

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: P208888

Luminaire Tested: **LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208888
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: LDSQA6A15927D010TE 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: 1385.5 lumens
Efficiency: N/A
Efficacy: 63.6 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

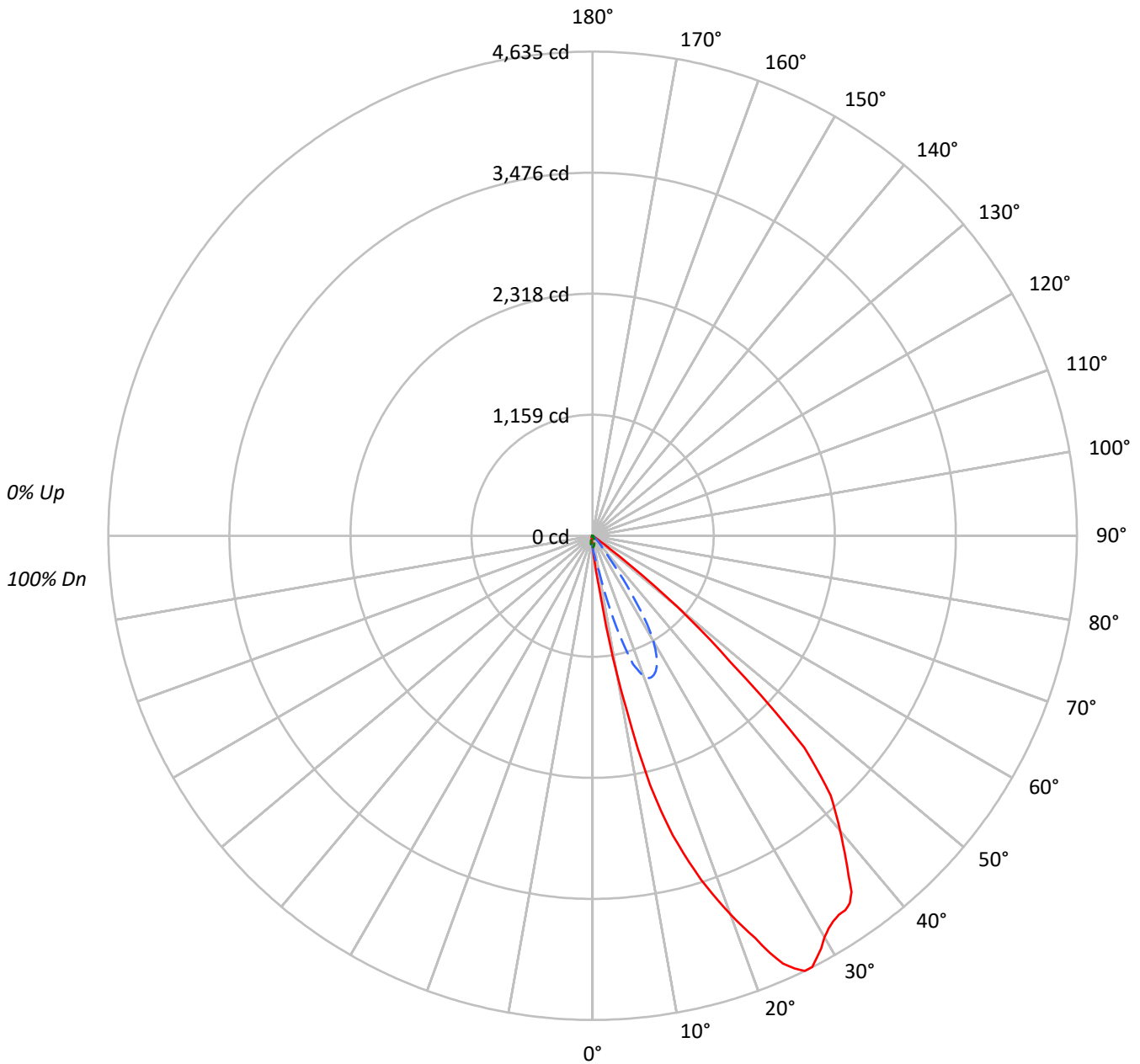
Input Watts (W): 21.79
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

Luminous Intensity Polar Plot





TEST NUMBER: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

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°	4736	4736	4736
5°	11609	4517	2494
10°	58829	3747	1823
15°	132342	2839	1449
20°	176755	1993	1219
25°	217167	1392	1069
30°	220547	955	979
35°	225651	604	867
40°	207212	360	798
45°	174504	250	725
50°	71377	214	643
55°	3476	203	480
60°	198	198	319
65°	51	234	275
70°	63	290	290
75°	0	449	299
80°	0	669	347
85°	0	1334	445



TEST NUMBER: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	1.2
10°-20°	183.1	13.2
20°-30°	421.8	30.4
30°-40°	463.8	33.5
40°-50°	272.0	19.6
50°-60°	22.2	1.6
60°-70°	2.3	0.2
70°-80°	1.9	0.1
80°-90°	1.5	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°	621.8	44.9
0°-40°	1085.6	78.4
0°-60°	1379.8	99.6
0°-90°	1385.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1385.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	110	110	110	110	110	
5°	269	185	104	65	58	57
15°	2969	971	64	35	32	838
25°	4571	1430	29	20	22	2048
35°	4293	515	12	12	16	2615
45°	2866	57	4	8	12	1985
55°	46	3	3	5	6	185
65°	0	1	2	3	3	1
75°	0	1	3	2	2	0
85°	0	1	3	2	1	0
90°	0	0	0	0	0	



TEST NUMBER: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2.5°	169.6	165.9	165.0	164.5	161.8	163.2	164.1	161.8	161.8	161.8	156.7
5°	268.6	258.5	257.1	254.8	248.0	248.0	248.9	242.9	240.6	232.4	225.0
7.5°	550.9	512.9	530.7	520.7	492.7	483.5	481.7	456.5	440.9	409.7	381.3
10°	1345.6	1260.4	1286.5	1259.0	1193.9	1152.7	1152.7	1082.1	1029.4	936.8	843.3
11°	1681.1	1628.0	1654.5	1622.5	1545.9	1495.0	1493.7	1410.7	1346.1	1232.0	1115.6
12°	2083.1	2001.5	1984.5	1992.3	1906.6	1848.4	1841.5	1750.3	1677.5	1545.5	1412.6
13°	2451.6	2396.6	2338.8	2342.5	2252.7	2193.1	2178.4	2082.6	2005.6	1862.6	1715.5
14°	2725.2	2694.5	2644.5	2639.0	2557.9	2497.9	2480.0	2382.4	2301.7	2157.8	2003.3
15°	2969.0	2940.1	2892.9	2880.6	2802.6	2741.7	2721.1	2619.3	2536.8	2401.2	2251.7
17.5°	3452.5	3433.8	3415.4	3365.9	3306.8	3217.9	3189.0	3070.8	2963.5	2841.1	2678.0
20°	3857.7	3832.5	3794.0	3753.7	3679.0	3582.7	3562.5	3420.0	3307.7	3185.8	2995.1
21°	4005.7	3981.0	3939.7	3893.5	3808.7	3706.9	3679.0	3528.6	3410.4	3283.9	3090.0
22°	4153.8	4130.4	4088.2	4029.6	3935.6	3821.5	3779.8	3621.2	3496.5	3357.2	3162.4
23°	4337.1	4282.1	4236.3	4164.3	4053.9	3924.6	3868.2	3697.3	3566.2	3420.9	3222.5
24°	4482.4	4426.5	4372.9	4285.3	4160.7	4017.2	3945.2	3763.3	3629.5	3472.3	3272.0
25°	4571.3	4542.4	4486.1	4386.6	4251.4	4094.7	4010.3	3817.4	3671.2	3515.3	3312.8
26°	4635.0	4604.8	4556.2	4452.1	4322.9	4163.4	4060.7	3862.7	3711.5	3543.3	3339.8
27°	4632.7	4614.4	4573.6	4481.9	4373.3	4211.1	4102.9	3893.0	3732.6	3557.5	3350.3
28°	4571.3	4571.3	4553.0	4478.7	4385.2	4232.2	4118.0	3898.5	3734.9	3554.3	3343.5
29°	4515.4	4501.2	4504.9	4446.6	4366.9	4217.5	4107.0	3882.5	3717.9	3533.7	3322.8
30°	4436.1	4432.0	4448.0	4401.3	4335.3	4186.3	4071.7	3849.0	3684.5	3499.8	3289.8
31°	4386.6	4375.6	4391.2	4352.2	4279.8	4127.2	4018.1	3800.9	3640.5	3456.2	3249.5
32°	4349.5	4336.2	4354.5	4304.1	4225.3	4074.5	3958.1	3748.2	3583.2	3408.1	3198.2
33°	4327.0	4322.9	4329.8	4261.5	4160.2	4003.0	3897.6	3691.8	3528.2	3354.0	3141.8
34°	4322.9	4314.2	4302.3	4204.2	4094.7	3935.2	3829.3	3629.0	3469.0	3290.3	3073.1
35°	4293.1	4273.9	4246.8	4124.9	4002.1	3849.5	3749.5	3556.6	3394.8	3214.2	2987.8
36°	4216.1	4183.6	4154.2	4027.3	3899.9	3757.3	3663.4	3474.5	3313.2	3126.7	2890.2
37°	4068.1	4057.1	4021.3	3913.2	3796.7	3659.7	3569.0	3388.8	3222.0	3026.3	2781.1
38°	3939.7	3927.8	3894.8	3797.2	3691.3	3559.8	3469.5	3278.4	3119.3	2913.6	2661.9
39°	3809.6	3799.0	3773.8	3667.5	3575.4	3451.6	3361.3	3170.2	3007.5	2788.4	2530.4
40°	3686.7	3676.2	3653.3	3547.9	3456.7	3338.9	3247.2	3052.4	2899.3	2652.3	2379.6
42.5°	3373.7	3338.0	3308.6	3207.3	3125.8	3003.4	2904.4	2704.1	2489.6	2227.9	1954.3
45°	2865.9	2821.4	2786.6	2721.5	2632.6	2538.2	2404.4	2188.0	1966.2	1713.2	1340.6
47.5°	1789.3	1727.0	1687.1	1612.8	1512.9	1448.3	1413.0	1298.9	1147.6	1035.8	752.6
50°	1065.6	1019.8	986.3	878.6	802.5	708.1	618.3	452.4	363.0	274.5	227.3
51°	766.3	728.7	709.0	620.1	562.4	495.0	431.7	314.9	253.5	191.6	158.1
52°	443.7	414.8	413.9	356.6	334.1	306.6	262.2	207.6	177.4	138.9	118.7
53°	206.2	189.3	192.5	165.9	157.2	153.5	152.2	121.0	118.2	103.6	87.5
54°	92.6	84.8	79.3	76.5	74.2	75.2	77.0	69.7	66.9	65.1	59.6
55°	46.3	42.2	39.9	42.2	37.6	38.0	39.4	36.7	35.7	35.7	34.8
57.5°	10.1	9.6	9.6	10.1	9.6	9.6	10.1	10.1	10.1	9.6	9.6
60°	2.3	2.3	2.3	2.3	2.7	2.7	2.7	2.7	3.2	3.7	3.7



TEST NUMBER: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

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	0.9	0.9	0.9
64°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
66°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.9
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.9
80°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.9
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: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2.5°	156.3	152.6	153.1	150.3	148.5	147.1	148.5	144.4	143.5	139.3	137.0
5°	223.2	214.5	211.7	205.3	198.0	194.3	193.0	185.2	181.0	173.2	168.7
7.5°	368.9	341.5	325.4	306.6	283.7	272.2	257.6	243.4	227.8	213.1	203.0
10°	802.5	715.0	649.4	582.1	490.9	445.0	386.4	343.3	300.2	266.3	245.2
11°	1063.3	951.9	863.5	770.0	649.0	583.4	497.7	427.2	352.5	300.7	266.7
12°	1345.6	1212.3	1103.2	981.3	833.2	745.2	638.0	544.5	440.4	360.7	302.5
13°	1630.3	1477.2	1351.1	1203.6	1035.4	922.1	795.6	680.2	550.0	448.2	363.9
14°	1905.7	1737.5	1597.7	1426.3	1243.9	1107.3	963.4	825.0	671.4	547.7	441.8
15°	2151.8	1974.0	1827.8	1642.6	1451.0	1292.9	1131.6	970.7	810.8	653.1	527.1
17.5°	2575.3	2388.3	2244.4	2049.6	1860.3	1680.2	1495.5	1286.5	1089.0	893.3	744.3
20°	2895.7	2670.2	2497.9	2267.3	2051.5	1848.4	1653.2	1440.0	1244.8	1033.5	863.9
21°	2977.3	2743.5	2567.5	2336.5	2103.7	1889.2	1683.9	1460.2	1257.6	1044.5	875.9
22°	3046.5	2811.8	2623.4	2381.0	2143.1	1916.2	1702.7	1467.5	1256.7	1036.7	867.1
23°	3099.2	2860.4	2668.8	2419.9	2173.8	1936.0	1711.4	1464.3	1245.7	1020.7	847.0
24°	3149.1	2904.8	2705.0	2444.2	2191.7	1939.2	1706.8	1451.5	1227.4	996.4	819.9
25°	3181.2	2934.6	2724.7	2456.2	2192.6	1930.5	1691.7	1430.0	1199.4	963.4	784.6
26°	3204.1	2948.8	2731.6	2452.0	2185.3	1913.0	1667.8	1397.9	1160.9	922.6	743.9
27°	3207.8	2947.9	2722.9	2437.8	2161.0	1880.0	1629.3	1353.0	1111.4	875.4	699.4
28°	3194.1	2931.0	2700.9	2410.3	2127.1	1836.0	1579.4	1298.9	1056.4	823.1	650.4
29°	3169.8	2902.6	2663.3	2365.4	2073.9	1776.9	1519.3	1236.1	994.6	764.0	596.3
30°	3131.3	2861.3	2615.2	2312.7	2013.0	1710.0	1449.7	1162.8	918.9	691.6	525.7
31°	3085.0	2808.1	2550.1	2240.3	1936.4	1631.2	1369.0	1065.1	821.8	600.4	441.4
32°	3024.9	2740.8	2475.4	2160.1	1850.7	1540.9	1258.6	940.5	706.3	494.5	350.2
33°	2958.5	2666.1	2386.5	2056.5	1755.4	1419.9	1113.7	799.3	577.5	382.7	257.6
34°	2876.4	2576.7	2292.1	1951.1	1633.0	1262.7	927.6	647.2	444.6	273.6	175.1
35°	2781.6	2473.6	2177.5	1826.9	1468.5	1081.6	754.4	514.7	318.1	182.4	127.4
36°	2671.1	2361.7	2056.0	1666.0	1281.0	892.4	587.1	377.2	217.7	138.9	109.5
37°	2551.9	2236.6	1893.3	1498.3	1079.8	705.8	436.8	265.4	164.5	123.3	94.9
38°	2418.1	2103.2	1709.1	1290.2	877.7	533.5	312.1	198.0	141.6	107.2	81.1
39°	2270.1	1938.7	1498.3	1071.1	682.9	384.5	237.9	162.7	122.4	92.6	70.1
40°	2106.0	1706.8	1268.6	854.8	507.8	277.3	193.9	140.7	106.8	79.3	59.6
42.5°	1559.7	1132.1	698.0	403.3	239.7	172.8	128.8	99.0	70.1	47.7	30.7
45°	937.3	577.9	306.2	209.5	151.7	116.0	83.0	57.3	33.5	20.6	14.2
47.5°	418.9	241.5	171.4	135.2	98.1	69.2	40.3	24.3	15.1	10.5	7.8
50°	163.2	132.5	102.2	77.9	47.2	27.5	17.4	11.5	7.8	5.5	3.7
51°	126.0	102.7	79.7	57.3	31.6	19.2	12.8	8.7	6.0	4.1	2.7
52°	96.7	78.8	60.0	38.5	21.5	14.7	10.1	6.4	4.6	2.7	2.3
53°	71.0	60.5	41.7	27.0	15.6	11.0	7.8	5.0	3.2	2.3	1.8
54°	49.0	41.7	26.6	17.0	11.5	8.2	5.5	3.7	2.3	1.8	1.8
55°	29.8	26.1	17.4	12.4	8.2	6.0	4.1	2.7	1.8	1.4	1.4
57.5°	9.2	8.2	6.9	5.5	3.7	2.7	1.8	1.4	1.4	1.4	1.4
60°	3.2	3.2	2.7	2.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4



TEST NUMBER: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
64°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.8
65°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.8
66°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.8
67.5°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.8
70°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.8	1.8
72.5°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.8	1.8
75°	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8
77.5°	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.8	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.8	1.8	1.8
87.5°	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8
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: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2.5°	135.2	132.9	131.1	129.2	127.0	125.6	124.2	121.5	120.1	116.9	114.6
5°	163.6	158.6	153.5	148.5	143.9	140.2	136.6	131.5	127.9	122.4	117.8
7.5°	192.0	182.0	172.8	165.0	156.7	150.8	143.9	136.6	130.2	122.8	116.0
10°	224.1	205.3	189.7	176.0	164.1	154.5	145.3	135.2	127.4	117.8	110.0
11°	237.9	215.4	196.2	179.7	165.9	154.9	144.4	133.4	124.7	115.0	106.3
12°	258.0	225.0	202.6	183.3	166.8	154.5	143.0	131.1	121.9	111.8	103.1
13°	292.0	242.5	209.0	185.6	168.2	153.5	140.7	127.9	118.2	107.7	98.5
14°	348.3	273.2	222.3	189.7	168.2	152.6	138.0	124.2	113.7	103.1	94.0
15°	417.1	323.1	248.0	198.5	167.7	150.8	135.2	120.5	109.1	98.1	88.0
17.5°	593.1	467.5	358.0	263.1	192.5	147.6	125.1	108.2	95.8	83.4	74.2
20°	698.5	555.5	432.7	323.1	232.4	161.8	116.4	94.4	81.1	70.1	61.4
21°	711.3	566.9	440.9	330.5	237.0	163.6	113.7	88.5	75.2	64.2	56.4
22°	707.2	563.7	437.2	326.3	232.4	159.5	108.6	83.0	69.7	59.1	51.3
23°	687.0	545.9	419.8	309.8	220.0	149.9	101.3	77.0	64.2	54.1	46.7
24°	657.7	516.1	393.2	285.5	198.0	132.9	90.7	70.6	58.7	49.5	43.5
25°	622.9	482.2	359.8	258.0	171.9	114.1	79.7	64.2	53.2	44.9	39.9
26°	583.9	445.5	325.0	226.9	144.4	95.8	70.6	58.2	47.7	40.3	36.2
27°	542.2	405.6	288.3	193.0	120.1	81.6	63.7	51.8	43.1	37.1	33.0
28°	497.7	365.7	248.4	160.9	99.5	71.5	57.3	46.3	38.5	33.5	30.2
29°	447.8	319.0	209.9	131.5	82.0	63.2	50.9	41.2	34.8	30.7	28.0
30°	385.0	266.3	168.2	105.9	70.6	56.4	45.4	37.1	31.6	28.4	25.7
31°	313.5	207.2	127.9	83.9	61.4	50.0	40.3	33.5	28.9	26.1	23.4
32°	237.0	150.8	95.3	69.7	54.1	44.0	35.7	30.2	26.6	23.4	21.5
33°	166.8	107.7	77.0	60.5	47.2	38.5	32.1	27.5	24.3	21.1	19.2
34°	114.6	86.6	66.9	52.2	41.2	34.4	28.9	24.7	21.5	18.8	17.0
35°	96.7	75.6	57.7	44.9	35.7	30.2	25.7	22.0	18.8	16.5	14.7
36°	83.4	65.5	49.5	39.4	31.2	26.1	22.5	18.8	16.0	13.7	12.8
37°	72.0	56.4	42.6	33.9	26.6	22.0	18.3	15.6	13.7	11.9	11.0
38°	62.3	47.7	36.2	28.9	22.0	17.9	15.1	12.8	11.5	10.1	9.2
39°	53.2	39.9	29.3	22.9	17.4	14.7	12.4	11.0	9.6	8.7	7.8
40°	44.0	31.6	22.5	17.9	13.7	11.9	10.1	9.2	7.8	7.3	6.9
42.5°	20.6	15.1	11.9	10.1	8.2	7.3	6.4	5.5	5.0	4.6	4.6
45°	10.5	8.7	6.4	5.5	4.6	4.1	3.7	3.2	3.2	3.2	3.2
47.5°	5.5	4.1	3.2	2.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
50°	2.7	1.8	1.8	1.8	1.4	1.8	1.8	1.8	1.8	2.3	2.3
51°	1.8	1.8	1.4	1.4	1.4	1.8	1.8	1.8	1.8	2.3	2.3
52°	1.8	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8	2.3	2.3
53°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8	2.3	2.3
54°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8	2.3	2.3
55°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8	2.3
57.5°	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8	1.8	2.3
60°	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	2.3



TEST NUMBER: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
64°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
66°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.3
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.3
70°	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3
72.5°	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3
75°	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2.5°	114.6	110.5	110.9	108.6	90.7	81.1	76.1	72.4
5°	115.5	109.5	108.2	104.5	75.6	64.6	60.0	57.7
7.5°	112.3	104.5	101.7	96.7	64.2	54.1	50.4	48.6
10°	105.0	96.2	91.7	85.7	55.0	46.7	43.1	41.7
11°	101.3	92.1	87.5	81.6	51.8	44.0	40.8	39.4
12°	97.2	87.5	83.4	77.0	48.6	41.2	38.5	37.1
13°	92.6	83.0	78.8	72.9	45.4	39.0	36.7	35.3
14°	87.1	78.4	74.2	68.7	42.6	36.7	34.8	33.9
15°	82.0	73.8	69.2	63.7	40.3	34.8	33.5	32.5
17.5°	68.7	61.4	57.7	53.2	33.9	29.8	29.8	29.3
20°	56.4	50.0	47.2	43.5	28.4	26.1	26.6	26.6
21°	51.8	46.3	43.5	40.3	27.0	24.7	25.7	25.7
22°	47.2	42.2	40.3	37.1	25.2	23.4	24.7	24.7
23°	43.5	38.5	37.1	34.4	23.4	22.5	23.8	23.8
24°	39.9	35.7	33.9	31.6	22.0	21.1	22.9	23.4
25°	36.7	32.5	31.2	29.3	20.6	20.2	22.0	22.5
26°	33.5	29.8	28.9	27.0	19.2	19.2	21.1	22.0
27°	30.7	28.0	26.6	24.7	17.9	18.3	20.6	21.1
28°	28.4	25.7	24.3	22.9	16.5	17.4	19.7	20.6
29°	26.1	23.4	22.5	21.1	15.6	16.5	18.8	20.2
30°	23.8	21.5	20.6	19.2	14.7	15.6	18.3	19.7
31°	22.0	19.7	18.8	17.4	13.7	15.1	17.4	18.8
32°	19.7	17.9	17.0	16.0	12.8	14.2	17.0	18.3
33°	17.9	15.6	15.1	14.2	12.4	13.7	16.5	17.4
34°	15.6	13.7	13.3	12.8	11.5	12.8	15.6	17.0
35°	13.3	12.4	11.9	11.5	10.5	12.4	15.1	16.5
36°	11.9	10.5	10.5	10.1	10.1	11.9	14.7	16.0
37°	10.1	9.6	9.2	9.2	9.2	11.0	13.7	15.6
38°	8.7	8.2	8.2	8.2	8.7	10.5	13.3	15.1
39°	7.3	7.3	7.3	7.3	8.2	10.1	12.8	14.7
40°	6.4	6.4	6.4	6.4	7.8	9.6	12.4	14.2
42.5°	4.6	4.6	4.6	5.0	6.4	8.7	11.0	13.3
45°	3.7	3.7	3.7	4.1	6.0	7.8	10.1	11.9
47.5°	2.7	2.7	3.2	3.7	5.0	6.9	9.2	11.0
50°	2.3	2.7	2.7	3.2	4.6	6.4	7.8	9.6
51°	2.3	2.3	2.7	2.7	4.1	6.0	7.3	9.2
52°	2.3	2.3	2.7	2.7	4.1	5.5	7.3	8.2
53°	2.3	2.3	2.7	2.7	4.1	5.5	6.9	7.8
54°	2.3	2.3	2.7	2.7	3.7	5.0	6.4	7.3
55°	2.3	2.3	2.7	2.7	3.7	5.0	6.4	6.4
57.5°	2.3	2.3	2.3	2.7	3.2	4.6	5.5	5.5
60°	2.3	2.3	2.3	2.3	3.2	4.1	5.0	3.7



TEST NUMBER: P208888

CATALOG NUMBER: LDSQA6A15927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.3	2.3	2.3	2.3	2.7	3.7	4.1	2.7
64°	2.3	2.3	2.3	2.7	2.7	3.7	3.7	2.7
65°	2.3	2.3	2.3	2.3	2.7	3.2	3.7	2.7
66°	2.3	2.3	2.3	2.3	2.7	3.2	3.2	2.7
67.5°	2.3	2.3	2.3	2.3	2.7	3.2	3.2	2.3
70°	2.3	2.3	2.3	2.3	2.7	2.7	2.7	2.3
72.5°	2.3	2.3	2.3	2.3	2.3	2.7	2.3	1.8
75°	2.3	2.3	2.7	2.7	2.3	2.3	1.8	1.8
77.5°	2.3	2.3	2.7	2.7	2.3	2.3	1.8	1.4
80°	2.3	2.3	2.7	2.7	2.3	1.8	1.4	1.4
82.5°	2.3	2.3	2.7	2.7	2.3	1.8	1.4	0.9
85°	2.3	2.3	2.7	2.7	2.3	1.8	0.9	0.9
87.5°	2.3	2.3	2.7	2.7	2.3	1.4	0.9	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8	2.3	2.3
62°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4





61°	2.3	2.3	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
62°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4





61°	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
62°	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3





61°	2.3	2.3	2.3	2.3	3.2	4.1	4.6	3.2
62°	2.3	2.3	2.3	2.3	3.2	4.1	4.1	3.2



(END OF REPORT)