

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: P208904

Luminaire Tested: **LDSQA6A30927D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208904
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: LDSQA6A30927D010TE 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: 2335.3 lumens
Efficiency: N/A
Efficacy: 52.3 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

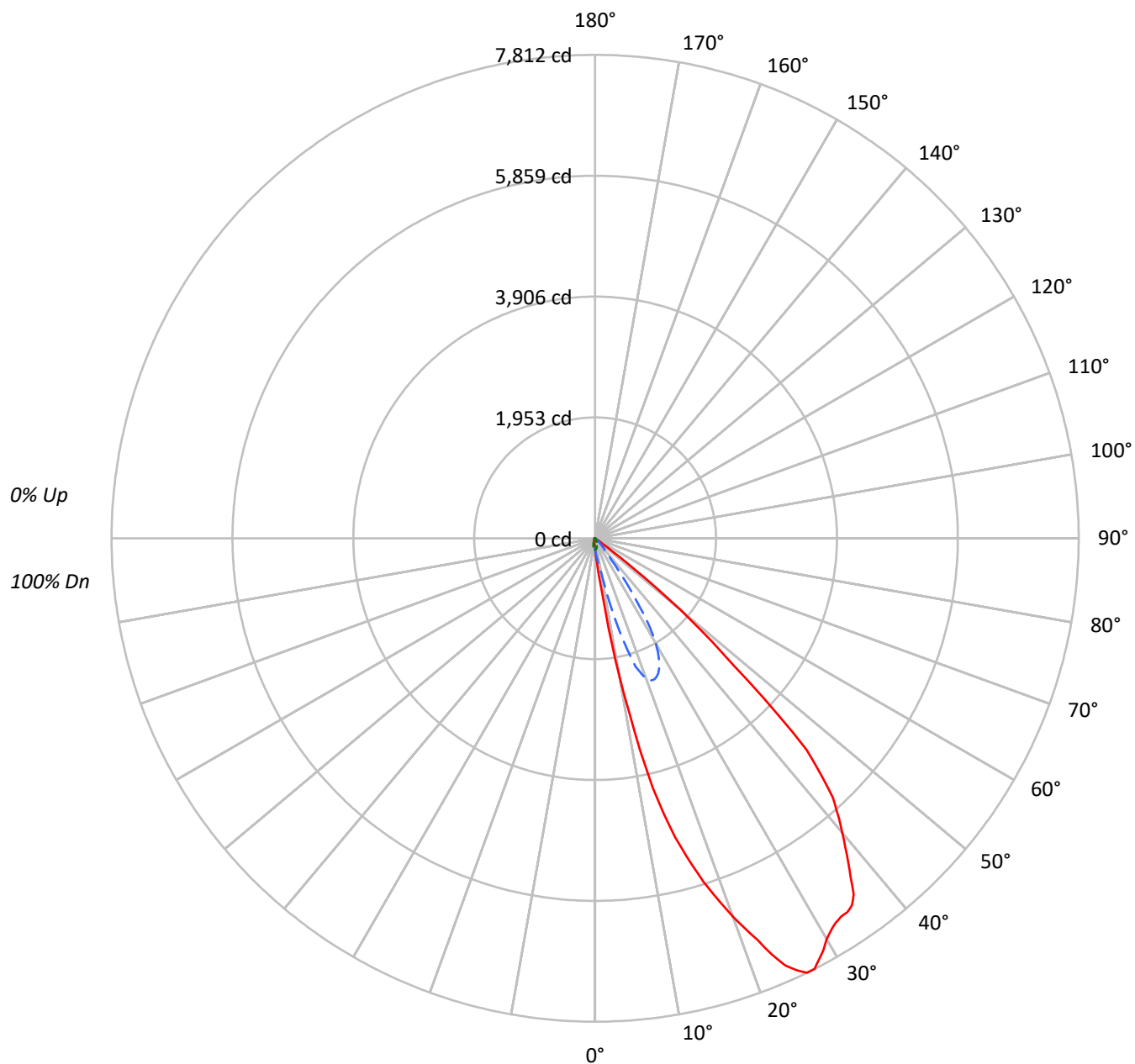
Input Watts (W): 44.62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10
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°	7983	7983	7983
5°	19566	7611	4205
10°	99161	6318	3074
15°	223064	4787	2443
20°	297923	3363	2053
25°	366039	2347	1801
30°	371734	1611	1651
35°	380339	1014	1461
40°	349265	607	1343
45°	294129	426	1224
50°	120308	362	1085
55°	5855	345	811
60°	336	336	534
65°	82	397	469
70°	101	491	491
75°	0	765	516
80°	0	1141	570
85°	0	2272	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	1.2
10°-20°	308.7	13.2
20°-30°	710.9	30.4
30°-40°	781.7	33.5
40°-50°	458.5	19.6
50°-60°	37.4	1.6
60°-70°	3.8	0.2
70°-80°	3.3	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°	1048.1	44.9
0°-40°	1829.8	78.4
0°-60°	2325.7	99.6
0°-90°	2335.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2335.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	185	185	185	185	185	
5°	453	312	176	109	97	95
15°	5004	1636	107	59	55	1412
25°	7705	2410	49	34	38	3452
35°	7236	868	19	21	28	4408
45°	4830	97	7	13	20	3345
55°	78	5	5	8	11	312
65°	1	2	4	5	5	1
75°	0	2	5	4	3	0
85°	0	2	5	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°	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4
2.5°	285.8	279.6	278.1	277.3	272.7	275.0	276.6	272.7	272.7	272.7	264.2
5°	452.7	435.7	433.4	429.5	417.9	417.9	419.5	409.4	405.6	391.7	379.3
7.5°	928.6	864.4	894.6	877.6	830.4	815.0	811.9	769.4	743.2	690.6	642.7
10°	2268.1	2124.4	2168.4	2122.1	2012.4	1942.9	1942.9	1823.9	1735.1	1579.0	1421.4
11°	2833.6	2744.0	2788.8	2734.7	2605.7	2519.9	2517.6	2377.8	2268.9	2076.5	1880.3
12°	3511.1	3373.6	3345.0	3358.1	3213.6	3115.5	3103.9	2950.2	2827.4	2604.9	2380.9
13°	4132.2	4039.5	3942.1	3948.3	3796.9	3696.5	3671.7	3510.3	3380.5	3139.5	2891.5
14°	4593.3	4541.6	4457.4	4448.1	4311.4	4210.2	4180.1	4015.5	3879.5	3637.0	3376.6
15°	5004.3	4955.7	4876.1	4855.2	4723.9	4621.2	4586.4	4414.9	4275.8	4047.2	3795.3
17.5°	5819.3	5787.6	5756.7	5673.3	5573.7	5423.8	5375.1	5175.8	4995.0	4788.8	4513.8
20°	6502.2	6459.7	6394.8	6326.9	6200.9	6038.7	6004.7	5764.5	5575.2	5369.7	5048.4
21°	6751.7	6710.0	6640.5	6562.5	6419.6	6248.1	6200.9	5947.6	5748.2	5535.0	5208.3
22°	7001.3	6961.9	6890.8	6791.9	6633.5	6441.2	6370.9	6103.6	5893.5	5658.6	5330.3
23°	7310.3	7217.6	7140.3	7019.0	6832.8	6615.0	6520.0	6231.8	6010.9	5766.0	5431.5
24°	7555.1	7460.9	7370.5	7223.0	7012.8	6771.0	6649.8	6343.1	6117.5	5852.5	5514.9
25°	7705.0	7656.3	7561.3	7393.7	7165.8	6901.6	6759.5	6434.2	6187.8	5925.2	5583.7
26°	7812.4	7761.4	7679.5	7504.2	7286.3	7017.5	6844.4	6510.7	6255.8	5972.3	5629.3
27°	7808.5	7777.6	7708.9	7554.4	7371.3	7097.8	6915.5	6561.7	6291.3	5996.2	5647.0
28°	7705.0	7705.0	7674.1	7549.0	7391.4	7133.4	6941.0	6571.0	6295.2	5990.8	5635.5
29°	7610.8	7586.8	7593.0	7494.9	7360.5	7108.6	6922.5	6543.9	6266.6	5956.1	5600.7
30°	7477.1	7470.2	7497.2	7418.4	7307.2	7056.1	6863.0	6487.5	6210.2	5898.9	5545.1
31°	7393.7	7375.2	7401.4	7335.8	7213.7	6956.5	6772.6	6406.4	6136.0	5825.5	5477.1
32°	7331.1	7308.7	7339.6	7254.6	7121.8	6867.6	6671.4	6317.6	6039.5	5744.4	5390.6
33°	7293.3	7286.3	7297.9	7182.8	7012.1	6747.1	6569.4	6222.6	5946.8	5653.2	5295.6
34°	7286.3	7271.6	7251.5	7086.2	6901.6	6632.8	6454.3	6116.7	5847.1	5545.8	5179.7
35°	7236.1	7203.7	7158.1	6952.6	6745.6	6488.3	6319.9	5994.7	5722.0	5417.6	5036.0
36°	7106.3	7051.5	7002.0	6788.0	6573.3	6333.0	6174.7	5856.4	5584.5	5270.1	4871.4
37°	6856.8	6838.3	6778.0	6595.7	6399.5	6168.5	6015.5	5711.9	5430.7	5100.9	4687.6
38°	6640.5	6620.4	6564.8	6400.2	6221.8	6000.1	5847.9	5525.8	5257.7	4910.8	4486.7
39°	6421.1	6403.3	6360.8	6181.6	6026.3	5817.8	5665.6	5343.5	5069.2	4699.9	4265.0
40°	6214.1	6196.3	6157.7	5980.0	5826.3	5627.7	5473.2	5144.9	4886.9	4470.5	4010.9
42.5°	5686.4	5626.2	5576.7	5406.0	5268.5	5062.3	4895.4	4557.8	4196.3	3755.2	3294.0
45°	4830.5	4755.6	4696.9	4587.2	4437.3	4278.2	4052.6	3688.0	3314.1	2887.6	2259.6
47.5°	3015.9	2910.8	2843.6	2718.5	2550.1	2441.1	2381.6	2189.3	1934.4	1745.9	1268.5
50°	1796.1	1718.8	1662.4	1480.9	1352.7	1193.5	1042.1	762.5	611.8	462.7	383.2
51°	1291.6	1228.3	1195.1	1045.2	947.9	834.3	727.7	530.7	427.2	322.9	266.5
52°	747.8	699.1	697.6	601.0	563.2	516.8	441.9	349.9	299.0	234.1	200.1
53°	347.6	319.0	324.5	279.6	265.0	258.8	256.5	203.9	199.3	174.6	147.5
54°	156.0	142.9	133.6	129.0	125.1	126.7	129.8	117.4	112.8	109.7	100.4
55°	78.0	71.1	67.2	71.1	63.3	64.1	66.4	61.8	60.3	60.3	58.7
57.5°	17.0	16.2	16.2	17.0	16.2	16.2	17.0	17.0	17.0	16.2	16.2
60°	3.9	3.9	3.9	3.9	4.6	4.6	4.6	4.6	5.4	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.8	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°	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4
2.5°	263.4	257.2	258.0	253.4	250.3	248.0	250.3	243.3	241.8	234.8	231.0
5°	376.2	361.5	356.9	346.1	333.7	327.5	325.2	312.1	305.1	292.0	284.3
7.5°	621.9	575.5	548.5	516.8	478.2	458.9	434.2	410.2	383.9	359.2	342.2
10°	1352.7	1205.1	1094.6	981.1	827.4	750.1	651.2	578.6	506.0	448.8	413.3
11°	1792.2	1604.5	1455.4	1297.8	1093.9	983.4	838.9	720.0	594.1	506.8	449.6
12°	2268.1	2043.3	1859.4	1653.9	1404.4	1256.1	1075.3	917.7	742.4	608.0	509.9
13°	2747.8	2489.8	2277.4	2028.6	1745.1	1554.3	1341.1	1146.4	927.0	755.5	613.4
14°	3212.1	2928.6	2693.0	2404.1	2096.6	1866.4	1623.8	1390.5	1131.7	923.1	744.7
15°	3626.9	3327.2	3080.8	2768.7	2445.8	2179.3	1907.3	1636.2	1366.6	1100.8	888.4
17.5°	4340.7	4025.5	3783.0	3454.7	3135.6	2832.0	2520.7	2168.4	1835.5	1505.6	1254.6
20°	4880.7	4500.6	4210.2	3821.6	3457.8	3115.5	2786.4	2427.2	2098.1	1742.0	1456.2
21°	5018.2	4624.2	4327.6	3938.3	3545.8	3184.3	2838.2	2461.2	2119.8	1760.5	1476.3
22°	5134.9	4739.3	4421.8	4013.2	3612.3	3229.9	2869.9	2473.6	2118.2	1747.4	1461.6
23°	5223.7	4821.2	4498.3	4078.9	3664.0	3263.1	2884.6	2468.2	2099.7	1720.4	1427.6
24°	5307.9	4896.2	4559.4	4119.8	3694.1	3268.5	2876.8	2446.5	2068.8	1679.4	1382.0
25°	5362.0	4946.4	4592.6	4139.9	3695.7	3253.8	2851.3	2410.2	2021.7	1623.8	1322.5
26°	5400.6	4970.3	4604.2	4132.9	3683.3	3224.5	2811.2	2356.2	1956.8	1555.1	1253.8
27°	5406.8	4968.8	4589.5	4109.0	3642.4	3168.8	2746.3	2280.4	1873.3	1475.5	1178.8
28°	5383.6	4940.2	4552.4	4062.6	3585.2	3094.7	2662.1	2189.3	1780.6	1387.4	1096.2
29°	5342.7	4892.3	4489.1	3986.9	3495.6	2995.0	2560.9	2083.5	1676.3	1287.8	1005.0
30°	5277.8	4822.8	4407.9	3898.1	3392.9	2882.2	2443.4	1959.9	1548.9	1165.7	886.1
31°	5199.8	4733.2	4298.2	3776.0	3263.9	2749.4	2307.5	1795.3	1385.1	1012.0	743.9
32°	5098.6	4619.6	4172.3	3640.8	3119.4	2597.2	2121.3	1585.2	1190.4	833.5	590.2
33°	4986.6	4493.7	4022.5	3466.3	2958.7	2393.2	1877.2	1347.3	973.4	645.0	434.2
34°	4848.3	4343.1	3863.3	3288.6	2752.5	2128.3	1563.6	1090.8	749.3	461.2	295.1
35°	4688.4	4169.2	3670.2	3079.2	2475.1	1823.1	1271.6	867.5	536.1	307.5	214.8
36°	4502.2	3980.7	3465.5	2808.1	2159.2	1504.1	989.6	635.8	366.9	234.1	184.6
37°	4301.3	3769.8	3191.2	2525.3	1820.0	1189.7	736.2	447.3	277.3	207.8	159.9
38°	4075.8	3545.0	2880.7	2174.6	1479.4	899.2	526.1	333.7	238.7	180.8	136.7
39°	3826.2	3267.7	2525.3	1805.4	1151.0	648.1	400.9	274.2	206.3	156.0	118.2
40°	3549.7	2876.8	2138.3	1440.7	855.9	467.4	326.8	237.2	180.0	133.6	100.4
42.5°	2628.9	1908.1	1176.5	679.8	404.0	291.2	217.1	166.9	118.2	80.3	51.8
45°	1579.8	974.1	516.0	353.0	255.7	195.4	139.8	96.6	56.4	34.8	23.9
47.5°	706.1	407.1	288.9	227.9	165.3	116.6	68.0	40.9	25.5	17.8	13.1
50°	275.0	223.3	172.3	131.3	79.6	46.4	29.4	19.3	13.1	9.3	6.2
51°	212.4	173.0	134.4	96.6	53.3	32.4	21.6	14.7	10.0	7.0	4.6
52°	163.0	132.9	101.2	64.9	36.3	24.7	17.0	10.8	7.7	4.6	3.9
53°	119.7	102.0	70.3	45.6	26.3	18.5	13.1	8.5	5.4	3.9	3.1
54°	82.7	70.3	44.8	28.6	19.3	13.9	9.3	6.2	3.9	3.1	3.1
55°	50.2	44.0	29.4	20.9	13.9	10.0	7.0	4.6	3.1	2.3	2.3
57.5°	15.5	13.9	11.6	9.3	6.2	4.6	3.1	2.3	2.3	2.3	2.3
60°	5.4	5.4	4.6	3.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P208904

CATALOG NUMBER: LDSQA6A30927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.5	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	3.1
65°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	3.1
66°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	3.1
67.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	3.1
70°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.1	3.1
72.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.1	3.1
75°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1
77.5°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1
80°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	3.1	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	3.1	3.1	3.1
87.5°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1
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: P208904

CATALOG NUMBER: LDSQA6A30927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4
2.5°	227.9	224.0	220.9	217.8	214.0	211.7	209.4	204.7	202.4	197.0	193.1
5°	275.8	267.3	258.8	250.3	242.6	236.4	230.2	221.7	215.5	206.3	198.5
7.5°	323.7	306.7	291.2	278.1	264.2	254.2	242.6	230.2	219.4	207.0	195.4
10°	377.8	346.1	319.8	296.6	276.6	260.3	244.9	227.9	214.8	198.5	185.4
11°	400.9	363.1	330.6	302.8	279.6	261.1	243.3	224.8	210.1	193.9	179.2
12°	434.9	379.3	341.4	309.0	281.2	260.3	241.0	220.9	205.5	188.5	173.8
13°	492.1	408.7	352.3	312.9	283.5	258.8	237.2	215.5	199.3	181.5	166.1
14°	587.1	460.4	374.7	319.8	283.5	257.2	232.5	209.4	191.6	173.8	158.4
15°	703.0	544.6	417.9	334.5	282.7	254.2	227.9	203.2	183.9	165.3	148.3
17.5°	999.6	788.0	603.3	443.4	324.5	248.7	210.9	182.3	161.5	140.6	125.1
20°	1177.3	936.3	729.2	544.6	391.7	272.7	196.2	159.1	136.7	118.2	103.5
21°	1198.9	955.6	743.2	557.0	399.4	275.8	191.6	149.1	126.7	108.2	95.0
22°	1192.0	950.2	737.0	550.0	391.7	268.8	183.1	139.8	117.4	99.7	86.5
23°	1158.0	920.1	707.6	522.2	370.8	252.6	170.7	129.8	108.2	91.2	78.8
24°	1108.6	869.8	662.8	481.3	333.7	224.0	153.0	119.0	98.9	83.4	73.4
25°	1049.8	812.7	606.4	434.9	289.7	192.4	134.4	108.2	89.6	75.7	67.2
26°	984.2	750.9	547.7	382.4	243.3	161.5	119.0	98.1	80.3	68.0	61.0
27°	913.9	683.7	485.9	325.2	202.4	137.5	107.4	87.3	72.6	62.6	55.6
28°	838.9	616.5	418.7	271.2	167.6	120.5	96.6	78.0	64.9	56.4	51.0
29°	754.7	537.7	353.8	221.7	138.3	106.6	85.7	69.5	58.7	51.8	47.1
30°	648.9	448.8	283.5	178.4	119.0	95.0	76.5	62.6	53.3	47.9	43.3
31°	528.4	349.2	215.5	141.4	103.5	84.2	68.0	56.4	48.7	44.0	39.4
32°	399.4	254.2	160.7	117.4	91.2	74.2	60.3	51.0	44.8	39.4	36.3
33°	281.2	181.5	129.8	102.0	79.6	64.9	54.1	46.4	40.9	35.5	32.4
34°	193.1	146.0	112.8	88.1	69.5	57.9	48.7	41.7	36.3	31.7	28.6
35°	163.0	127.5	97.3	75.7	60.3	51.0	43.3	37.1	31.7	27.8	24.7
36°	140.6	110.5	83.4	66.4	52.5	44.0	37.9	31.7	27.0	23.2	21.6
37°	121.3	95.0	71.8	57.2	44.8	37.1	30.9	26.3	23.2	20.1	18.5
38°	105.1	80.3	61.0	48.7	37.1	30.1	25.5	21.6	19.3	17.0	15.5
39°	89.6	67.2	49.4	38.6	29.4	24.7	20.9	18.5	16.2	14.7	13.1
40°	74.2	53.3	37.9	30.1	23.2	20.1	17.0	15.5	13.1	12.4	11.6
42.5°	34.8	25.5	20.1	17.0	13.9	12.4	10.8	9.3	8.5	7.7	7.7
45°	17.8	14.7	10.8	9.3	7.7	7.0	6.2	5.4	5.4	5.4	5.4
47.5°	9.3	7.0	5.4	4.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9
50°	4.6	3.1	3.1	3.1	2.3	3.1	3.1	3.1	3.1	3.9	3.9
51°	3.1	3.1	2.3	2.3	2.3	3.1	3.1	3.1	3.1	3.9	3.9
52°	3.1	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.1	3.9	3.9
53°	2.3	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.9	3.9
54°	2.3	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.9	3.9
55°	2.3	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.1	3.9
57.5°	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.1	3.1	3.9
60°	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.1	3.1	3.1	3.9



TEST NUMBER: P208904

CATALOG NUMBER: LDSQA6A30927D010TE 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	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9
64°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9
65°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9
66°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9	3.9
67.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9	3.9
70°	3.1	3.1	3.1	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9
72.5°	3.1	3.1	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9	3.9
75°	3.1	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9
77.5°	3.1	3.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
80°	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
82.5°	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
85°	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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: P208904

CATALOG NUMBER: LDSQA6A30927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4
2.5°	193.1	186.2	186.9	183.1	153.0	136.7	128.2	122.1
5°	194.7	184.6	182.3	176.1	127.5	108.9	101.2	97.3
7.5°	189.3	176.1	171.5	163.0	108.2	91.2	85.0	81.9
10°	176.9	162.2	154.5	144.5	92.7	78.8	72.6	70.3
11°	170.7	155.3	147.5	137.5	87.3	74.2	68.8	66.4
12°	163.8	147.5	140.6	129.8	81.9	69.5	64.9	62.6
13°	156.0	139.8	132.9	122.8	76.5	65.7	61.8	59.5
14°	146.8	132.1	125.1	115.9	71.8	61.8	58.7	57.2
15°	138.3	124.4	116.6	107.4	68.0	58.7	56.4	54.8
17.5°	115.9	103.5	97.3	89.6	57.2	50.2	50.2	49.4
20°	95.0	84.2	79.6	73.4	47.9	44.0	44.8	44.8
21°	87.3	78.0	73.4	68.0	45.6	41.7	43.3	43.3
22°	79.6	71.1	68.0	62.6	42.5	39.4	41.7	41.7
23°	73.4	64.9	62.6	57.9	39.4	37.9	40.2	40.2
24°	67.2	60.3	57.2	53.3	37.1	35.5	38.6	39.4
25°	61.8	54.8	52.5	49.4	34.8	34.0	37.1	37.9
26°	56.4	50.2	48.7	45.6	32.4	32.4	35.5	37.1
27°	51.8	47.1	44.8	41.7	30.1	30.9	34.8	35.5
28°	47.9	43.3	40.9	38.6	27.8	29.4	33.2	34.8
29°	44.0	39.4	37.9	35.5	26.3	27.8	31.7	34.0
30°	40.2	36.3	34.8	32.4	24.7	26.3	30.9	33.2
31°	37.1	33.2	31.7	29.4	23.2	25.5	29.4	31.7
32°	33.2	30.1	28.6	27.0	21.6	23.9	28.6	30.9
33°	30.1	26.3	25.5	23.9	20.9	23.2	27.8	29.4
34°	26.3	23.2	22.4	21.6	19.3	21.6	26.3	28.6
35°	22.4	20.9	20.1	19.3	17.8	20.9	25.5	27.8
36°	20.1	17.8	17.8	17.0	17.0	20.1	24.7	27.0
37°	17.0	16.2	15.5	15.5	15.5	18.5	23.2	26.3
38°	14.7	13.9	13.9	13.9	14.7	17.8	22.4	25.5
39°	12.4	12.4	12.4	12.4	13.9	17.0	21.6	24.7
40°	10.8	10.8	10.8	10.8	13.1	16.2	20.9	23.9
42.5°	7.7	7.7	7.7	8.5	10.8	14.7	18.5	22.4
45°	6.2	6.2	6.2	7.0	10.0	13.1	17.0	20.1
47.5°	4.6	4.6	5.4	6.2	8.5	11.6	15.5	18.5
50°	3.9	4.6	4.6	5.4	7.7	10.8	13.1	16.2
51°	3.9	3.9	4.6	4.6	7.0	10.0	12.4	15.5
52°	3.9	3.9	4.6	4.6	7.0	9.3	12.4	13.9
53°	3.9	3.9	4.6	4.6	7.0	9.3	11.6	13.1
54°	3.9	3.9	4.6	4.6	6.2	8.5	10.8	12.4
55°	3.9	3.9	4.6	4.6	6.2	8.5	10.8	10.8
57.5°	3.9	3.9	3.9	4.6	5.4	7.7	9.3	9.3
60°	3.9	3.9	3.9	3.9	5.4	7.0	8.5	6.2



TEST NUMBER: P208904

CATALOG NUMBER: LDSQA6A30927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.9	3.9	3.9	3.9	4.6	6.2	7.0	4.6
64°	3.9	3.9	3.9	4.6	4.6	6.2	6.2	4.6
65°	3.9	3.9	3.9	3.9	4.6	5.4	6.2	4.6
66°	3.9	3.9	3.9	3.9	4.6	5.4	5.4	4.6
67.5°	3.9	3.9	3.9	3.9	4.6	5.4	5.4	3.9
70°	3.9	3.9	3.9	3.9	4.6	4.6	4.6	3.9
72.5°	3.9	3.9	3.9	3.9	3.9	4.6	3.9	3.1
75°	3.9	3.9	4.6	4.6	3.9	3.9	3.1	3.1
77.5°	3.9	3.9	4.6	4.6	3.9	3.9	3.1	2.3
80°	3.9	3.9	4.6	4.6	3.9	3.1	2.3	2.3
82.5°	3.9	3.9	4.6	4.6	3.9	3.1	2.3	1.5
85°	3.9	3.9	4.6	4.6	3.9	3.1	1.5	1.5
87.5°	3.9	3.9	4.6	4.6	3.9	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	3.1	3.1	3.1	3.9	3.9
62°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3





61°	3.9	3.9	3.1	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	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9
62°	2.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9





61°	3.9	3.9	3.9	3.9	5.4	7.0	7.7	5.4
62°	3.9	3.9	3.9	3.9	5.4	7.0	7.0	5.4



(END OF REPORT)