

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: P208887

Luminaire Tested: **LDSQA6A15840D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208887
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: LDSQA6A15840D010TE 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: 1880.8 lumens
Efficiency: N/A
Efficacy: 86.3 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

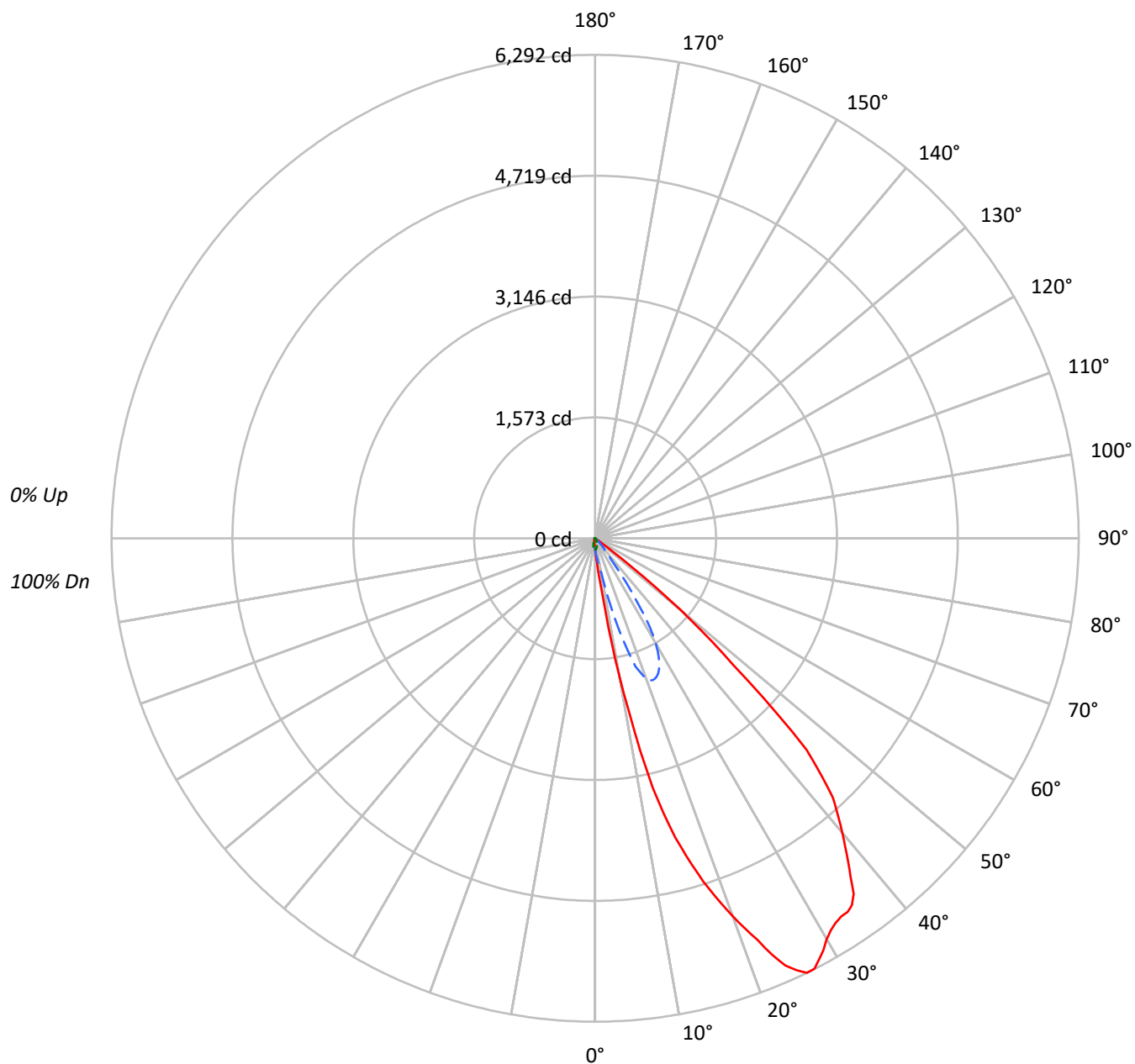
Input Watts (W): 21.79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	92	83	76	71	90	82	76	71	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64
7	75	64	56	51	73	63	56	51	61	55	51		60	54	50		59
8	70	58	51	46	68	58	51	46	56	50	46		55	50	46		54
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50
10	61	49	42	38	60	49	42	38	48	42	38		47	42	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	6428	6428	6428
5°	15758	6133	3388
10°	79863	5085	2475
15°	179653	3856	1970
20°	239944	2708	1654
25°	294807	1891	1449
30°	299392	1298	1332
35°	306322	820	1177
40°	281296	489	1085
45°	236892	341	986
50°	96897	295	877
55°	4714	278	653
60°	267	267	431
65°	61	316	377
70°	76	390	390
75°	0	616	416
80°	0	917	471
85°	0	1828	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	1.2
10°-20°	248.6	13.2
20°-30°	572.6	30.4
30°-40°	629.6	33.5
40°-50°	369.3	19.6
50°-60°	30.1	1.6
60°-70°	3.1	0.2
70°-80°	2.6	0.1
80°-90°	2.0	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°	844.1	44.9
0°-40°	1473.7	78.4
0°-60°	1873.1	99.6
0°-90°	1880.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1880.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	149	149	149	149	149	
5°	365	251	142	88	78	77
15°	4030	1318	86	47	44	1138
25°	6206	1941	40	27	30	2781
35°	5828	699	16	17	22	3550
45°	3890	78	6	11	16	2694
55°	63	4	4	7	9	251
65°	1	2	3	4	4	1
75°	0	2	4	3	2	0
85°	0	2	4	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°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	230.2	225.2	224.0	223.4	219.6	221.5	222.7	219.6	219.6	219.6	212.8
5°	364.6	350.9	349.0	345.9	336.6	336.6	337.8	329.8	326.6	315.4	305.5
7.5°	747.9	696.2	720.5	706.8	668.8	656.4	653.9	619.7	598.5	556.2	517.6
10°	1826.7	1711.0	1746.4	1709.1	1620.8	1564.8	1564.8	1469.0	1397.4	1271.7	1144.8
11°	2282.1	2210.0	2246.0	2202.5	2098.6	2029.5	2027.7	1915.1	1827.3	1672.4	1514.4
12°	2827.8	2717.0	2694.0	2704.6	2588.2	2509.2	2499.9	2376.1	2277.2	2098.0	1917.5
13°	3328.0	3253.3	3175.0	3179.9	3058.0	2977.1	2957.2	2827.2	2722.6	2528.5	2328.8
14°	3699.4	3657.8	3589.9	3582.5	3472.4	3390.8	3366.6	3234.1	3124.6	2929.2	2719.5
15°	4030.4	3991.2	3927.2	3910.4	3804.6	3721.8	3693.8	3555.7	3443.7	3259.6	3056.7
17.5°	4686.8	4661.3	4636.4	4569.2	4489.0	4368.3	4329.1	4168.6	4023.0	3856.9	3635.4
20°	5236.8	5202.6	5150.4	5095.6	4994.2	4863.5	4836.2	4642.7	4490.2	4324.7	4065.9
21°	5437.8	5404.2	5348.2	5285.4	5170.3	5032.1	4994.2	4790.1	4629.6	4457.9	4194.7
22°	5638.8	5607.0	5549.8	5470.2	5342.6	5187.7	5131.1	4915.8	4746.6	4557.4	4293.0
23°	5887.6	5813.0	5750.8	5653.1	5503.1	5327.7	5251.1	5019.1	4841.1	4643.9	4374.5
24°	6084.9	6009.0	5936.2	5817.3	5648.1	5453.4	5355.7	5108.7	4927.0	4713.6	4441.7
25°	6205.6	6166.4	6089.8	5954.8	5771.3	5558.5	5444.0	5182.1	4983.6	4772.1	4497.1
26°	6292.0	6251.0	6185.0	6043.8	5868.3	5651.8	5512.5	5243.7	5038.4	4810.0	4533.8
27°	6288.9	6264.0	6208.7	6084.2	5936.8	5716.5	5569.7	5284.7	5067.0	4829.3	4548.1
28°	6205.6	6205.6	6180.7	6079.9	5953.0	5745.2	5590.2	5292.2	5070.1	4825.0	4538.8
29°	6129.7	6110.4	6115.3	6036.3	5928.1	5725.2	5575.3	5270.4	5047.1	4797.0	4510.8
30°	6022.0	6016.4	6038.2	5974.7	5885.1	5682.9	5527.4	5225.0	5001.7	4750.9	4466.0
31°	5954.8	5939.9	5961.0	5908.2	5809.9	5602.7	5454.6	5159.7	4941.9	4691.8	4411.2
32°	5904.4	5886.4	5911.3	5842.8	5735.8	5531.1	5373.1	5088.1	4864.2	4626.5	4341.5
33°	5873.9	5868.3	5877.7	5785.0	5647.5	5434.1	5291.0	5011.6	4789.5	4553.1	4265.0
34°	5868.3	5856.5	5840.3	5707.2	5558.5	5342.0	5198.3	4926.4	4709.2	4466.6	4171.7
35°	5827.9	5801.8	5765.1	5599.6	5432.8	5225.6	5090.0	4828.1	4608.4	4363.3	4055.9
36°	5723.4	5679.2	5639.4	5467.0	5294.1	5100.6	4973.0	4716.7	4497.7	4244.5	3923.4
37°	5522.4	5507.5	5459.0	5312.1	5154.1	4968.1	4844.9	4600.4	4373.9	4108.2	3775.3
38°	5348.2	5332.0	5287.2	5154.7	5011.0	4832.4	4709.9	4450.4	4234.5	3955.2	3613.6
39°	5171.5	5157.2	5123.0	4978.6	4853.6	4685.6	4563.0	4303.6	4082.7	3785.3	3435.0
40°	5004.8	4990.5	4959.3	4816.2	4692.4	4532.5	4408.1	4143.7	3935.9	3600.5	3230.3
42.5°	4579.8	4531.3	4491.5	4354.0	4243.2	4077.1	3942.7	3670.8	3379.6	3024.4	2652.9
45°	3890.5	3830.1	3782.8	3694.5	3573.8	3445.6	3263.9	2970.3	2669.1	2325.7	1819.9
47.5°	2429.0	2344.4	2290.2	2189.4	2053.8	1966.1	1918.2	1763.2	1557.9	1406.1	1021.6
50°	1446.6	1384.3	1338.9	1192.7	1089.4	961.3	839.3	614.1	492.8	372.7	308.6
51°	1040.3	989.3	962.5	841.8	763.4	671.9	586.1	427.4	344.1	260.1	214.6
52°	602.3	563.1	561.8	484.1	453.6	416.2	355.9	281.8	240.8	188.5	161.1
53°	280.0	257.0	261.3	225.2	213.4	208.4	206.6	164.3	160.5	140.6	118.8
54°	125.7	115.1	107.6	103.9	100.8	102.0	104.5	94.6	90.8	88.3	80.9
55°	62.8	57.2	54.1	57.2	51.0	51.6	53.5	49.8	48.5	48.5	47.3
57.5°	13.7	13.1	13.1	13.7	13.1	13.1	13.7	13.7	13.7	13.1	13.1
60°	3.1	3.1	3.1	3.1	3.7	3.7	3.7	3.7	4.4	5.0	5.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
64°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
66°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
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°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	212.2	207.2	207.8	204.1	201.6	199.7	201.6	196.0	194.7	189.1	186.0
5°	303.0	291.2	287.4	278.7	268.8	263.8	261.9	251.4	245.8	235.2	229.0
7.5°	500.8	463.5	441.7	416.2	385.1	369.6	349.7	330.4	309.2	289.3	275.6
10°	1089.4	970.6	881.6	790.2	666.3	604.1	524.5	466.0	407.5	361.5	332.9
11°	1443.4	1292.3	1172.2	1045.3	881.0	792.0	675.7	579.9	478.5	408.1	362.1
12°	1826.7	1645.6	1497.6	1332.1	1131.1	1011.7	866.1	739.1	597.9	489.7	410.6
13°	2213.1	2005.3	1834.2	1633.8	1405.5	1251.8	1080.1	923.3	746.6	608.5	494.0
14°	2587.0	2358.7	2168.9	1936.2	1688.6	1503.2	1307.8	1119.9	911.5	743.5	599.8
15°	2921.1	2679.7	2481.2	2229.9	1969.8	1755.2	1536.1	1317.8	1100.6	886.6	715.5
17.5°	3496.0	3242.1	3046.8	2782.4	2525.4	2280.9	2030.2	1746.4	1478.3	1212.6	1010.4
20°	3930.9	3624.8	3390.8	3077.9	2784.8	2509.2	2244.2	1954.9	1689.8	1403.0	1172.8
21°	4041.6	3724.3	3485.4	3171.8	2855.8	2564.6	2285.9	1982.2	1707.2	1417.9	1189.0
22°	4135.6	3817.0	3561.3	3232.2	2909.3	2601.3	2311.4	1992.2	1706.0	1407.4	1177.2
23°	4207.1	3883.0	3622.9	3285.1	2951.0	2628.1	2323.2	1987.8	1691.1	1385.6	1149.8
24°	4275.0	3943.3	3672.1	3318.1	2975.2	2632.4	2317.0	1970.4	1666.2	1352.6	1113.1
25°	4318.5	3983.8	3698.8	3334.2	2976.5	2620.6	2296.4	1941.2	1628.2	1307.8	1065.2
26°	4349.6	4003.1	3708.2	3328.6	2966.5	2597.0	2264.1	1897.6	1576.0	1252.4	1009.8
27°	4354.6	4001.8	3696.3	3309.3	2933.5	2552.2	2211.8	1836.7	1508.8	1188.4	949.4
28°	4335.9	3978.8	3666.5	3272.0	2887.5	2492.4	2144.0	1763.2	1434.1	1117.4	882.9
29°	4303.0	3940.2	3615.5	3211.0	2815.3	2412.2	2062.5	1678.0	1350.1	1037.2	809.4
30°	4250.7	3884.2	3550.1	3139.5	2732.6	2321.3	1967.9	1578.5	1247.5	938.9	713.6
31°	4187.9	3812.1	3461.8	3041.2	2628.7	2214.3	1858.4	1445.9	1115.6	815.0	599.2
32°	4106.3	3720.6	3360.4	2932.3	2512.3	2091.7	1708.5	1276.7	958.8	671.3	475.3
33°	4016.1	3619.2	3239.7	2791.7	2382.9	1927.5	1511.9	1085.1	783.9	519.5	349.7
34°	3904.8	3497.9	3111.5	2648.6	2216.8	1714.1	1259.3	878.5	603.5	371.4	237.7
35°	3776.0	3357.9	2955.9	2480.0	1993.4	1468.3	1024.1	698.7	431.8	247.6	173.0
36°	3626.0	3206.1	2791.1	2261.6	1739.0	1211.4	797.0	512.0	295.5	188.5	148.7
37°	3464.3	3036.2	2570.2	2033.9	1465.8	958.1	592.9	360.2	223.4	167.4	128.8
38°	3282.6	2855.2	2320.1	1751.4	1191.5	724.2	423.7	268.8	192.3	145.6	110.1
39°	3081.6	2631.8	2033.9	1454.0	927.0	522.0	322.9	220.9	166.1	125.7	95.2
40°	2858.9	2317.0	1722.2	1160.4	689.4	376.4	263.2	191.0	145.0	107.6	80.9
42.5°	2117.3	1536.8	947.6	547.5	325.4	234.6	174.8	134.4	95.2	64.7	41.7
45°	1272.3	784.6	415.6	284.3	205.9	157.4	112.6	77.8	45.4	28.0	19.3
47.5°	568.7	327.9	232.7	183.5	133.1	93.9	54.8	33.0	20.5	14.3	10.6
50°	221.5	179.8	138.7	105.8	64.1	37.3	23.6	15.6	10.6	7.5	5.0
51°	171.1	139.4	108.3	77.8	42.9	26.1	17.4	11.8	8.1	5.6	3.7
52°	131.3	107.0	81.5	52.3	29.2	19.9	13.7	8.7	6.2	3.7	3.1
53°	96.4	82.1	56.6	36.7	21.2	14.9	10.6	6.8	4.4	3.1	2.5
54°	66.6	56.6	36.1	23.0	15.6	11.2	7.5	5.0	3.1	2.5	2.5
55°	40.4	35.5	23.6	16.8	11.2	8.1	5.6	3.7	2.5	1.9	1.9
57.5°	12.4	11.2	9.3	7.5	5.0	3.7	2.5	1.9	1.9	1.9	1.9
60°	4.4	4.4	3.7	3.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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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°	1.2	1.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
64°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	1.9	2.5
65°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	1.9	2.5
66°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	1.9	2.5
67.5°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	1.9	2.5
70°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	2.5	2.5
72.5°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	2.5	2.5
75°	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5
77.5°	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	2.5	2.5	2.5
82.5°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.9	1.9	1.9	1.9	2.5	2.5	2.5
87.5°	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5
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: P208887

CATALOG NUMBER: LDSQA6A15840D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	183.5	180.4	177.9	175.5	172.3	170.5	168.6	164.9	163.0	158.7	155.5
5°	222.1	215.3	208.4	201.6	195.4	190.4	185.4	178.6	173.6	166.1	159.9
7.5°	260.7	247.0	234.6	224.0	212.8	204.7	195.4	185.4	176.7	166.7	157.4
10°	304.2	278.7	257.6	238.9	222.7	209.7	197.2	183.5	173.0	159.9	149.3
11°	322.9	292.4	266.3	243.9	225.2	210.3	196.0	181.1	169.2	156.2	144.3
12°	350.3	305.5	275.0	248.9	226.5	209.7	194.1	177.9	165.5	151.8	140.0
13°	396.3	329.1	283.7	252.0	228.3	208.4	191.0	173.6	160.5	146.2	133.8
14°	472.9	370.8	301.8	257.6	228.3	207.2	187.3	168.6	154.3	140.0	127.5
15°	566.2	438.6	336.6	269.4	227.7	204.7	183.5	163.6	148.1	133.1	119.5
17.5°	805.1	634.6	485.9	357.1	261.3	200.3	169.9	146.8	130.0	113.2	100.8
20°	948.2	754.1	587.3	438.6	315.4	219.6	158.0	128.2	110.1	95.2	83.4
21°	965.6	769.6	598.5	448.6	321.7	222.1	154.3	120.1	102.0	87.1	76.5
22°	960.0	765.3	593.6	443.0	315.4	216.5	147.5	112.6	94.6	80.3	69.7
23°	932.6	741.0	569.9	420.6	298.6	203.5	137.5	104.5	87.1	73.4	63.5
24°	892.8	700.6	533.8	387.6	268.8	180.4	123.2	95.8	79.6	67.2	59.1
25°	845.5	654.5	488.4	350.3	233.3	154.9	108.3	87.1	72.2	61.0	54.1
26°	792.6	604.8	441.1	308.0	196.0	130.0	95.8	79.0	64.7	54.8	49.2
27°	736.0	550.6	391.3	261.9	163.0	110.7	86.5	70.3	58.5	50.4	44.8
28°	675.7	496.5	337.2	218.4	135.0	97.1	77.8	62.8	52.3	45.4	41.1
29°	607.9	433.0	285.0	178.6	111.4	85.9	69.1	56.0	47.3	41.7	38.0
30°	522.6	361.5	228.3	143.7	95.8	76.5	61.6	50.4	42.9	38.6	34.8
31°	425.6	281.2	173.6	113.9	83.4	67.8	54.8	45.4	39.2	35.5	31.7
32°	321.7	204.7	129.4	94.6	73.4	59.7	48.5	41.1	36.1	31.7	29.2
33°	226.5	146.2	104.5	82.1	64.1	52.3	43.6	37.3	33.0	28.6	26.1
34°	155.5	117.6	90.8	70.9	56.0	46.7	39.2	33.6	29.2	25.5	23.0
35°	131.3	102.7	78.4	61.0	48.5	41.1	34.8	29.9	25.5	22.4	19.9
36°	113.2	89.0	67.2	53.5	42.3	35.5	30.5	25.5	21.8	18.7	17.4
37°	97.7	76.5	57.9	46.0	36.1	29.9	24.9	21.2	18.7	16.2	14.9
38°	84.6	64.7	49.2	39.2	29.9	24.3	20.5	17.4	15.6	13.7	12.4
39°	72.2	54.1	39.8	31.1	23.6	19.9	16.8	14.9	13.1	11.8	10.6
40°	59.7	42.9	30.5	24.3	18.7	16.2	13.7	12.4	10.6	10.0	9.3
42.5°	28.0	20.5	16.2	13.7	11.2	10.0	8.7	7.5	6.8	6.2	6.2
45°	14.3	11.8	8.7	7.5	6.2	5.6	5.0	4.4	4.4	4.4	4.4
47.5°	7.5	5.6	4.4	3.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1
50°	3.7	2.5	2.5	2.5	1.9	2.5	2.5	2.5	2.5	3.1	3.1
51°	2.5	2.5	1.9	1.9	1.9	2.5	2.5	2.5	2.5	3.1	3.1
52°	2.5	1.9	1.9	1.9	1.9	2.5	2.5	2.5	2.5	3.1	3.1
53°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	3.1	3.1
54°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	3.1	3.1
55°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	2.5	3.1
57.5°	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	2.5	2.5	3.1
60°	1.9	1.9	1.9	1.9	2.5	2.5	2.5	2.5	2.5	2.5	3.1



TEST NUMBER: P208887

CATALOG NUMBER: LDSQA6A15840D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1
64°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1
65°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1
66°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.1
67.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.1
70°	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1
72.5°	2.5	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.1
75°	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
80°	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1	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: P208887

CATALOG NUMBER: LDSQA6A15840D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	155.5	149.9	150.6	147.5	123.2	110.1	103.3	98.3
5°	156.8	148.7	146.8	141.9	102.7	87.7	81.5	78.4
7.5°	152.4	141.9	138.1	131.3	87.1	73.4	68.4	66.0
10°	142.5	130.7	124.4	116.3	74.7	63.5	58.5	56.6
11°	137.5	125.1	118.8	110.7	70.3	59.7	55.4	53.5
12°	131.9	118.8	113.2	104.5	66.0	56.0	52.3	50.4
13°	125.7	112.6	107.0	98.9	61.6	52.9	49.8	47.9
14°	118.2	106.4	100.8	93.3	57.9	49.8	47.3	46.0
15°	111.4	100.2	93.9	86.5	54.8	47.3	45.4	44.2
17.5°	93.3	83.4	78.4	72.2	46.0	40.4	40.4	39.8
20°	76.5	67.8	64.1	59.1	38.6	35.5	36.1	36.1
21°	70.3	62.8	59.1	54.8	36.7	33.6	34.8	34.8
22°	64.1	57.2	54.8	50.4	34.2	31.7	33.6	33.6
23°	59.1	52.3	50.4	46.7	31.7	30.5	32.4	32.4
24°	54.1	48.5	46.0	42.9	29.9	28.6	31.1	31.7
25°	49.8	44.2	42.3	39.8	28.0	27.4	29.9	30.5
26°	45.4	40.4	39.2	36.7	26.1	26.1	28.6	29.9
27°	41.7	38.0	36.1	33.6	24.3	24.9	28.0	28.6
28°	38.6	34.8	33.0	31.1	22.4	23.6	26.8	28.0
29°	35.5	31.7	30.5	28.6	21.2	22.4	25.5	27.4
30°	32.4	29.2	28.0	26.1	19.9	21.2	24.9	26.8
31°	29.9	26.8	25.5	23.6	18.7	20.5	23.6	25.5
32°	26.8	24.3	23.0	21.8	17.4	19.3	23.0	24.9
33°	24.3	21.2	20.5	19.3	16.8	18.7	22.4	23.6
34°	21.2	18.7	18.0	17.4	15.6	17.4	21.2	23.0
35°	18.0	16.8	16.2	15.6	14.3	16.8	20.5	22.4
36°	16.2	14.3	14.3	13.7	13.7	16.2	19.9	21.8
37°	13.7	13.1	12.4	12.4	12.4	14.9	18.7	21.2
38°	11.8	11.2	11.2	11.2	11.8	14.3	18.0	20.5
39°	10.0	10.0	10.0	10.0	11.2	13.7	17.4	19.9
40°	8.7	8.7	8.7	8.7	10.6	13.1	16.8	19.3
42.5°	6.2	6.2	6.2	6.8	8.7	11.8	14.9	18.0
45°	5.0	5.0	5.0	5.6	8.1	10.6	13.7	16.2
47.5°	3.7	3.7	4.4	5.0	6.8	9.3	12.4	14.9
50°	3.1	3.7	3.7	4.4	6.2	8.7	10.6	13.1
51°	3.1	3.1	3.7	3.7	5.6	8.1	10.0	12.4
52°	3.1	3.1	3.7	3.7	5.6	7.5	10.0	11.2
53°	3.1	3.1	3.7	3.7	5.6	7.5	9.3	10.6
54°	3.1	3.1	3.7	3.7	5.0	6.8	8.7	10.0
55°	3.1	3.1	3.7	3.7	5.0	6.8	8.7	8.7
57.5°	3.1	3.1	3.1	3.7	4.4	6.2	7.5	7.5
60°	3.1	3.1	3.1	3.1	4.4	5.6	6.8	5.0



TEST NUMBER: P208887

CATALOG NUMBER: LDSQA6A15840D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.1	3.1	3.1	3.1	3.7	5.0	5.6	3.7
64°	3.1	3.1	3.1	3.7	3.7	5.0	5.0	3.7
65°	3.1	3.1	3.1	3.1	3.7	4.4	5.0	3.7
66°	3.1	3.1	3.1	3.1	3.7	4.4	4.4	3.7
67.5°	3.1	3.1	3.1	3.1	3.7	4.4	4.4	3.1
70°	3.1	3.1	3.1	3.1	3.7	3.7	3.7	3.1
72.5°	3.1	3.1	3.1	3.1	3.1	3.7	3.1	2.5
75°	3.1	3.1	3.7	3.7	3.1	3.1	2.5	2.5
77.5°	3.1	3.1	3.7	3.7	3.1	3.1	2.5	1.9
80°	3.1	3.1	3.7	3.7	3.1	2.5	1.9	1.9
82.5°	3.1	3.1	3.7	3.7	3.1	2.5	1.9	1.2
85°	3.1	3.1	3.7	3.7	3.1	2.5	1.2	1.2
87.5°	3.1	3.1	3.7	3.7	3.1	1.9	1.2	0.6
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°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	3.1	3.1
62°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.9	1.9	1.9





61°	3.1	3.1	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
62°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9





61°	1.9	1.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1
62°	1.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1





61°	3.1	3.1	3.1	3.1	4.4	5.6	6.2	4.4
62°	3.1	3.1	3.1	3.1	4.4	5.6	5.6	4.4



(END OF REPORT)