	2.8	2.8	3.3	3.9	3.9	3.3
67.5°	2.8	2.8	2.8	2.8	3.3	3.9	3.9	2.8
70°	2.8	2.8	2.8	2.8	3.3	3.3	3.3	2.8
72.5°	2.8	2.8	2.8	2.8	2.8	3.3	2.8	2.2
75°	2.8	2.8	3.3	3.3	2.8	2.8	2.2	2.2
77.5°	2.8	2.8	3.3	3.3	2.8	2.8	2.2	1.7
80°	2.8	2.8	3.3	3.3	2.8	2.2	1.7	1.7
82.5°	2.8	2.8	3.3	3.3	2.8	2.2	1.7	1.1
85°	2.8	2.8	3.3	3.3	2.8	2.2	1.1	1.1
87.5°	2.8	2.8	3.3	3.3	2.8	1.7	1.1	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°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.8	2.8
62°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7





61°	2.8	2.8	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
62°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7





61°	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
62°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8





61°	2.8	2.8	2.8	2.8	3.9	5.0	5.6	3.9
62°	2.8	2.8	2.8	2.8	3.9	5.0	5.0	3.9



(END OF REPORT)