

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: P208895

Luminaire Tested: **LDSQA6A20840D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208895
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: LDSQA6A20840D010TE 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 / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2278.6 lumens
Efficiency: N/A
Efficacy: 79.1 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

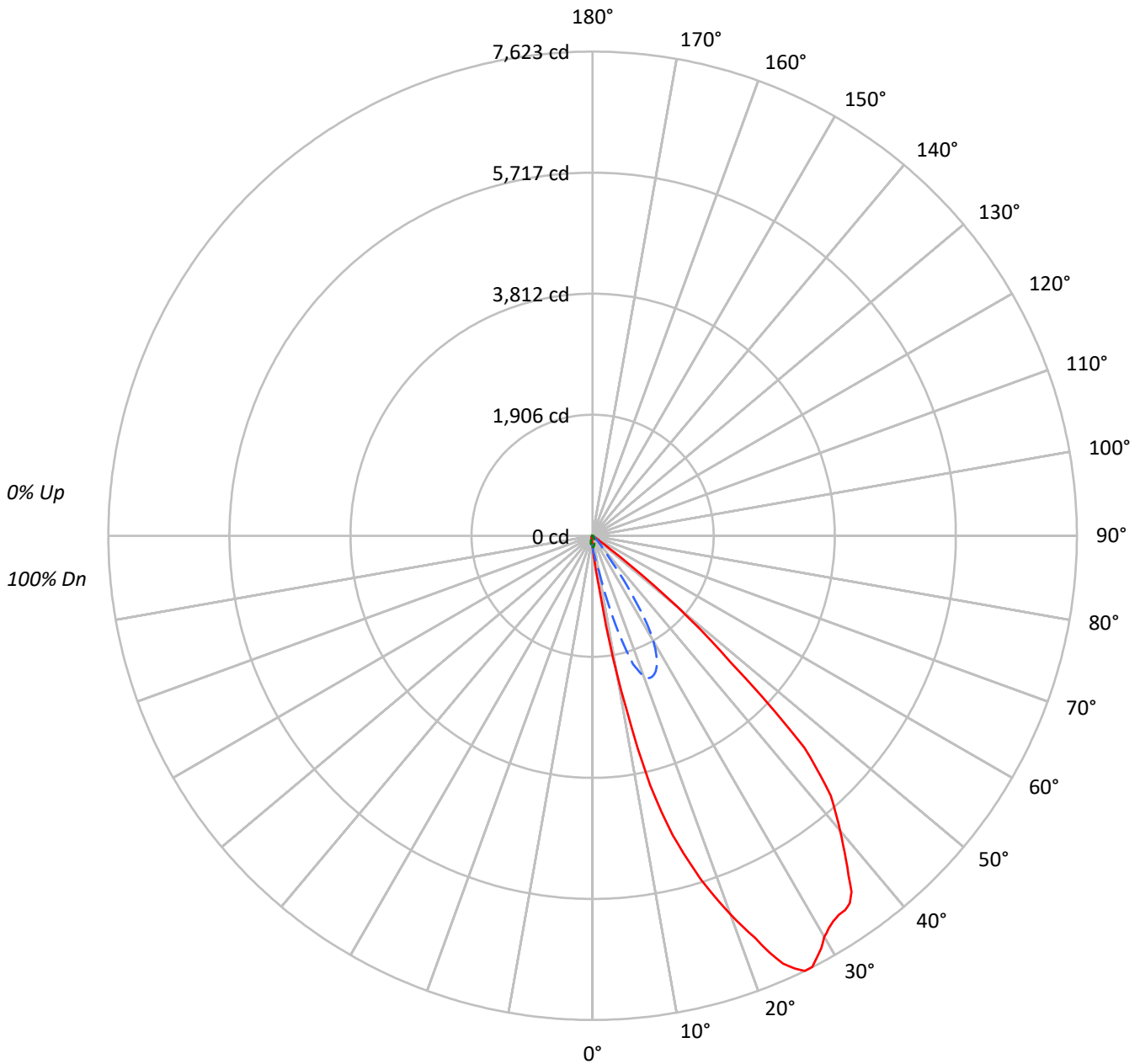
Input Watts (W): 28.81
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7789	7789	7789
5°	19090	7430	4106
10°	96752	6160	2999
15°	217644	4671	2385
20°	290684	3281	2002
25°	357146	2290	1753
30°	362706	1576	1611
35°	371098	988	1424
40°	340778	596	1315
45°	286980	414	1193
50°	117381	355	1058
55°	5712	338	796
60°	327	327	517
65°	82	387	458
70°	101	478	478
75°	0	749	499
80°	0	1116	570
85°	0	2223	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	1.2
10°-20°	301.2	13.2
20°-30°	693.6	30.4
30°-40°	762.7	33.5
40°-50°	447.4	19.6
50°-60°	36.5	1.6
60°-70°	3.7	0.2
70°-80°	3.2	0.1
80°-90°	2.5	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°	1022.6	44.9
0°-40°	1785.3	78.4
0°-60°	2269.2	99.6
0°-90°	2278.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2278.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	181	181	181	181	181	
5°	442	304	172	106	95	93
15°	4883	1596	105	57	54	1378
25°	7518	2352	48	33	37	3369
35°	7060	846	19	20	27	4301
45°	4713	94	7	13	20	3264
55°	76	4	4	8	11	304
65°	1	2	4	5	4	1
75°	0	2	4	4	3	0
85°	0	2	4	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°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
2.5°	278.9	272.9	271.3	270.6	266.1	268.3	269.8	266.1	266.1	266.1	257.8
5°	441.7	425.1	422.8	419.1	407.8	407.8	409.3	399.5	395.7	382.1	370.1
7.5°	906.0	843.4	872.8	856.2	810.3	795.2	792.2	750.7	725.1	673.8	627.1
10°	2213.0	2072.8	2115.8	2070.5	1963.5	1895.7	1895.7	1779.6	1692.9	1540.6	1386.9
11°	2764.7	2677.3	2721.0	2668.2	2542.4	2458.7	2456.4	2320.0	2213.7	2026.1	1834.6
12°	3425.8	3291.6	3263.7	3276.5	3135.6	3039.8	3028.5	2878.5	2758.7	2541.6	2323.0
13°	4031.8	3941.3	3846.3	3852.4	3704.6	3606.7	3582.5	3425.0	3298.4	3063.2	2821.3
14°	4481.7	4431.2	4349.1	4340.0	4206.6	4107.9	4078.5	3917.9	3785.3	3548.6	3294.6
15°	4882.7	4835.2	4757.6	4737.3	4609.1	4508.9	4475.0	4307.6	4172.0	3948.8	3703.1
17.5°	5677.9	5647.0	5616.9	5535.5	5438.2	5292.0	5244.5	5050.1	4873.7	4672.4	4404.1
20°	6344.2	6302.8	6239.5	6173.1	6050.3	5892.0	5858.8	5624.4	5439.7	5239.3	4925.7
21°	6587.7	6547.0	6479.2	6403.0	6263.6	6096.3	6050.3	5803.1	5608.6	5400.6	5081.7
22°	6831.2	6792.7	6723.4	6626.9	6472.4	6284.7	6216.1	5955.3	5750.3	5521.2	5200.8
23°	7132.7	7042.2	6966.8	6848.5	6666.8	6454.3	6361.6	6080.4	5864.9	5625.9	5299.6
24°	7371.6	7279.6	7191.4	7047.5	6842.5	6606.5	6488.2	6189.0	5968.9	5710.3	5381.0
25°	7517.8	7470.3	7377.6	7214.1	6991.7	6733.9	6595.2	6277.9	6037.5	5781.2	5448.0
26°	7622.6	7572.8	7492.9	7321.8	7109.3	6847.0	6678.1	6352.5	6103.8	5827.2	5492.5
27°	7618.8	7588.7	7521.6	7370.8	7192.2	6925.4	6747.5	6402.3	6138.5	5850.5	5509.8
28°	7517.8	7517.8	7487.7	7365.6	7211.8	6960.0	6772.4	6411.3	6142.2	5845.3	5498.5
29°	7425.9	7402.5	7408.5	7312.8	7181.6	6935.9	6754.3	6384.9	6114.3	5811.3	5464.6
30°	7295.5	7288.7	7315.1	7238.2	7129.6	6884.7	6696.2	6329.9	6059.3	5755.6	5410.4
31°	7214.1	7196.0	7221.6	7157.5	7038.4	6787.4	6608.0	6250.8	5987.0	5684.0	5344.0
32°	7153.0	7131.1	7161.3	7078.4	6948.7	6700.8	6509.3	6164.1	5892.7	5604.8	5259.6
33°	7116.1	7109.3	7120.6	7008.3	6841.7	6583.2	6409.8	6071.4	5802.3	5515.9	5166.9
34°	7109.3	7095.0	7075.4	6914.1	6733.9	6471.6	6297.5	5968.1	5705.1	5411.1	5053.8
35°	7060.3	7028.6	6984.2	6783.7	6581.7	6330.7	6166.4	5849.0	5583.0	5286.0	4913.6
36°	6933.7	6880.1	6831.9	6623.1	6413.6	6179.2	6024.7	5714.1	5448.8	5142.0	4753.1
37°	6690.2	6672.1	6613.3	6435.4	6244.0	6018.6	5869.4	5573.2	5298.8	4977.0	4573.7
38°	6479.2	6459.6	6405.3	6244.7	6070.6	5854.3	5705.8	5391.5	5130.0	4791.5	4377.7
39°	6265.1	6247.8	6206.3	6031.4	5879.9	5676.4	5527.9	5213.6	4946.0	4585.8	4161.4
40°	6063.1	6045.8	6008.1	5834.7	5684.7	5491.0	5340.3	5019.9	4768.2	4361.9	3913.4
42.5°	5548.3	5489.5	5441.3	5274.7	5140.5	4939.3	4776.5	4447.1	4094.3	3663.9	3214.0
45°	4713.1	4640.0	4582.7	4475.7	4329.5	4174.2	3954.1	3598.4	3233.5	2817.5	2204.7
47.5°	2942.6	2840.1	2774.5	2652.4	2488.1	2381.8	2323.8	2136.1	1887.4	1703.5	1237.6
50°	1752.4	1677.1	1622.1	1444.9	1319.8	1164.5	1016.8	743.9	597.0	451.5	373.9
51°	1260.3	1198.4	1166.0	1019.8	924.8	814.0	710.0	517.8	416.8	315.1	260.0
52°	729.6	682.1	680.6	586.4	549.5	504.3	431.1	341.4	291.7	228.4	195.2
53°	339.2	311.3	316.6	272.9	258.5	252.5	250.2	199.0	194.5	170.3	144.0
54°	152.3	139.4	130.4	125.9	122.1	123.6	126.6	114.6	110.0	107.0	98.0
55°	76.1	69.3	65.6	69.3	61.8	62.6	64.8	60.3	58.8	58.8	57.3
57.5°	16.6	15.8	15.8	16.6	15.8	15.8	16.6	16.6	16.6	15.8	15.8
60°	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5	5.3	6.0	6.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
64°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
66°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
80°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	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



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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°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
2.5°	257.0	251.0	251.7	247.2	244.2	242.0	244.2	237.4	235.9	229.1	225.4
5°	367.1	352.8	348.2	337.7	325.6	319.6	317.3	304.5	297.7	284.9	277.4
7.5°	606.8	561.5	535.2	504.3	466.6	447.7	423.6	400.2	374.6	350.5	333.9
10°	1319.8	1175.8	1068.1	957.3	807.3	731.9	635.4	564.6	493.7	437.9	403.3
11°	1748.7	1565.5	1420.0	1266.3	1067.3	959.5	818.6	702.5	579.6	494.5	438.7
12°	2213.0	1993.6	1814.3	1613.8	1370.3	1225.6	1049.2	895.4	724.3	593.2	497.5
13°	2681.1	2429.3	2222.0	1979.3	1702.7	1516.5	1308.5	1118.6	904.5	737.2	598.5
14°	3134.1	2857.4	2627.5	2345.6	2045.7	1821.0	1584.4	1356.7	1104.2	900.7	726.6
15°	3538.8	3246.4	3005.9	2701.4	2386.3	2126.3	1861.0	1596.4	1333.4	1074.1	866.8
17.5°	4235.3	3927.7	3691.1	3370.7	3059.4	2763.2	2459.5	2115.8	1790.9	1469.0	1224.1
20°	4762.1	4391.3	4107.9	3728.8	3373.7	3039.8	2718.7	2368.3	2047.2	1699.7	1420.8
21°	4896.3	4511.9	4222.5	3842.6	3459.7	3106.9	2769.2	2401.4	2068.3	1717.8	1440.4
22°	5010.1	4624.2	4314.4	3915.7	3524.5	3151.4	2800.1	2413.5	2066.8	1705.0	1426.1
23°	5096.8	4704.1	4389.0	3979.8	3575.0	3183.8	2814.5	2408.2	2048.7	1678.6	1392.9
24°	5179.0	4777.2	4448.6	4019.7	3604.4	3189.1	2806.9	2387.1	2018.5	1638.6	1348.4
25°	5231.7	4826.2	4481.0	4039.3	3605.9	3174.8	2782.1	2351.7	1972.5	1584.4	1290.4
26°	5269.4	4849.6	4492.3	4032.5	3593.8	3146.1	2742.9	2298.9	1909.2	1517.3	1223.3
27°	5275.4	4848.1	4478.0	4009.1	3553.9	3091.8	2679.5	2225.0	1827.8	1439.6	1150.2
28°	5252.8	4820.2	4441.8	3963.9	3498.1	3019.5	2597.4	2136.1	1737.4	1353.7	1069.6
29°	5212.9	4773.4	4380.0	3890.1	3410.7	2922.3	2498.7	2032.8	1635.6	1256.5	980.6
30°	5149.6	4705.6	4300.8	3803.4	3310.4	2812.2	2384.1	1912.2	1511.3	1137.4	864.5
31°	5073.4	4618.2	4193.8	3684.3	3184.6	2682.6	2251.4	1751.7	1351.5	987.4	725.9
32°	4974.7	4507.4	4071.0	3552.4	3043.6	2534.1	2069.8	1546.7	1161.5	813.3	575.9
33°	4865.4	4384.5	3924.7	3382.0	2886.8	2335.1	1831.6	1314.5	949.7	629.4	423.6
34°	4730.5	4237.5	3769.5	3208.7	2685.6	2076.6	1525.6	1064.3	731.1	450.0	287.9
35°	4574.5	4067.9	3581.0	3004.4	2415.0	1778.8	1240.7	846.5	523.1	300.0	209.5
36°	4392.8	3884.0	3381.3	2739.8	2106.7	1467.5	965.5	620.3	358.0	228.4	180.1
37°	4196.8	3678.3	3113.7	2464.0	1775.8	1160.8	718.3	436.4	270.6	202.8	156.0
38°	3976.7	3458.9	2810.7	2121.8	1443.4	877.4	513.3	325.6	232.9	176.4	133.4
39°	3733.3	3188.3	2464.0	1761.5	1123.1	632.4	391.2	267.6	201.2	152.3	115.3
40°	3463.4	2806.9	2086.4	1405.7	835.1	456.0	318.8	231.4	175.6	130.4	98.0
42.5°	2565.0	1861.7	1147.9	663.3	394.2	284.2	211.8	162.8	115.3	78.4	50.5
45°	1541.4	950.5	503.5	344.5	249.5	190.7	136.4	94.2	55.0	33.9	23.4
47.5°	688.9	397.2	281.9	222.4	161.3	113.8	66.3	39.9	24.9	17.3	12.8
50°	268.3	217.8	168.1	128.1	77.6	45.2	28.6	18.8	12.8	9.0	6.0
51°	207.3	168.8	131.2	94.2	52.0	31.7	21.1	14.3	9.8	6.8	4.5
52°	159.0	129.6	98.7	63.3	35.4	24.1	16.6	10.6	7.5	4.5	3.8
53°	116.8	99.5	68.6	44.5	25.6	18.1	12.8	8.3	5.3	3.8	3.0
54°	80.7	68.6	43.7	27.9	18.8	13.6	9.0	6.0	3.8	3.0	3.0
55°	49.0	43.0	28.6	20.4	13.6	9.8	6.8	4.5	3.0	2.3	2.3
57.5°	15.1	13.6	11.3	9.0	6.0	4.5	3.0	2.3	2.3	2.3	2.3
60°	5.3	5.3	4.5	3.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P208895

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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°	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
64°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	3.0
65°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	3.0
66°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	3.0
67.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	3.0
70°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.0	3.0
72.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.0	3.0
75°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
77.5°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
80°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	3.0	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	3.0	3.0	3.0
87.5°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
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: P208895

CATALOG NUMBER: LDSQA6A20840D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
2.5°	222.4	218.6	215.6	212.6	208.8	206.5	204.3	199.7	197.5	192.2	188.4
5°	269.1	260.8	252.5	244.2	236.7	230.6	224.6	216.3	210.3	201.2	193.7
7.5°	315.8	299.2	284.2	271.3	257.8	248.0	236.7	224.6	214.1	202.0	190.7
10°	368.6	337.7	312.0	289.4	269.8	254.0	238.9	222.4	209.5	193.7	180.9
11°	391.2	354.3	322.6	295.5	272.9	254.8	237.4	219.3	205.0	189.2	174.9
12°	424.4	370.1	333.2	301.5	274.4	254.0	235.2	215.6	200.5	183.9	169.6
13°	480.1	398.7	343.7	305.3	276.6	252.5	231.4	210.3	194.5	177.1	162.1
14°	572.8	449.2	365.6	312.0	276.6	251.0	226.9	204.3	186.9	169.6	154.5
15°	685.9	531.4	407.8	326.4	275.9	248.0	222.4	198.2	179.4	161.3	144.7
17.5°	975.3	768.8	588.7	432.6	316.6	242.7	205.8	177.9	157.5	137.2	122.1
20°	1148.7	913.5	711.5	531.4	382.1	266.1	191.5	155.3	133.4	115.3	101.0
21°	1169.8	932.4	725.1	543.4	389.7	269.1	186.9	145.5	123.6	105.5	92.7
22°	1163.0	927.1	719.1	536.7	382.1	262.3	178.6	136.4	114.6	97.2	84.4
23°	1129.9	897.7	690.4	509.5	361.8	246.5	166.6	126.6	105.5	88.9	76.9
24°	1081.6	848.7	646.7	469.6	325.6	218.6	149.2	116.1	96.5	81.4	71.6
25°	1024.3	792.9	591.7	424.4	282.7	187.7	131.2	105.5	87.4	73.9	65.6
26°	960.3	732.6	534.4	373.1	237.4	157.5	116.1	95.7	78.4	66.3	59.5
27°	891.7	667.1	474.1	317.3	197.5	134.2	104.8	85.2	70.9	61.1	54.3
28°	818.6	601.5	408.5	264.6	163.6	117.6	94.2	76.1	63.3	55.0	49.7
29°	736.4	524.6	345.2	216.3	134.9	104.0	83.7	67.8	57.3	50.5	46.0
30°	633.1	437.9	276.6	174.1	116.1	92.7	74.6	61.1	52.0	46.7	42.2
31°	515.6	340.7	210.3	137.9	101.0	82.2	66.3	55.0	47.5	43.0	38.4
32°	389.7	248.0	156.8	114.6	88.9	72.4	58.8	49.7	43.7	38.4	35.4
33°	274.4	177.1	126.6	99.5	77.6	63.3	52.8	45.2	39.9	34.7	31.7
34°	188.4	142.5	110.0	85.9	67.8	56.5	47.5	40.7	35.4	30.9	27.9
35°	159.0	124.4	95.0	73.9	58.8	49.7	42.2	36.2	30.9	27.1	24.1
36°	137.2	107.8	81.4	64.8	51.3	43.0	36.9	30.9	26.4	22.6	21.1
37°	118.3	92.7	70.1	55.8	43.7	36.2	30.1	25.6	22.6	19.6	18.1
38°	102.5	78.4	59.5	47.5	36.2	29.4	24.9	21.1	18.8	16.6	15.1
39°	87.4	65.6	48.2	37.7	28.6	24.1	20.4	18.1	15.8	14.3	12.8
40°	72.4	52.0	36.9	29.4	22.6	19.6	16.6	15.1	12.8	12.1	11.3
42.5°	33.9	24.9	19.6	16.6	13.6	12.1	10.6	9.0	8.3	7.5	7.5
45°	17.3	14.3	10.6	9.0	7.5	6.8	6.0	5.3	5.3	5.3	5.3
47.5°	9.0	6.8	5.3	4.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8
50°	4.5	3.0	3.0	3.0	2.3	3.0	3.0	3.0	3.0	3.8	3.8
51°	3.0	3.0	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.8	3.8
52°	3.0	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.8	3.8
53°	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.8	3.8
54°	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.8	3.8
55°	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.8
57.5°	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.8
60°	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.8



TEST NUMBER: P208895

CATALOG NUMBER: LDSQA6A20840D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
64°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
65°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
66°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8
67.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8
70°	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8
72.5°	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8	3.8
75°	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	3.0	3.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
82.5°	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P208895

CATALOG NUMBER: LDSQA6A20840D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
2.5°	188.4	181.7	182.4	178.6	149.2	133.4	125.1	119.1
5°	189.9	180.1	177.9	171.9	124.4	106.3	98.7	95.0
7.5°	184.7	171.9	167.3	159.0	105.5	88.9	82.9	79.9
10°	172.6	158.3	150.7	140.9	90.4	76.9	70.9	68.6
11°	166.6	151.5	144.0	134.2	85.2	72.4	67.1	64.8
12°	159.8	144.0	137.2	126.6	79.9	67.8	63.3	61.1
13°	152.3	136.4	129.6	119.8	74.6	64.1	60.3	58.0
14°	143.2	128.9	122.1	113.1	70.1	60.3	57.3	55.8
15°	134.9	121.4	113.8	104.8	66.3	57.3	55.0	53.5
17.5°	113.1	101.0	95.0	87.4	55.8	49.0	49.0	48.2
20°	92.7	82.2	77.6	71.6	46.7	43.0	43.7	43.7
21°	85.2	76.1	71.6	66.3	44.5	40.7	42.2	42.2
22°	77.6	69.3	66.3	61.1	41.5	38.4	40.7	40.7
23°	71.6	63.3	61.1	56.5	38.4	36.9	39.2	39.2
24°	65.6	58.8	55.8	52.0	36.2	34.7	37.7	38.4
25°	60.3	53.5	51.3	48.2	33.9	33.2	36.2	36.9
26°	55.0	49.0	47.5	44.5	31.7	31.7	34.7	36.2
27°	50.5	46.0	43.7	40.7	29.4	30.1	33.9	34.7
28°	46.7	42.2	39.9	37.7	27.1	28.6	32.4	33.9
29°	43.0	38.4	36.9	34.7	25.6	27.1	30.9	33.2
30°	39.2	35.4	33.9	31.7	24.1	25.6	30.1	32.4
31°	36.2	32.4	30.9	28.6	22.6	24.9	28.6	30.9
32°	32.4	29.4	27.9	26.4	21.1	23.4	27.9	30.1
33°	29.4	25.6	24.9	23.4	20.4	22.6	27.1	28.6
34°	25.6	22.6	21.9	21.1	18.8	21.1	25.6	27.9
35°	21.9	20.4	19.6	18.8	17.3	20.4	24.9	27.1
36°	19.6	17.3	17.3	16.6	16.6	19.6	24.1	26.4
37°	16.6	15.8	15.1	15.1	15.1	18.1	22.6	25.6
38°	14.3	13.6	13.6	13.6	14.3	17.3	21.9	24.9
39°	12.1	12.1	12.1	12.1	13.6	16.6	21.1	24.1
40°	10.6	10.6	10.6	10.6	12.8	15.8	20.4	23.4
42.5°	7.5	7.5	7.5	8.3	10.6	14.3	18.1	21.9
45°	6.0	6.0	6.0	6.8	9.8	12.8	16.6	19.6
47.5°	4.5	4.5	5.3	6.0	8.3	11.3	15.1	18.1
50°	3.8	4.5	4.5	5.3	7.5	10.6	12.8	15.8
51°	3.8	3.8	4.5	4.5	6.8	9.8	12.1	15.1
52°	3.8	3.8	4.5	4.5	6.8	9.0	12.1	13.6
53°	3.8	3.8	4.5	4.5	6.8	9.0	11.3	12.8
54°	3.8	3.8	4.5	4.5	6.0	8.3	10.6	12.1
55°	3.8	3.8	4.5	4.5	6.0	8.3	10.6	10.6
57.5°	3.8	3.8	3.8	4.5	5.3	7.5	9.0	9.0
60°	3.8	3.8	3.8	3.8	5.3	6.8	8.3	6.0



TEST NUMBER: P208895

CATALOG NUMBER: LDSQA6A20840D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.8	3.8	3.8	3.8	4.5	6.0	6.8	4.5
64°	3.8	3.8	3.8	4.5	4.5	6.0	6.0	4.5
65°	3.8	3.8	3.8	3.8	4.5	5.3	6.0	4.5
66°	3.8	3.8	3.8	3.8	4.5	5.3	5.3	4.5
67.5°	3.8	3.8	3.8	3.8	4.5	5.3	5.3	3.8
70°	3.8	3.8	3.8	3.8	4.5	4.5	4.5	3.8
72.5°	3.8	3.8	3.8	3.8	3.8	4.5	3.8	3.0
75°	3.8	3.8	4.5	4.5	3.8	3.8	3.0	3.0
77.5°	3.8	3.8	4.5	4.5	3.8	3.8	3.0	2.3
80°	3.8	3.8	4.5	4.5	3.8	3.0	2.3	2.3
82.5°	3.8	3.8	4.5	4.5	3.8	3.0	2.3	1.5
85°	3.8	3.8	4.5	4.5	3.8	3.0	1.5	1.5
87.5°	3.8	3.8	4.5	4.5	3.8	2.3	1.5	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°	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.8	3.8
62°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3





61°	3.8	3.8	3.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
62°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3





61°	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
62°	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8





61°	3.8	3.8	3.8	3.8	5.3	6.8	7.5	5.3
62°	3.8	3.8	3.8	3.8	5.3	6.8	6.8	5.3



(END OF REPORT)