

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: P208894

Luminaire Tested: **LDSQA6A20835D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208894
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: LDSQA6A20835D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2172.8 lumens
Efficiency: N/A
Efficacy: 75.4 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

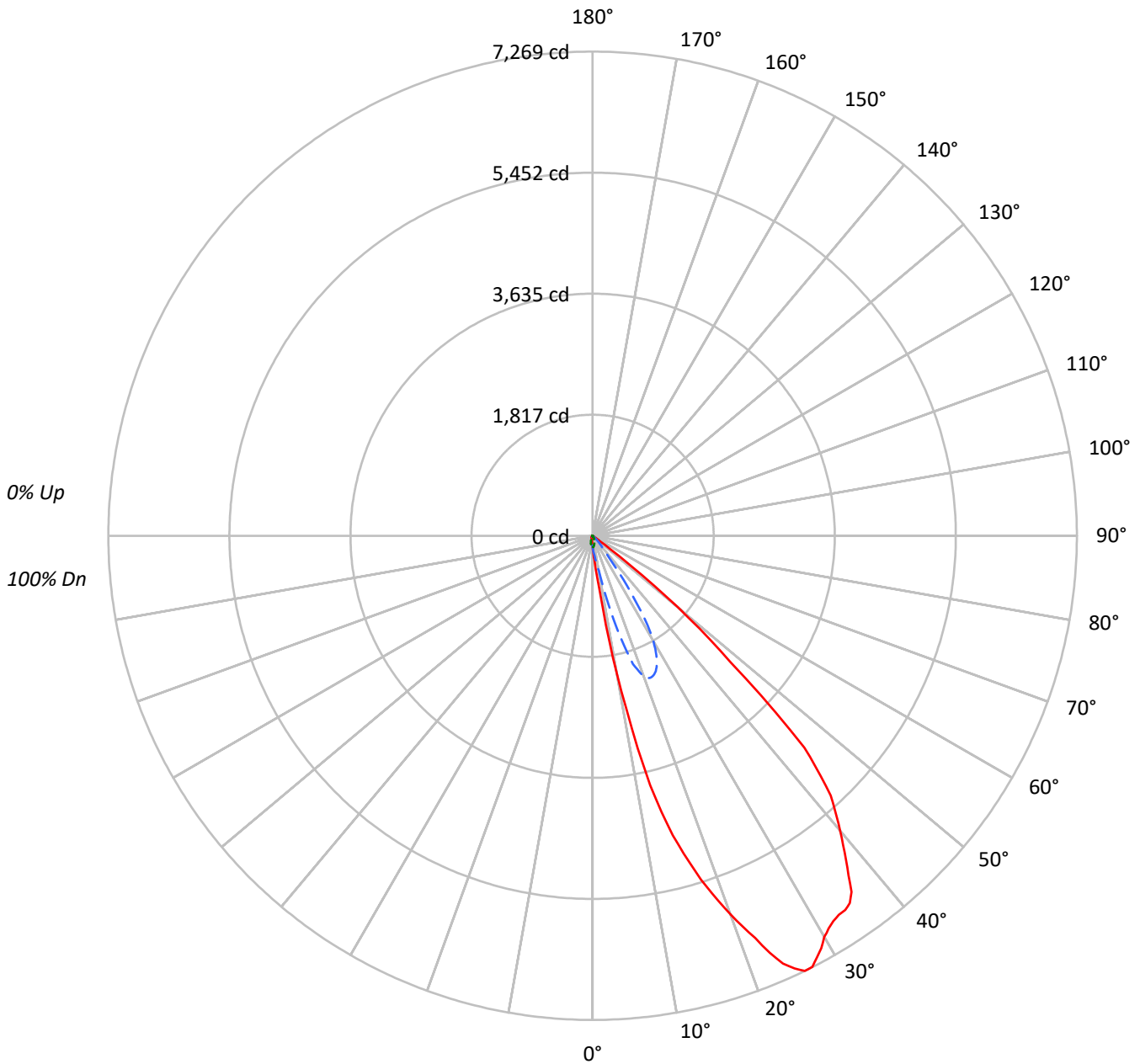
Input Watts (W): 28.81
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7427	7427	7427
5°	18204	7084	3916
10°	92258	5876	2859
15°	207539	4453	2273
20°	277190	3129	1911
25°	340566	2185	1672
30°	345867	1501	1536
35°	353869	946	1361
40°	324956	568	1253
45°	273657	396	1139
50°	111935	335	1011
55°	5450	323	758
60°	310	310	491
65°	71	367	438
70°	88	453	453
75°	0	715	482
80°	0	1066	545
85°	0	2124	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	1.2
10°-20°	287.2	13.2
20°-30°	661.4	30.4
30°-40°	727.3	33.5
40°-50°	426.6	19.6
50°-60°	34.8	1.6
60°-70°	3.6	0.2
70°-80°	3.0	0.1
80°-90°	2.3	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°	975.1	44.9
0°-40°	1702.4	78.4
0°-60°	2163.9	99.6
0°-90°	2172.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2172.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	172	172	172	172	172	
5°	421	290	164	101	91	89
15°	4656	1522	100	55	51	1314
25°	7169	2242	46	32	35	3212
35°	6732	807	18	19	26	4101
45°	4494	90	6	12	19	3112
55°	73	4	4	8	10	290
65°	1	2	4	5	4	1
75°	0	2	4	4	3	0
85°	0	2	4	3	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°	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5
2.5°	265.9	260.2	258.7	258.0	253.7	255.9	257.3	253.7	253.7	253.7	245.8
5°	421.2	405.4	403.2	399.6	388.8	388.8	390.3	380.9	377.3	364.4	352.9
7.5°	863.9	804.3	832.3	816.5	772.7	758.3	755.4	715.9	691.4	642.6	598.0
10°	2110.2	1976.6	2017.5	1974.4	1872.3	1807.7	1807.7	1697.0	1614.3	1469.1	1322.5
11°	2636.4	2553.0	2594.7	2544.4	2424.3	2344.6	2342.4	2212.3	2111.0	1932.0	1749.4
12°	3266.7	3138.8	3112.2	3124.4	2990.0	2898.7	2887.9	2744.9	2630.6	2423.6	2215.2
13°	3844.6	3758.3	3667.8	3673.5	3532.6	3439.2	3416.2	3266.0	3145.2	2921.0	2690.3
14°	4273.7	4225.5	4147.2	4138.6	4011.3	3917.2	3889.1	3736.1	3609.6	3383.9	3141.6
15°	4656.0	4610.8	4536.7	4517.3	4395.1	4299.6	4267.2	4107.6	3978.3	3765.5	3531.2
17.5°	5414.3	5384.9	5356.1	5278.5	5185.8	5046.3	5001.0	4815.6	4647.4	4455.5	4199.6
20°	6049.7	6010.2	5949.8	5886.5	5769.4	5618.5	5586.8	5363.3	5187.2	4996.0	4697.0
21°	6281.9	6243.0	6178.4	6105.8	5972.8	5813.2	5769.4	5533.6	5348.2	5149.8	4845.8
22°	6514.0	6477.4	6411.2	6319.2	6171.9	5992.9	5927.5	5678.8	5483.3	5264.8	4959.4
23°	6801.5	6715.3	6643.4	6530.5	6357.3	6154.6	6066.2	5798.1	5592.6	5364.7	5053.5
24°	7029.4	6941.7	6857.6	6720.3	6524.8	6299.8	6187.0	5901.6	5691.8	5445.2	5131.1
25°	7168.8	7123.5	7035.1	6879.1	6667.1	6421.3	6289.0	5986.5	5757.2	5512.8	5195.1
26°	7268.7	7221.3	7145.1	6981.9	6779.2	6529.1	6368.1	6057.6	5820.4	5556.6	5237.5
27°	7265.1	7236.4	7172.4	7028.6	6858.3	6603.9	6434.2	6105.0	5853.5	5578.9	5254.0
28°	7168.8	7168.8	7140.0	7023.6	6877.0	6636.9	6458.0	6113.7	5857.1	5573.9	5243.3
29°	7081.1	7058.8	7064.6	6973.3	6848.2	6613.9	6440.7	6088.5	5830.5	5541.5	5210.9
30°	6956.8	6950.3	6975.4	6902.1	6798.6	6565.0	6385.4	6036.0	5778.0	5488.4	5159.2
31°	6879.1	6861.9	6886.3	6825.2	6711.7	6472.3	6301.3	5960.6	5709.0	5420.1	5095.9
32°	6820.9	6800.1	6828.8	6749.8	6626.1	6389.7	6207.1	5877.9	5619.2	5344.6	5015.4
33°	6785.7	6779.2	6790.0	6682.9	6524.1	6277.5	6112.2	5789.5	5532.9	5259.8	4927.0
34°	6779.2	6765.6	6746.9	6593.1	6421.3	6171.2	6005.1	5691.0	5440.2	5159.9	4819.2
35°	6732.5	6702.3	6659.9	6468.7	6276.1	6036.8	5880.1	5577.5	5323.8	5040.6	4685.5
36°	6611.8	6560.7	6514.7	6315.6	6115.8	5892.3	5745.0	5448.8	5195.8	4903.3	4532.4
37°	6379.6	6362.4	6306.3	6136.7	5954.1	5739.2	5596.9	5314.4	5052.8	4745.9	4361.4
38°	6178.4	6159.7	6107.9	5954.8	5788.8	5582.5	5440.9	5141.2	4891.8	4569.1	4174.5
39°	5974.2	5957.7	5918.2	5751.4	5607.0	5412.9	5271.3	4971.6	4716.4	4372.9	3968.2
40°	5781.6	5765.1	5729.1	5563.8	5420.8	5236.1	5092.3	4786.9	4546.8	4159.4	3731.7
42.5°	5290.7	5234.6	5188.6	5029.8	4901.9	4710.0	4554.7	4240.6	3904.2	3493.8	3064.7
45°	4494.3	4424.6	4370.0	4267.9	4128.5	3980.4	3770.6	3431.3	3083.4	2686.7	2102.3
47.5°	2806.0	2708.2	2645.7	2529.3	2372.6	2271.2	2215.9	2036.9	1799.7	1624.4	1180.2
50°	1671.1	1599.2	1546.7	1377.8	1258.5	1110.5	969.6	709.4	569.2	430.5	356.5
51°	1201.7	1142.8	1111.9	972.5	881.9	776.2	677.1	493.8	397.5	300.4	248.0
52°	695.7	650.5	649.0	559.2	524.0	480.8	411.1	325.6	278.2	217.8	186.2
53°	323.4	296.8	301.9	260.2	246.5	240.8	238.6	189.7	185.4	162.4	137.3
54°	145.2	133.0	124.3	120.0	116.4	117.9	120.7	109.2	104.9	102.1	93.4
55°	72.6	66.1	62.5	66.1	58.9	59.7	61.8	57.5	56.1	56.1	54.6
57.5°	15.8	15.1	15.1	15.8	15.1	15.1	15.8	15.8	15.8	15.1	15.1
60°	3.6	3.6	3.6	3.6	4.3	4.3	4.3	4.3	5.0	5.7	5.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
64°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
66°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
80°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
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°	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5
2.5°	245.1	239.3	240.1	235.7	232.9	230.7	232.9	226.4	225.0	218.5	214.9
5°	350.0	336.4	332.1	322.0	310.5	304.7	302.6	290.4	283.9	271.7	264.5
7.5°	578.6	535.5	510.3	480.8	444.9	426.9	403.9	381.7	357.2	334.2	318.4
10°	1258.5	1121.2	1018.5	912.8	769.8	697.9	605.9	538.3	470.8	417.6	384.5
11°	1667.5	1492.8	1354.1	1207.5	1017.7	915.0	780.6	669.9	552.7	471.5	418.3
12°	2110.2	1901.1	1730.0	1538.8	1306.7	1168.7	1000.5	853.9	690.7	565.7	474.4
13°	2556.6	2316.5	2118.9	1887.4	1623.7	1446.1	1247.7	1066.6	862.5	702.9	570.7
14°	2988.6	2724.8	2505.6	2236.7	1950.7	1736.5	1510.8	1293.7	1053.0	858.9	692.9
15°	3374.5	3095.6	2866.4	2576.0	2275.6	2027.6	1774.6	1522.3	1271.5	1024.2	826.6
17.5°	4038.6	3745.4	3519.7	3214.2	2917.4	2634.9	2345.3	2017.5	1707.7	1400.8	1167.2
20°	4541.0	4187.4	3917.2	3555.6	3217.1	2898.7	2592.5	2258.3	1952.1	1620.8	1354.8
21°	4669.0	4302.4	4026.4	3664.2	3299.1	2962.7	2640.7	2289.9	1972.2	1638.0	1373.5
22°	4777.5	4409.5	4114.1	3733.9	3360.9	3005.1	2670.1	2301.4	1970.8	1625.8	1359.9
23°	4860.2	4485.7	4185.3	3795.0	3409.0	3036.0	2683.8	2296.4	1953.6	1600.7	1328.2
24°	4938.5	4555.4	4242.1	3833.1	3437.1	3041.0	2676.6	2276.3	1924.8	1562.6	1285.8
25°	4988.8	4602.1	4273.0	3851.8	3438.5	3027.4	2652.9	2242.5	1881.0	1510.8	1230.5
26°	5024.8	4624.4	4283.7	3845.3	3427.0	3000.1	2615.5	2192.2	1820.6	1446.8	1166.5
27°	5030.5	4623.0	4270.1	3823.0	3388.9	2948.3	2555.1	2121.7	1743.0	1372.8	1096.8
28°	5009.0	4596.4	4235.6	3779.9	3335.7	2879.3	2476.8	2036.9	1656.7	1290.9	1019.9
29°	4970.9	4551.8	4176.6	3709.5	3252.3	2786.6	2382.6	1938.5	1559.7	1198.2	935.1
30°	4910.5	4487.1	4101.2	3626.8	3156.7	2681.6	2273.4	1823.5	1441.1	1084.6	824.4
31°	4837.9	4403.8	3999.1	3513.2	3036.7	2558.0	2146.9	1670.4	1288.7	941.6	692.2
32°	4743.7	4298.1	3882.0	3387.5	2902.3	2416.4	1973.7	1474.9	1107.6	775.5	549.1
33°	4639.5	4181.0	3742.5	3225.0	2752.8	2226.7	1746.6	1253.5	905.6	600.2	403.9
34°	4510.9	4040.8	3594.5	3059.7	2560.9	1980.2	1454.7	1014.9	697.2	429.1	274.6
35°	4362.1	3879.1	3414.8	2864.9	2302.9	1696.2	1183.1	807.2	498.8	286.1	199.8
36°	4188.9	3703.7	3224.3	2612.6	2008.9	1399.4	920.7	591.5	341.4	217.8	171.8
37°	4002.0	3507.5	2969.1	2349.6	1693.4	1106.9	685.0	416.2	258.0	193.3	148.8
38°	3792.1	3298.3	2680.2	2023.3	1376.4	836.6	489.5	310.5	222.1	168.2	127.2
39°	3560.0	3040.3	2349.6	1679.7	1070.9	603.0	373.0	255.2	191.9	145.2	110.0
40°	3302.6	2676.6	1989.5	1340.5	796.4	434.8	304.0	220.7	167.5	124.3	93.4
42.5°	2445.9	1775.3	1094.7	632.5	375.9	271.0	202.0	155.2	110.0	74.7	48.2
45°	1469.8	906.3	480.1	328.5	237.9	181.8	130.1	89.8	52.5	32.3	22.3
47.5°	656.9	378.8	268.8	212.0	153.8	108.5	63.2	38.1	23.7	16.5	12.2
50°	255.9	207.7	160.3	122.2	74.0	43.1	27.3	18.0	12.2	8.6	5.7
51°	197.7	161.0	125.1	89.8	49.6	30.2	20.1	13.7	9.3	6.5	4.3
52°	151.7	123.6	94.2	60.4	33.8	23.0	15.8	10.1	7.2	4.3	3.6
53°	111.4	94.9	65.4	42.4	24.4	17.2	12.2	7.9	5.0	3.6	2.9
54°	76.9	65.4	41.7	26.6	18.0	12.9	8.6	5.7	3.6	2.9	2.9
55°	46.7	41.0	27.3	19.4	12.9	9.3	6.5	4.3	2.9	2.2	2.2
57.5°	14.4	12.9	10.8	8.6	5.7	4.3	2.9	2.2	2.2	2.2	2.2
60°	5.0	5.0	4.3	3.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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°	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
64°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.9
65°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.9
66°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.9
67.5°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.9
70°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.9	2.9
72.5°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.9	2.9
75°	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9
77.5°	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9
80°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.9	2.9	2.9
82.5°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.9	2.9	2.9
85°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.9	2.9	2.9
87.5°	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	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: P208894

CATALOG NUMBER: LDSQA6A20835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5
2.5°	212.0	208.4	205.6	202.7	199.1	196.9	194.8	190.5	188.3	183.3	179.7
5°	256.6	248.7	240.8	232.9	225.7	219.9	214.2	206.3	200.5	191.9	184.7
7.5°	301.2	285.3	271.0	258.7	245.8	236.5	225.7	214.2	204.1	192.6	181.8
10°	351.5	322.0	297.6	276.0	257.3	242.2	227.8	212.0	199.8	184.7	172.5
11°	373.0	337.8	307.6	281.7	260.2	242.9	226.4	209.2	195.5	180.4	166.7
12°	404.7	352.9	317.7	287.5	261.6	242.2	224.2	205.6	191.2	175.4	161.7
13°	457.8	380.2	327.7	291.1	263.8	240.8	220.7	200.5	185.4	168.9	154.5
14°	546.2	428.4	348.6	297.6	263.8	239.3	216.3	194.8	178.2	161.7	147.3
15°	654.1	506.7	388.8	311.2	263.1	236.5	212.0	189.0	171.1	153.8	138.0
17.5°	930.1	733.1	561.3	412.6	301.9	231.4	196.2	169.6	150.2	130.8	116.4
20°	1095.4	871.1	678.5	506.7	364.4	253.7	182.6	148.1	127.2	110.0	96.3
21°	1115.5	889.1	691.4	518.2	371.6	256.6	178.2	138.7	117.9	100.6	88.4
22°	1109.0	884.1	685.7	511.7	364.4	250.1	170.3	130.1	109.2	92.7	80.5
23°	1077.4	856.0	658.4	485.9	345.0	235.0	158.8	120.7	100.6	84.8	73.3
24°	1031.4	809.3	616.7	447.8	310.5	208.4	142.3	110.7	92.0	77.6	68.3
25°	976.8	756.1	564.2	404.7	269.5	179.0	125.1	100.6	83.4	70.4	62.5
26°	915.7	698.6	509.6	355.8	226.4	150.2	110.7	91.3	74.7	63.2	56.8
27°	850.3	636.1	452.1	302.6	188.3	127.9	99.9	81.2	67.6	58.2	51.7
28°	780.6	573.6	389.6	252.3	156.0	112.1	89.8	72.6	60.4	52.5	47.4
29°	702.2	500.2	329.2	206.3	128.7	99.2	79.8	64.7	54.6	48.2	43.8
30°	603.7	417.6	263.8	166.0	110.7	88.4	71.2	58.2	49.6	44.6	40.2
31°	491.6	324.9	200.5	131.5	96.3	78.3	63.2	52.5	45.3	41.0	36.7
32°	371.6	236.5	149.5	109.2	84.8	69.0	56.1	47.4	41.7	36.7	33.8
33°	261.6	168.9	120.7	94.9	74.0	60.4	50.3	43.1	38.1	33.1	30.2
34°	179.7	135.8	104.9	81.9	64.7	53.9	45.3	38.8	33.8	29.5	26.6
35°	151.7	118.6	90.6	70.4	56.1	47.4	40.2	34.5	29.5	25.9	23.0
36°	130.8	102.8	77.6	61.8	48.9	41.0	35.2	29.5	25.2	21.6	20.1
37°	112.8	88.4	66.8	53.2	41.7	34.5	28.7	24.4	21.6	18.7	17.2
38°	97.7	74.7	56.8	45.3	34.5	28.0	23.7	20.1	18.0	15.8	14.4
39°	83.4	62.5	46.0	35.9	27.3	23.0	19.4	17.2	15.1	13.7	12.2
40°	69.0	49.6	35.2	28.0	21.6	18.7	15.8	14.4	12.2	11.5	10.8
42.5°	32.3	23.7	18.7	15.8	12.9	11.5	10.1	8.6	7.9	7.2	7.2
45°	16.5	13.7	10.1	8.6	7.2	6.5	5.7	5.0	5.0	5.0	5.0
47.5°	8.6	6.5	5.0	4.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6
50°	4.3	2.9	2.9	2.9	2.2	2.9	2.9	2.9	2.9	3.6	3.6
51°	2.9	2.9	2.2	2.2	2.2	2.9	2.9	2.9	2.9	3.6	3.6
52°	2.9	2.2	2.2	2.2	2.2	2.9	2.9	2.9	2.9	3.6	3.6
53°	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	3.6	3.6
54°	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	3.6	3.6
55°	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	2.9	3.6
57.5°	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	2.9	2.9	3.6
60°	2.2	2.2	2.2	2.2	2.9	2.9	2.9	2.9	2.9	2.9	3.6



TEST NUMBER: P208894

CATALOG NUMBER: LDSQA6A20835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6
64°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6
65°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6
66°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6	3.6
67.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6	3.6
70°	2.9	2.9	2.9	2.9	2.9	2.9	3.6	3.6	3.6	3.6	3.6
72.5°	2.9	2.9	2.9	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6
75°	2.9	2.9	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	2.9	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	2.9	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	2.9	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	2.9	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
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: P208894

CATALOG NUMBER: LDSQA6A20835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5
2.5°	179.7	173.2	173.9	170.3	142.3	127.2	119.3	113.6
5°	181.1	171.8	169.6	163.9	118.6	101.3	94.2	90.6
7.5°	176.1	163.9	159.6	151.7	100.6	84.8	79.1	76.2
10°	164.6	150.9	143.7	134.4	86.2	73.3	67.6	65.4
11°	158.8	144.5	137.3	127.9	81.2	69.0	64.0	61.8
12°	152.4	137.3	130.8	120.7	76.2	64.7	60.4	58.2
13°	145.2	130.1	123.6	114.3	71.2	61.1	57.5	55.3
14°	136.6	122.9	116.4	107.8	66.8	57.5	54.6	53.2
15°	128.7	115.7	108.5	99.9	63.2	54.6	52.5	51.0
17.5°	107.8	96.3	90.6	83.4	53.2	46.7	46.7	46.0
20°	88.4	78.3	74.0	68.3	44.6	41.0	41.7	41.7
21°	81.2	72.6	68.3	63.2	42.4	38.8	40.2	40.2
22°	74.0	66.1	63.2	58.2	39.5	36.7	38.8	38.8
23°	68.3	60.4	58.2	53.9	36.7	35.2	37.4	37.4
24°	62.5	56.1	53.2	49.6	34.5	33.1	35.9	36.7
25°	57.5	51.0	48.9	46.0	32.3	31.6	34.5	35.2
26°	52.5	46.7	45.3	42.4	30.2	30.2	33.1	34.5
27°	48.2	43.8	41.7	38.8	28.0	28.7	32.3	33.1
28°	44.6	40.2	38.1	35.9	25.9	27.3	30.9	32.3
29°	41.0	36.7	35.2	33.1	24.4	25.9	29.5	31.6
30°	37.4	33.8	32.3	30.2	23.0	24.4	28.7	30.9
31°	34.5	30.9	29.5	27.3	21.6	23.7	27.3	29.5
32°	30.9	28.0	26.6	25.2	20.1	22.3	26.6	28.7
33°	28.0	24.4	23.7	22.3	19.4	21.6	25.9	27.3
34°	24.4	21.6	20.8	20.1	18.0	20.1	24.4	26.6
35°	20.8	19.4	18.7	18.0	16.5	19.4	23.7	25.9
36°	18.7	16.5	16.5	15.8	15.8	18.7	23.0	25.2
37°	15.8	15.1	14.4	14.4	14.4	17.2	21.6	24.4
38°	13.7	12.9	12.9	12.9	13.7	16.5	20.8	23.7
39°	11.5	11.5	11.5	11.5	12.9	15.8	20.1	23.0
40°	10.1	10.1	10.1	10.1	12.2	15.1	19.4	22.3
42.5°	7.2	7.2	7.2	7.9	10.1	13.7	17.2	20.8
45°	5.7	5.7	5.7	6.5	9.3	12.2	15.8	18.7
47.5°	4.3	4.3	5.0	5.7	7.9	10.8	14.4	17.2
50°	3.6	4.3	4.3	5.0	7.2	10.1	12.2	15.1
51°	3.6	3.6	4.3	4.3	6.5	9.3	11.5	14.4
52°	3.6	3.6	4.3	4.3	6.5	8.6	11.5	12.9
53°	3.6	3.6	4.3	4.3	6.5	8.6	10.8	12.2
54°	3.6	3.6	4.3	4.3	5.7	7.9	10.1	11.5
55°	3.6	3.6	4.3	4.3	5.7	7.9	10.1	10.1
57.5°	3.6	3.6	3.6	4.3	5.0	7.2	8.6	8.6
60°	3.6	3.6	3.6	3.6	5.0	6.5	7.9	5.7



TEST NUMBER: P208894

CATALOG NUMBER: LDSQA6A20835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.6	3.6	3.6	3.6	4.3	5.7	6.5	4.3
64°	3.6	3.6	3.6	4.3	4.3	5.7	5.7	4.3
65°	3.6	3.6	3.6	3.6	4.3	5.0	5.7	4.3
66°	3.6	3.6	3.6	3.6	4.3	5.0	5.0	4.3
67.5°	3.6	3.6	3.6	3.6	4.3	5.0	5.0	3.6
70°	3.6	3.6	3.6	3.6	4.3	4.3	4.3	3.6
72.5°	3.6	3.6	3.6	3.6	3.6	4.3	3.6	2.9
75°	3.6	3.6	4.3	4.3	3.6	3.6	2.9	2.9
77.5°	3.6	3.6	4.3	4.3	3.6	3.6	2.9	2.2
80°	3.6	3.6	4.3	4.3	3.6	2.9	2.2	2.2
82.5°	3.6	3.6	4.3	4.3	3.6	2.9	2.2	1.4
85°	3.6	3.6	4.3	4.3	3.6	2.9	1.4	1.4
87.5°	3.6	3.6	4.3	4.3	3.6	2.2	1.4	0.7
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	3.6	3.6
62°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.2





61°	3.6	3.6	2.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
62°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2





61°	2.2	2.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6
62°	2.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6





61°	3.6	3.6	3.6	3.6	5.0	6.5	7.2	5.0
62°	3.6	3.6	3.6	3.6	5.0	6.5	6.5	5.0



(END OF REPORT)