

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: P208891

Luminaire Tested: **LDSQA6A15940D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208891
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: LDSQA6A15940D010TE 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 / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1580.2 lumens
Efficiency: N/A
Efficacy: 72.5 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

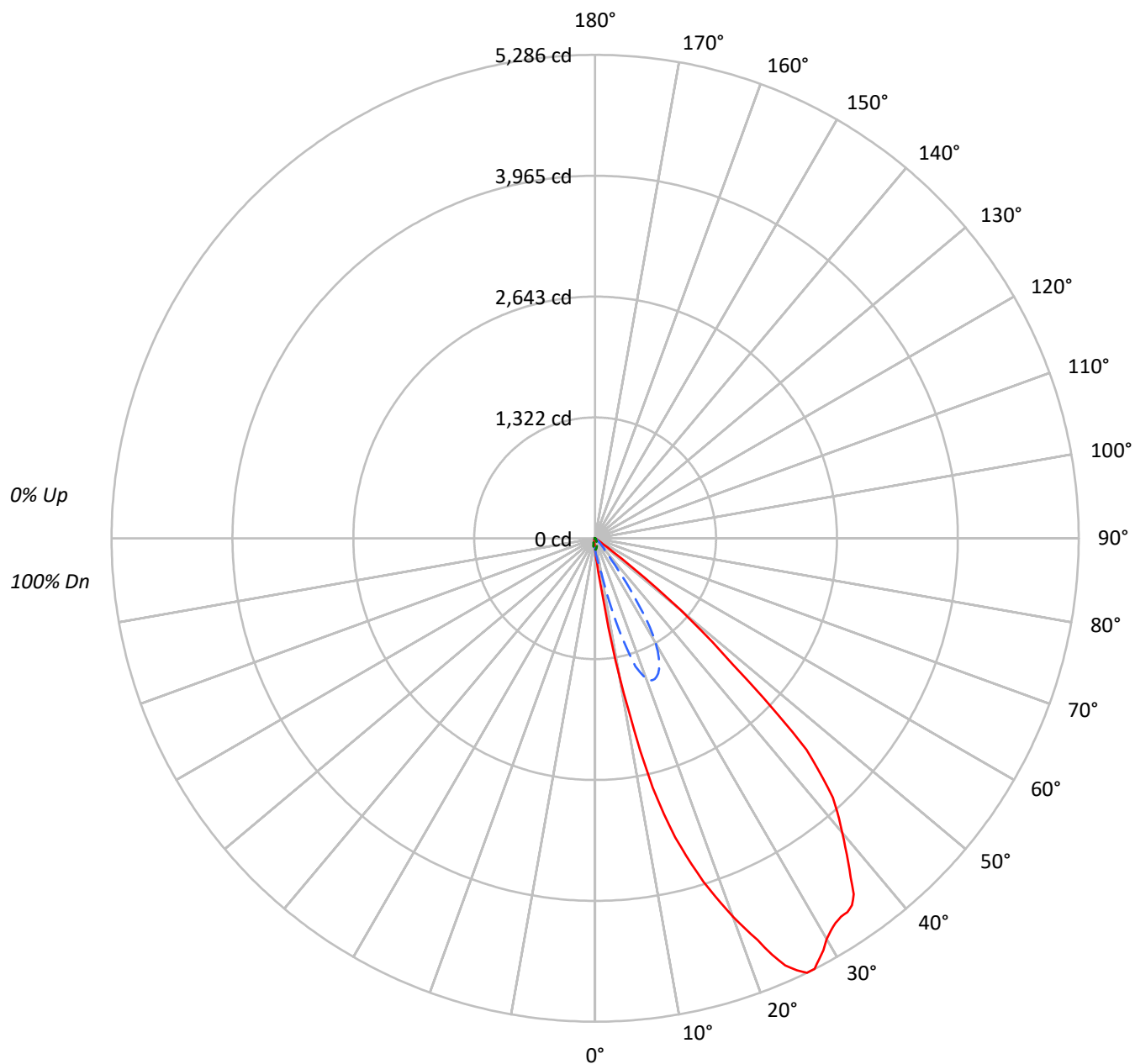
Input Watts (W): 21.79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	112	109	106	104	110	107	104	102		103	101	99			99	97	96			91
2	105	100	95	91	103	98	94	90		95	91	88			92	89	86			82
3	99	91	85	80	96	89	84	80		87	82	78			84	80	77			74
4	92	83	76	71	90	82	76	71		79	74	70			77	73	69			66
5	86	76	69	64	84	75	68	63		73	67	63			71	66	62			60
6	80	69	62	57	78	68	62	57		67	61	56			65	60	56			54
7	75	64	56	51	73	63	56	51		61	55	51			60	54	50			48
8	70	58	51	46	68	58	51	46		56	50	46			55	50	46			44
9	65	54	47	42	64	53	46	42		52	46	41			51	45	41			39
10	61	49	42	38	60	49	42	38		48	42	38			47	42	37			36

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	5403	5403	5403
5°	13238	5152	2848
10°	67101	4276	2081
15°	150943	3241	1654
20°	201598	2277	1388
25°	247690	1591	1216
30°	251545	1094	1119
35°	257366	689	988
40°	236337	410	911
45°	199031	286	828
50°	81411	248	737
55°	3963	233	548
60°	224	224	362
65°	51	265	316
70°	63	327	327
75°	0	516	349
80°	0	769	397
85°	0	1531	494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	1.2
10°-20°	208.9	13.2
20°-30°	481.0	30.4
30°-40°	529.0	33.5
40°-50°	310.3	19.6
50°-60°	25.3	1.6
60°-70°	2.6	0.2
70°-80°	2.2	0.1
80°-90°	1.7	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°	709.2	44.9
0°-40°	1238.2	78.4
0°-60°	1573.8	99.6
0°-90°	1580.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	126	126	126	126	126	
5°	306	211	119	74	66	64
15°	3386	1107	73	40	37	956
25°	5214	1631	34	23	26	2336
35°	4896	587	13	14	19	2983
45°	3269	65	5	9	14	2264
55°	53	3	3	6	7	211
65°	0	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°	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5
2.5°	193.4	189.2	188.2	187.7	184.5	186.1	187.1	184.5	184.5	184.5	178.8
5°	306.3	294.8	293.3	290.6	282.8	282.8	283.8	277.1	274.4	265.0	256.7
7.5°	628.3	584.9	605.3	593.8	561.9	551.5	549.4	520.6	502.9	467.3	434.9
10°	1534.8	1437.5	1467.3	1436.0	1361.7	1314.7	1314.7	1234.2	1174.1	1068.5	961.8
11°	1917.4	1856.8	1887.1	1850.5	1763.2	1705.2	1703.6	1609.0	1535.3	1405.1	1272.4
12°	2375.9	2282.8	2263.5	2272.4	2174.6	2108.2	2100.4	1996.3	1913.2	1762.7	1611.1
13°	2796.1	2733.4	2667.5	2671.7	2569.3	2501.3	2484.6	2375.3	2287.5	2124.4	1956.6
14°	3108.2	3073.2	3016.2	3009.9	2917.4	2848.9	2828.6	2717.2	2625.2	2461.1	2284.9
15°	3386.3	3353.4	3299.5	3285.4	3196.6	3127.0	3103.5	2987.5	2893.4	2738.6	2568.2
17.5°	3937.8	3916.4	3895.5	3839.0	3771.6	3670.2	3637.2	3502.4	3380.0	3240.5	3054.4
20°	4399.9	4371.2	4327.2	4281.2	4196.0	4086.3	4063.3	3900.7	3772.6	3633.6	3416.1
21°	4568.8	4540.5	4493.5	4440.7	4344.0	4227.9	4196.0	4024.6	3889.7	3745.4	3524.3
22°	4737.6	4710.9	4662.8	4595.9	4488.8	4358.6	4311.0	4130.2	3988.0	3829.1	3606.9
23°	4946.7	4884.0	4831.7	4749.6	4623.6	4476.2	4411.9	4216.9	4067.4	3901.7	3675.4
24°	5112.4	5048.6	4987.5	4887.6	4745.4	4581.8	4499.8	4292.2	4139.6	3960.3	3731.8
25°	5213.8	5180.9	5116.6	5003.2	4848.9	4670.2	4574.0	4353.9	4187.2	4009.4	3778.4
26°	5286.5	5252.0	5196.6	5077.9	4930.5	4748.6	4631.5	4405.7	4233.2	4041.3	3809.2
27°	5283.9	5263.0	5216.4	5111.9	4988.0	4802.9	4679.6	4440.2	4257.2	4057.5	3821.2
28°	5213.8	5213.8	5192.9	5108.2	5001.6	4827.0	4696.8	4446.4	4259.8	4053.9	3813.4
29°	5150.0	5133.8	5138.0	5071.6	4980.7	4810.3	4684.3	4428.1	4240.5	4030.3	3789.9
30°	5059.6	5054.9	5073.2	5019.9	4944.6	4774.7	4644.0	4390.0	4202.3	3991.6	3752.2
31°	5003.2	4990.6	5008.4	4963.9	4881.4	4707.3	4582.9	4335.1	4152.1	3942.0	3706.2
32°	4960.8	4945.7	4966.6	4909.1	4819.1	4647.2	4514.4	4275.0	4086.8	3887.1	3647.7
33°	4935.2	4930.5	4938.3	4860.4	4744.9	4565.6	4445.4	4210.7	4024.1	3825.4	3583.4
34°	4930.5	4920.6	4907.0	4795.1	4670.2	4488.3	4367.5	4139.1	3956.6	3752.8	3505.0
35°	4896.5	4874.6	4843.7	4704.7	4564.6	4390.5	4276.5	4056.5	3871.9	3666.0	3407.7
36°	4808.7	4771.6	4738.1	4593.3	4448.0	4285.4	4178.3	3962.9	3778.9	3566.1	3296.4
37°	4639.8	4627.3	4586.5	4463.2	4330.4	4174.1	4070.6	3865.1	3674.9	3451.7	3172.0
38°	4493.5	4479.9	4442.3	4330.9	4210.2	4060.1	3957.1	3739.2	3557.8	3323.1	3036.1
39°	4345.0	4333.0	4304.2	4183.0	4077.9	3936.8	3833.8	3615.8	3430.2	3180.4	2886.1
40°	4204.9	4192.9	4166.8	4046.5	3942.5	3808.2	3703.6	3481.5	3306.9	3025.1	2714.1
42.5°	3847.9	3807.1	3773.7	3658.1	3565.1	3425.5	3312.6	3084.2	2839.5	2541.0	2229.0
45°	3268.7	3218.0	3178.3	3104.0	3002.6	2894.9	2742.3	2495.6	2242.6	1954.0	1529.0
47.5°	2040.8	1969.7	1924.2	1839.5	1725.6	1651.9	1611.6	1481.4	1308.9	1181.4	858.3
50°	1215.4	1163.1	1124.9	1002.1	915.3	807.6	705.2	515.9	414.0	313.1	259.3
51°	874.0	831.2	808.7	707.3	641.4	564.6	492.4	359.1	289.1	218.5	180.3
52°	506.0	473.1	472.0	406.7	381.1	349.7	299.0	236.8	202.3	158.4	135.4
53°	235.2	215.9	219.6	189.2	179.3	175.1	173.5	138.0	134.9	118.1	99.8
54°	105.6	96.7	90.4	87.3	84.7	85.7	87.8	79.5	76.3	74.2	68.0
55°	52.8	48.1	45.5	48.1	42.9	43.4	45.0	41.8	40.8	40.8	39.7
57.5°	11.5	11.0	11.0	11.5	11.0	11.0	11.5	11.5	11.5	11.0	11.0
60°	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.1	3.7	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
64°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
66°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
80°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
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°	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5
2.5°	178.3	174.1	174.6	171.5	169.4	167.8	169.4	164.7	163.6	158.9	156.3
5°	254.6	244.6	241.5	234.2	225.8	221.6	220.1	211.2	206.5	197.6	192.4
7.5°	420.8	389.4	371.1	349.7	323.6	310.5	293.8	277.6	259.8	243.1	231.6
10°	915.3	815.5	740.7	663.9	559.9	507.6	440.7	391.5	342.4	303.7	279.7
11°	1212.8	1085.7	984.8	878.2	740.2	665.4	567.7	487.2	402.0	342.9	304.2
12°	1534.8	1382.6	1258.2	1119.2	950.3	850.0	727.7	621.0	502.4	411.4	345.0
13°	1859.4	1684.8	1541.0	1372.7	1180.9	1051.8	907.5	775.7	627.3	511.2	415.1
14°	2173.6	1981.7	1822.3	1626.8	1418.7	1262.9	1098.8	940.9	765.8	624.7	503.9
15°	2454.3	2251.4	2084.7	1873.5	1655.0	1474.7	1290.6	1107.2	924.7	744.9	601.2
17.5°	2937.3	2724.0	2559.9	2337.7	2121.8	1916.4	1705.7	1467.3	1242.0	1018.8	848.9
20°	3302.7	3045.5	2848.9	2586.0	2339.8	2108.2	1885.5	1642.5	1419.8	1178.8	985.4
21°	3395.7	3129.1	2928.4	2664.9	2399.4	2154.7	1920.5	1665.5	1434.4	1191.3	999.0
22°	3474.7	3207.0	2992.2	2715.6	2444.3	2185.6	1942.0	1673.8	1433.4	1182.4	989.0
23°	3534.8	3262.4	3043.9	2760.1	2479.4	2208.1	1951.9	1670.2	1420.8	1164.1	966.0
24°	3591.8	3313.1	3085.2	2787.8	2499.7	2211.7	1946.7	1655.5	1399.9	1136.4	935.2
25°	3628.3	3347.1	3107.7	2801.4	2500.8	2201.8	1929.4	1631.0	1368.0	1098.8	894.9
26°	3654.5	3363.3	3115.5	2796.7	2492.4	2181.9	1902.3	1594.4	1324.1	1052.3	848.4
27°	3658.7	3362.3	3105.6	2780.5	2464.7	2144.3	1858.3	1543.1	1267.6	998.4	797.7
28°	3643.0	3342.9	3080.5	2749.1	2426.0	2094.1	1801.4	1481.4	1204.9	938.8	741.8
29°	3615.3	3310.5	3037.6	2697.9	2365.4	2026.7	1732.9	1409.8	1134.3	871.4	680.1
30°	3571.4	3263.5	2982.8	2637.7	2295.9	1950.3	1653.4	1326.2	1048.1	788.8	599.6
31°	3518.6	3202.8	2908.5	2555.2	2208.6	1860.4	1561.4	1214.8	937.3	684.8	503.4
32°	3450.1	3126.0	2823.3	2463.7	2110.8	1757.5	1435.4	1072.7	805.5	564.0	399.4
33°	3374.3	3040.8	2721.9	2345.5	2002.1	1619.5	1270.3	911.7	658.7	436.5	293.8
34°	3280.7	2938.8	2614.2	2225.3	1862.5	1440.2	1058.0	738.1	507.1	312.1	199.7
35°	3172.5	2821.2	2483.5	2083.6	1674.9	1233.7	860.4	587.0	362.8	208.1	145.3
36°	3046.5	2693.7	2345.0	1900.2	1461.1	1017.8	669.6	430.2	248.3	158.4	124.9
37°	2910.6	2551.0	2159.4	1708.8	1231.6	805.0	498.2	302.7	187.7	140.6	108.2
38°	2758.0	2398.9	1949.3	1471.5	1001.0	608.5	356.0	225.8	161.5	122.3	92.5
39°	2589.1	2211.2	1708.8	1221.6	778.9	438.6	271.3	185.6	139.6	105.6	80.0
40°	2402.0	1946.7	1446.9	974.9	579.2	316.3	221.1	160.5	121.8	90.4	68.0
42.5°	1778.9	1291.2	796.1	460.0	273.4	197.1	146.9	112.9	80.0	54.4	35.0
45°	1069.0	659.2	349.2	238.9	173.0	132.3	94.6	65.3	38.2	23.5	16.2
47.5°	477.8	275.5	195.5	154.2	111.9	78.9	46.0	27.7	17.3	12.0	8.9
50°	186.1	151.1	116.6	88.9	53.8	31.4	19.9	13.1	8.9	6.3	4.2
51°	143.8	117.1	91.0	65.3	36.1	22.0	14.6	9.9	6.8	4.7	3.1
52°	110.3	89.9	68.5	43.9	24.6	16.7	11.5	7.3	5.2	3.1	2.6
53°	81.0	69.0	47.6	30.8	17.8	12.5	8.9	5.8	3.7	2.6	2.1
54°	55.9	47.6	30.3	19.3	13.1	9.4	6.3	4.2	2.6	2.1	2.1
55°	34.0	29.8	19.9	14.1	9.4	6.8	4.7	3.1	2.1	1.6	1.6
57.5°	10.5	9.4	7.8	6.3	4.2	3.1	2.1	1.6	1.6	1.6	1.6
60°	3.7	3.7	3.1	2.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



TEST NUMBER: P208891

CATALOG NUMBER: LDSQA6A15940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
64°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	2.1
65°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	2.1
66°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	2.1
67.5°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	2.1
70°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	2.1	2.1
72.5°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	2.1	2.1
75°	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1
77.5°	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1
80°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	2.1	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	2.1	2.1	2.1
85°	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	2.1	2.1	2.1
87.5°	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1
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: P208891

CATALOG NUMBER: LDSQA6A15940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5
2.5°	154.2	151.6	149.5	147.4	144.8	143.2	141.7	138.5	137.0	133.3	130.7
5°	186.6	180.9	175.1	169.4	164.1	160.0	155.8	150.0	145.8	139.6	134.3
7.5°	219.0	207.5	197.1	188.2	178.8	172.0	164.1	155.8	148.5	140.1	132.3
10°	255.6	234.2	216.4	200.7	187.1	176.2	165.7	154.2	145.3	134.3	125.5
11°	271.3	245.7	223.7	204.9	189.2	176.7	164.7	152.1	142.2	131.2	121.3
12°	294.3	256.7	231.1	209.1	190.3	176.2	163.1	149.5	139.0	127.5	117.6
13°	333.0	276.5	238.4	211.7	191.8	175.1	160.5	145.8	134.9	122.8	112.4
14°	397.3	311.6	253.5	216.4	191.8	174.1	157.3	141.7	129.6	117.6	107.2
15°	475.7	368.5	282.8	226.3	191.3	172.0	154.2	137.5	124.4	111.9	100.4
17.5°	676.4	533.2	408.3	300.1	219.6	168.3	142.7	123.4	109.3	95.1	84.7
20°	796.7	633.6	493.5	368.5	265.0	184.5	132.8	107.7	92.5	80.0	70.0
21°	811.3	646.6	502.9	376.9	270.3	186.6	129.6	100.9	85.7	73.2	64.3
22°	806.6	643.0	498.7	372.2	265.0	181.9	123.9	94.6	79.5	67.4	58.5
23°	783.6	622.6	478.8	353.4	250.9	170.9	115.5	87.8	73.2	61.7	53.3
24°	750.1	588.6	448.5	325.7	225.8	151.6	103.5	80.5	66.9	56.5	49.7
25°	710.4	549.9	410.4	294.3	196.0	130.2	91.0	73.2	60.6	51.2	45.5
26°	666.0	508.1	370.6	258.8	164.7	109.3	80.5	66.4	54.4	46.0	41.3
27°	618.4	462.6	328.8	220.1	137.0	93.0	72.7	59.1	49.1	42.3	37.6
28°	567.7	417.1	283.3	183.5	113.4	81.5	65.3	52.8	43.9	38.2	34.5
29°	510.7	363.8	239.4	150.0	93.6	72.1	58.0	47.0	39.7	35.0	31.9
30°	439.1	303.7	191.8	120.8	80.5	64.3	51.8	42.3	36.1	32.4	29.3
31°	357.6	236.3	145.8	95.7	70.0	57.0	46.0	38.2	32.9	29.8	26.7
32°	270.3	172.0	108.7	79.5	61.7	50.2	40.8	34.5	30.3	26.7	24.6
33°	190.3	122.8	87.8	69.0	53.8	43.9	36.6	31.4	27.7	24.0	22.0
34°	130.7	98.8	76.3	59.6	47.0	39.2	32.9	28.2	24.6	21.4	19.3
35°	110.3	86.3	65.9	51.2	40.8	34.5	29.3	25.1	21.4	18.8	16.7
36°	95.1	74.8	56.5	45.0	35.5	29.8	25.6	21.4	18.3	15.7	14.6
37°	82.1	64.3	48.6	38.7	30.3	25.1	20.9	17.8	15.7	13.6	12.5
38°	71.1	54.4	41.3	32.9	25.1	20.4	17.3	14.6	13.1	11.5	10.5
39°	60.6	45.5	33.5	26.1	19.9	16.7	14.1	12.5	11.0	9.9	8.9
40°	50.2	36.1	25.6	20.4	15.7	13.6	11.5	10.5	8.9	8.4	7.8
42.5°	23.5	17.3	13.6	11.5	9.4	8.4	7.3	6.3	5.8	5.2	5.2
45°	12.0	9.9	7.3	6.3	5.2	4.7	4.2	3.7	3.7	3.7	3.7
47.5°	6.3	4.7	3.7	3.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6
50°	3.1	2.1	2.1	2.1	1.6	2.1	2.1	2.1	2.1	2.6	2.6
51°	2.1	2.1	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.6	2.6
52°	2.1	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.6	2.6
53°	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.6	2.6
54°	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.6	2.6
55°	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.6
57.5°	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.6
60°	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.6



TEST NUMBER: P208891

CATALOG NUMBER: LDSQA6A15940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
64°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
66°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6	2.6
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6	2.6
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6
72.5°	2.1	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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: P208891

CATALOG NUMBER: LDSQA6A15940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5
2.5°	130.7	126.0	126.5	123.9	103.5	92.5	86.8	82.6
5°	131.7	124.9	123.4	119.2	86.3	73.7	68.5	65.9
7.5°	128.1	119.2	116.0	110.3	73.2	61.7	57.5	55.4
10°	119.7	109.8	104.5	97.8	62.7	53.3	49.1	47.6
11°	115.5	105.1	99.8	93.0	59.1	50.2	46.5	45.0
12°	110.8	99.8	95.1	87.8	55.4	47.0	43.9	42.3
13°	105.6	94.6	89.9	83.1	51.8	44.4	41.8	40.3
14°	99.3	89.4	84.7	78.4	48.6	41.8	39.7	38.7
15°	93.6	84.2	78.9	72.7	46.0	39.7	38.2	37.1
17.5°	78.4	70.0	65.9	60.6	38.7	34.0	34.0	33.5
20°	64.3	57.0	53.8	49.7	32.4	29.8	30.3	30.3
21°	59.1	52.8	49.7	46.0	30.8	28.2	29.3	29.3
22°	53.8	48.1	46.0	42.3	28.8	26.7	28.2	28.2
23°	49.7	43.9	42.3	39.2	26.7	25.6	27.2	27.2
24°	45.5	40.8	38.7	36.1	25.1	24.0	26.1	26.7
25°	41.8	37.1	35.5	33.5	23.5	23.0	25.1	25.6
26°	38.2	34.0	32.9	30.8	22.0	22.0	24.0	25.1
27°	35.0	31.9	30.3	28.2	20.4	20.9	23.5	24.0
28°	32.4	29.3	27.7	26.1	18.8	19.9	22.5	23.5
29°	29.8	26.7	25.6	24.0	17.8	18.8	21.4	23.0
30°	27.2	24.6	23.5	22.0	16.7	17.8	20.9	22.5
31°	25.1	22.5	21.4	19.9	15.7	17.3	19.9	21.4
32°	22.5	20.4	19.3	18.3	14.6	16.2	19.3	20.9
33°	20.4	17.8	17.3	16.2	14.1	15.7	18.8	19.9
34°	17.8	15.7	15.2	14.6	13.1	14.6	17.8	19.3
35°	15.2	14.1	13.6	13.1	12.0	14.1	17.3	18.8
36°	13.6	12.0	12.0	11.5	11.5	13.6	16.7	18.3
37°	11.5	11.0	10.5	10.5	10.5	12.5	15.7	17.8
38°	9.9	9.4	9.4	9.4	9.9	12.0	15.2	17.3
39°	8.4	8.4	8.4	8.4	9.4	11.5	14.6	16.7
40°	7.3	7.3	7.3	7.3	8.9	11.0	14.1	16.2
42.5°	5.2	5.2	5.2	5.8	7.3	9.9	12.5	15.2
45°	4.2	4.2	4.2	4.7	6.8	8.9	11.5	13.6
47.5°	3.1	3.1	3.7	4.2	5.8	7.8	10.5	12.5
50°	2.6	3.1	3.1	3.7	5.2	7.3	8.9	11.0
51°	2.6	2.6	3.1	3.1	4.7	6.8	8.4	10.5
52°	2.6	2.6	3.1	3.1	4.7	6.3	8.4	9.4
53°	2.6	2.6	3.1	3.1	4.7	6.3	7.8	8.9
54°	2.6	2.6	3.1	3.1	4.2	5.8	7.3	8.4
55°	2.6	2.6	3.1	3.1	4.2	5.8	7.3	7.3
57.5°	2.6	2.6	2.6	3.1	3.7	5.2	6.3	6.3
60°	2.6	2.6	2.6	2.6	3.7	4.7	5.8	4.2



TEST NUMBER: P208891

CATALOG NUMBER: LDSQA6A15940D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.6	2.6	2.6	2.6	3.1	4.2	4.7	3.1
64°	2.6	2.6	2.6	3.1	3.1	4.2	4.2	3.1
65°	2.6	2.6	2.6	2.6	3.1	3.7	4.2	3.1
66°	2.6	2.6	2.6	2.6	3.1	3.7	3.7	3.1
67.5°	2.6	2.6	2.6	2.6	3.1	3.7	3.7	2.6
70°	2.6	2.6	2.6	2.6	3.1	3.1	3.1	2.6
72.5°	2.6	2.6	2.6	2.6	2.6	3.1	2.6	2.1
75°	2.6	2.6	3.1	3.1	2.6	2.6	2.1	2.1
77.5°	2.6	2.6	3.1	3.1	2.6	2.6	2.1	1.6
80°	2.6	2.6	3.1	3.1	2.6	2.1	1.6	1.6
82.5°	2.6	2.6	3.1	3.1	2.6	2.1	1.6	1.0
85°	2.6	2.6	3.1	3.1	2.6	2.1	1.0	1.0
87.5°	2.6	2.6	3.1	3.1	2.6	1.6	1.0	0.5
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°	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.6	2.6
62°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6





61°	2.6	2.6	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
62°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6





61°	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
62°	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6





61°	2.6	2.6	2.6	2.6	3.7	4.7	5.2	3.7
62°	2.6	2.6	2.6	2.6	3.7	4.7	4.7	3.7



(END OF REPORT)