

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-105SL-LC-UNV-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

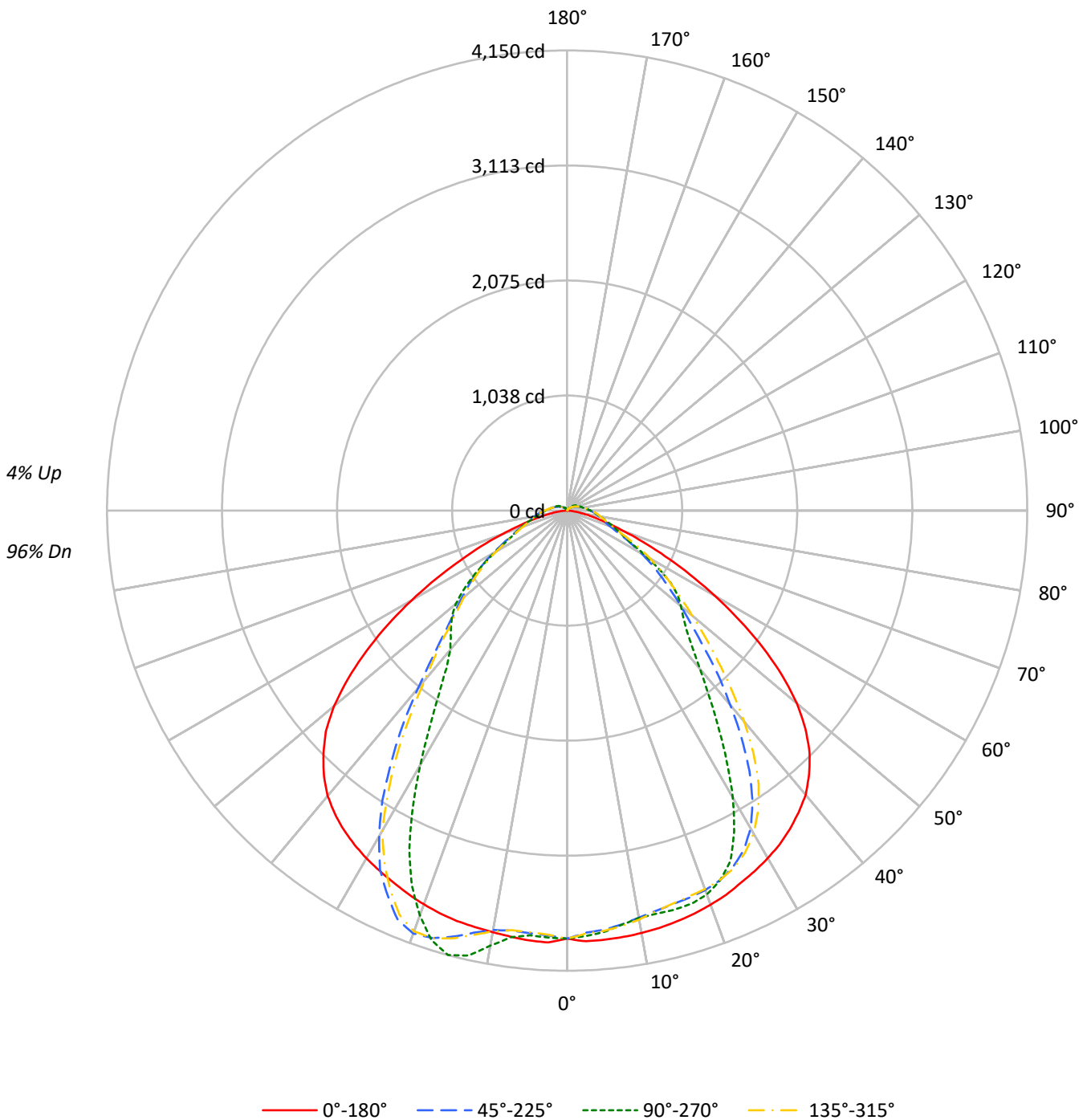
Lumens per Lamp: N/A  
Luminaire Lumens: 9203.0 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	15598	15598	15598	15598
5°	15733	14980	15765	15097
10°	15828	14357	15795	15331
15°	15973	14165	15965	15772
20°	16173	13940	16156	14695
25°	16398	13224	16389	12778
30°	16734	11461	16743	10154
35°	17094	9268	17143	7843
40°	17420	7462	17492	6575
45°	17400	6321	17490	6155
50°	16698	5820	16932	5690
55°	14867	5231	15238	4755
60°	12112	4003	12755	3672
65°	9057	3063	9758	2905
70°	6212	2644	7001	2528
75°	4119	2386	4794	2256
80°	2727	2224	3198	2047
85°	1491	2219	1963	2027



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.7	4.0
10°-20°	1091.0	11.9
20°-30°	1658.7	18.0
30°-40°	1779.4	19.3
40°-50°	1544.3	16.8
50°-60°	1144.5	12.4
60°-70°	655.7	7.1
70°-80°	363.1	3.9
80°-90°	221.1	2.4
90°-100°	143.8	1.6
100°-110°	96.3	1.0
110°-120°	65.0	0.7
120°-130°	39.9	0.4
130°-140°	21.0	0.2
140°-150°	9.6	0.1
150°-160°	2.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3116.4	33.9
0°-40°	4895.8	53.2
0°-60°	7584.6	82.4
0°-90°	8824.6	95.9
90°-120°	305.1	3.3
90°-150°	375.6	4.1
90°-180°	378.0	4.1
0°-180°	9203.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3860	3860	3860	3860	3860	
5°	3884	3815	3892	3844	3884	370
15°	3834	3727	3832	4150	3834	1085
25°	3705	3486	3703	3368	3705	1713
35°	3504	2373	3514	2008	3504	2193
45°	3093	1521	3109	1482	3093	2368
55°	2158	1141	2211	1037	2158	1913
65°	979	578	1055	548	979	987
75°	279	367	325	347	279	319
85°	38	253	50	231	38	50
90°	0	211	4	195	0	2
95°	2	174	0	166	2	1
105°	2	130	2	124	2	2
115°	2	106	2	96	2	2
125°	2	80	2	66	2	2
135°	2	50	2	42	2	2
145°	2	30	4	24	2	1
155°	4	14	4	12	4	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4
2.5°	3888.3	3878.4	3874.4	3866.4	3872.4	3896.3	3880.4	3854.4	3856.4	3810.6	3834.5
5°	3884.4	3872.4	3866.4	3858.4	3862.4	3884.4	3868.4	3842.5	3840.5	3794.6	3816.6
7.5°	3878.4	3866.4	3856.4	3850.5	3852.4	3870.4	3850.5	3820.5	3814.6	3764.7	3784.7
10°	3868.4	3860.4	3846.5	3836.5	3834.5	3854.4	3822.5	3792.6	3778.7	3726.8	3746.8
12.5°	3854.4	3842.5	3828.5	3810.6	3808.6	3820.5	3794.6	3752.7	3738.8	3696.9	3718.8
15°	3834.5	3820.5	3804.6	3784.7	3774.7	3782.7	3750.8	3712.9	3710.9	3675.0	3704.9
17.5°	3812.6	3792.6	3774.7	3746.8	3732.8	3738.8	3712.9	3679.0	3683.0	3661.0	3694.9
20°	3782.7	3760.7	3732.8	3704.9	3685.0	3694.9	3677.0	3651.1	3657.0	3641.1	3671.0
22.5°	3748.8	3718.8	3685.0	3653.0	3637.1	3651.1	3637.1	3615.2	3617.2	3607.2	3625.1
25°	3704.9	3671.0	3631.1	3591.2	3583.3	3593.2	3585.3	3567.3	3559.3	3543.4	3551.4
27.5°	3665.0	3627.1	3577.3	3535.4	3521.4	3541.4	3523.4	3493.5	3471.6	3449.7	3433.7
30°	3619.1	3573.3	3517.5	3469.6	3457.6	3465.6	3439.7	3393.8	3336.0	3308.1	3264.2
32.5°	3569.3	3509.5	3439.7	3385.8	3377.9	3371.9	3324.0	3258.2	3168.5	3112.7	3044.9
35°	3503.5	3437.7	3353.9	3288.1	3276.2	3242.3	3164.5	3076.8	2961.1	2865.4	2749.8
37.5°	3429.7	3351.9	3264.2	3176.5	3142.6	3074.8	2965.1	2873.4	2697.9	2582.3	2442.7
40°	3346.0	3252.2	3144.6	3038.9	2983.1	2873.4	2747.8	2612.2	2442.7	2287.1	2169.5
42.5°	3230.3	3130.6	3003.0	2885.3	2789.6	2644.1	2496.5	2305.1	2149.6	2017.9	1898.3
45°	3092.7	2973.1	2825.5	2684.0	2562.3	2388.8	2215.4	2023.9	1894.3	1740.8	1659.0
47.5°	2915.3	2785.6	2628.1	2470.6	2311.1	2119.6	1938.2	1754.7	1625.1	1515.5	1455.6
50°	2705.9	2586.2	2412.8	2225.3	2049.9	1850.5	1669.0	1531.4	1405.8	1338.0	1292.1
52.5°	2446.7	2335.0	2157.5	1954.1	1784.6	1589.2	1423.7	1312.1	1222.3	1172.5	1156.5
55°	2157.5	2059.8	1884.4	1694.9	1521.4	1342.0	1216.4	1118.6	1060.8	1030.9	1032.9
57.5°	1848.5	1772.7	1607.2	1437.7	1274.2	1138.6	1024.9	947.2	903.3	901.3	907.3
60°	1539.4	1483.6	1340.0	1194.4	1050.8	941.2	857.4	803.6	775.7	777.7	775.7
62.5°	1244.3	1192.4	1088.7	969.1	855.4	781.7	705.9	683.9	660.0	658.0	658.0
65°	979.1	939.2	855.4	769.7	683.9	636.1	598.2	572.3	554.3	550.3	552.3
67.5°	735.8	719.8	662.0	604.2	550.3	520.4	488.5	482.6	468.6	468.6	472.6
70°	548.4	536.4	504.5	470.6	448.7	428.7	412.8	412.8	410.8	408.8	418.7
72.5°	396.8	398.8	388.8	362.9	360.9	356.9	352.9	358.9	360.9	366.9	378.9
75°	279.2	285.1	285.1	281.2	289.1	299.1	305.1	315.1	327.0	335.0	349.0
77.5°	197.4	197.4	207.4	219.3	235.3	253.2	269.2	283.2	299.1	309.1	321.0
80°	127.6	133.6	149.6	171.5	193.4	217.3	239.3	257.2	273.2	289.1	297.1
82.5°	75.8	85.7	105.7	133.6	161.5	191.4	213.4	235.3	253.2	269.2	275.2
85°	37.9	51.8	75.8	105.7	135.6	167.5	195.4	215.4	235.3	249.3	257.2
87.5°	12.0	27.9	53.8	81.8	113.7	145.6	175.5	197.4	215.4	227.3	235.3
90°	0.0	14.0	37.9	67.8	97.7	129.6	157.5	181.5	199.4	209.4	215.4
92.5°	0.0	8.0	29.9	55.8	83.7	115.7	143.6	165.5	181.5	191.4	195.4
95°	2.0	6.0	21.9	45.9	73.8	103.7	129.6	149.6	165.5	175.5	177.5
97.5°	2.0	4.0	17.9	37.9	63.8	91.7	117.6	137.6	149.6	159.5	161.5
100°	2.0	4.0	14.0	33.9	55.8	81.8	105.7	123.6	137.6	145.6	147.6
102.5°	2.0	2.0	12.0	27.9	49.9	71.8	93.7	111.7	123.6	131.6	135.6
105°	2.0	2.0	10.0	23.9	43.9	63.8	83.7	101.7	111.7	119.6	123.6
107.5°	2.0	2.0	8.0	19.9	37.9	55.8	75.8	89.7	101.7	109.7	113.7
110°	2.0	2.0	6.0	17.9	31.9	49.9	65.8	79.8	91.7	99.7	103.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.0	2.0	6.0	16.0	27.9	43.9	57.8	71.8	81.8	89.7	95.7
115°	2.0	2.0	6.0	14.0	25.9	37.9	51.8	63.8	73.8	81.8	87.7
117.5°	2.0	2.0	6.0	12.0	21.9	33.9	45.9	57.8	65.8	73.8	79.8
120°	2.0	2.0	4.0	10.0	19.9	29.9	39.9	49.9	59.8	67.8	73.8
122.5°	2.0	2.0	4.0	10.0	16.0	25.9	35.9	43.9	53.8	59.8	65.8
125°	2.0	2.0	4.0	8.0	14.0	23.9	31.9	39.9	45.9	53.8	59.8
127.5°	2.0	2.0	4.0	8.0	12.0	19.9	27.9	35.9	41.9	47.9	51.8
130°	2.0	2.0	4.0	6.0	10.0	16.0	23.9	29.9	37.9	41.9	45.9
132.5°	2.0	2.0	2.0	6.0	8.0	12.0	17.9	25.9	31.9	37.9	39.9
135°	2.0	2.0	2.0	4.0	8.0	10.0	14.0	19.9	25.9	31.9	35.9
137.5°	2.0	2.0	2.0	4.0	6.0	10.0	12.0	16.0	21.9	25.9	31.9
140°	2.0	2.0	2.0	4.0	6.0	8.0	10.0	14.0	17.9	21.9	25.9
142.5°	2.0	2.0	2.0	4.0	4.0	6.0	8.0	12.0	14.0	17.9	21.9
145°	2.0	2.0	2.0	4.0	4.0	6.0	8.0	10.0	12.0	14.0	17.9
147.5°	2.0	2.0	2.0	4.0	4.0	4.0	6.0	8.0	10.0	12.0	14.0
150°	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	8.0	10.0	12.0
152.5°	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	8.0	10.0
155°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	8.0	8.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4
2.5°	3826.5	3830.5	3854.4	3852.4	3848.5	3844.5	3844.5	3840.5	3844.5	3854.4	3850.5
5°	3806.6	3812.6	3830.5	3828.5	3824.5	3822.5	3820.5	3814.6	3818.6	3832.5	3828.5
7.5°	3770.7	3776.7	3792.6	3784.7	3778.7	3782.7	3772.7	3766.7	3774.7	3788.6	3786.6
10°	3732.8	3736.8	3756.7	3752.7	3742.8	3744.8	3734.8	3730.8	3740.8	3748.8	3750.8
12.5°	3706.9	3720.8	3738.8	3736.8	3734.8	3736.8	3726.8	3722.8	3728.8	3736.8	3734.8
15°	3700.9	3718.8	3738.8	3738.8	3740.8	3742.8	3732.8	3726.8	3732.8	3738.8	3736.8
17.5°	3694.9	3716.9	3734.8	3732.8	3734.8	3738.8	3722.8	3718.8	3726.8	3734.8	3730.8
20°	3675.0	3694.9	3706.9	3702.9	3702.9	3704.9	3685.0	3685.0	3696.9	3702.9	3704.9
22.5°	3619.1	3643.1	3643.1	3633.1	3633.1	3625.1	3619.1	3607.2	3621.1	3631.1	3639.1
25°	3535.4	3545.4	3533.4	3511.5	3499.5	3489.5	3461.6	3485.5	3485.5	3515.5	3525.4
27.5°	3417.8	3395.8	3361.9	3316.1	3306.1	3274.2	3256.2	3262.2	3272.2	3314.1	3346.0
30°	3224.3	3158.5	3100.7	3080.8	3036.9	3005.0	2973.1	2989.0	3007.0	3030.9	3096.7
32.5°	2969.1	2905.3	2811.6	2777.7	2731.8	2691.9	2654.0	2678.0	2709.9	2725.8	2797.6
35°	2676.0	2600.2	2514.5	2456.6	2408.8	2386.8	2339.0	2372.9	2406.8	2418.7	2480.6
37.5°	2364.9	2287.1	2211.4	2161.5	2115.7	2101.7	2069.8	2093.7	2119.6	2137.6	2189.4
40°	2069.8	1998.0	1940.2	1906.3	1874.4	1862.4	1850.5	1860.4	1880.4	1894.3	1934.2
42.5°	1816.6	1758.7	1718.8	1698.9	1677.0	1661.0	1663.0	1667.0	1677.0	1706.9	1724.8
45°	1595.2	1561.3	1535.4	1531.4	1517.5	1515.5	1513.5	1521.4	1527.4	1545.4	1559.3
47.5°	1417.7	1403.8	1397.8	1405.8	1411.8	1403.8	1407.8	1417.7	1429.7	1429.7	1427.7
50°	1278.2	1282.2	1290.1	1308.1	1320.0	1324.0	1328.0	1340.0	1342.0	1346.0	1340.0
52.5°	1164.5	1168.5	1190.4	1218.3	1232.3	1238.3	1246.3	1258.2	1258.2	1262.2	1254.2
55°	1048.9	1054.8	1076.8	1104.7	1116.7	1124.6	1132.6	1140.6	1146.6	1154.5	1148.6
57.5°	921.2	939.2	953.1	961.1	969.1	975.1	981.1	983.1	995.0	997.0	1007.0
60°	785.6	789.6	803.6	801.6	795.6	811.6	803.6	817.5	831.5	849.5	851.4
62.5°	656.0	658.0	668.0	664.0	672.0	670.0	676.0	676.0	685.9	693.9	703.9
65°	554.3	556.3	564.3	564.3	562.3	568.3	574.3	578.3	578.3	584.2	592.2
67.5°	478.6	484.5	492.5	496.5	500.5	500.5	506.5	508.5	512.5	514.5	518.4
70°	426.7	434.7	442.7	446.7	448.7	452.6	454.6	454.6	458.6	460.6	464.6
72.5°	388.8	396.8	402.8	402.8	406.8	408.8	408.8	410.8	412.8	416.8	420.7
75°	356.9	362.9	366.9	364.9	364.9	364.9	366.9	366.9	370.9	374.9	378.9
77.5°	327.0	333.0	333.0	329.0	329.0	329.0	329.0	331.0	333.0	337.0	341.0
80°	305.1	305.1	303.1	303.1	299.1	297.1	297.1	299.1	299.1	303.1	309.1
82.5°	281.2	281.2	279.2	277.2	275.2	273.2	273.2	275.2	277.2	279.2	283.2
85°	259.2	259.2	255.2	255.2	253.2	253.2	253.2	253.2	255.2	257.2	261.2
87.5°	237.3	235.3	233.3	231.3	231.3	231.3	231.3	231.3	233.3	237.3	239.3
90°	215.4	213.4	211.4	211.4	209.4	209.4	211.4	211.4	213.4	215.4	217.3
92.5°	195.4	193.4	191.4	191.4	189.4	189.4	191.4	189.4	193.4	193.4	195.4
95°	177.5	175.5	173.5	173.5	173.5	173.5	173.5	173.5	175.5	175.5	177.5
97.5°	161.5	159.5	157.5	157.5	159.5	157.5	159.5	159.5	159.5	161.5	163.5
100°	147.6	145.6	145.6	147.6	145.6	145.6	147.6	147.6	147.6	147.6	149.6
102.5°	135.6	135.6	135.6	135.6	135.6	135.6	137.6	137.6	137.6	137.6	139.6
105°	123.6	125.6	125.6	125.6	127.6	127.6	127.6	129.6	129.6	129.6	129.6
107.5°	115.7	117.6	117.6	119.6	119.6	121.6	121.6	121.6	121.6	123.6	123.6
110°	107.7	109.7	111.7	113.7	113.7	115.7	115.7	115.7	115.7	115.7	115.7





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	99.7	101.7	103.7	107.7	109.7	109.7	109.7	109.7	111.7	111.7	109.7
115°	91.7	95.7	97.7	101.7	103.7	103.7	105.7	105.7	105.7	105.7	103.7
117.5°	83.7	89.7	91.7	95.7	97.7	97.7	99.7	99.7	99.7	99.7	97.7
120°	77.8	81.8	85.7	87.7	89.7	91.7	91.7	93.7	93.7	93.7	91.7
122.5°	71.8	75.8	79.8	81.8	83.7	85.7	85.7	85.7	85.7	85.7	85.7
125°	63.8	67.8	71.8	73.8	75.8	77.8	77.8	79.8	79.8	79.8	77.8
127.5°	57.8	61.8	63.8	67.8	69.8	69.8	71.8	71.8	71.8	71.8	69.8
130°	49.9	53.8	57.8	59.8	61.8	61.8	63.8	63.8	63.8	63.8	63.8
132.5°	43.9	47.9	49.9	53.8	53.8	55.8	55.8	57.8	57.8	57.8	55.8
135°	39.9	41.9	43.9	47.9	47.9	49.9	49.9	49.9	49.9	49.9	49.9
137.5°	35.9	37.9	39.9	41.9	41.9	43.9	43.9	43.9	43.9	45.9	43.9
140°	29.9	33.9	35.9	35.9	37.9	37.9	37.9	39.9	39.9	39.9	37.9
142.5°	25.9	27.9	29.9	31.9	33.9	33.9	33.9	33.9	35.9	33.9	33.9
145°	19.9	23.9	25.9	27.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
147.5°	16.0	17.9	21.9	23.9	23.9	25.9	25.9	25.9	25.9	25.9	25.9
150°	14.0	14.0	17.9	19.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
152.5°	10.0	12.0	14.0	16.0	17.9	17.9	17.9	17.9	17.9	17.9	17.9
155°	10.0	10.0	12.0	12.0	14.0	14.0	14.0	14.0	16.0	14.0	14.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4
2.5°	3844.5	3842.5	3850.5	3842.5	3802.6	3818.6	3812.6	3834.5	3836.5	3842.5	3862.4
5°	3824.5	3824.5	3834.5	3826.5	3788.6	3804.6	3802.6	3824.5	3828.5	3832.5	3854.4
7.5°	3784.7	3786.6	3800.6	3794.6	3754.7	3778.7	3776.7	3802.6	3810.6	3818.6	3838.5
10°	3746.8	3744.8	3760.7	3754.7	3716.9	3744.8	3742.8	3768.7	3780.7	3794.6	3818.6
12.5°	3726.8	3720.8	3726.8	3720.8	3679.0	3700.9	3702.9	3732.8	3746.8	3764.7	3792.6
15°	3726.8	3716.9	3716.9	3704.9	3657.0	3671.0	3673.0	3692.9	3710.9	3728.8	3762.7
17.5°	3722.8	3712.9	3710.9	3700.9	3649.1	3649.1	3647.1	3661.0	3671.0	3688.9	3724.8
20°	3700.9	3696.9	3694.9	3688.9	3641.1	3633.1	3629.1	3629.1	3635.1	3641.1	3677.0
22.5°	3643.1	3647.1	3651.1	3655.0	3617.2	3603.2	3605.2	3601.2	3595.2	3595.2	3625.1
25°	3535.4	3555.3	3571.3	3589.2	3567.3	3557.3	3569.3	3563.3	3553.3	3545.4	3571.3
27.5°	3363.9	3405.8	3439.7	3483.6	3485.5	3477.6	3509.5	3505.5	3503.5	3491.5	3511.5
30°	3126.6	3192.4	3238.3	3302.1	3355.9	3363.9	3417.8	3425.7	3433.7	3427.7	3447.7
32.5°	2839.5	2929.2	3007.0	3106.7	3158.5	3204.4	3280.2	3312.1	3344.0	3353.9	3375.9
35°	2526.4	2628.1	2719.8	2829.5	2911.3	3011.0	3102.7	3150.6	3222.3	3250.3	3282.2
37.5°	2229.3	2325.0	2414.8	2524.4	2656.0	2759.7	2873.4	2981.1	3078.8	3118.6	3166.5
40°	1966.1	2043.9	2129.6	2225.3	2345.0	2480.6	2604.2	2753.7	2869.4	2949.2	3018.9
42.5°	1766.7	1804.6	1878.4	1964.1	2059.8	2197.4	2323.0	2490.5	2630.1	2743.8	2859.4
45°	1589.2	1607.2	1661.0	1706.9	1804.6	1926.2	2059.8	2223.3	2368.9	2514.5	2654.0
47.5°	1437.7	1459.6	1485.5	1513.5	1583.3	1684.9	1800.6	1948.2	2093.7	2263.2	2422.7
50°	1336.0	1342.0	1346.0	1357.9	1399.8	1469.6	1563.3	1688.9	1828.5	2010.0	2179.5
52.5°	1246.3	1246.3	1234.3	1228.3	1244.3	1288.1	1342.0	1431.7	1575.3	1742.8	1922.2
55°	1150.6	1132.6	1128.6	1108.7	1112.7	1132.6	1158.5	1228.3	1346.0	1489.5	1663.0
57.5°	1017.0	1009.0	1009.0	1001.0	985.0	995.0	1001.0	1050.8	1134.6	1258.2	1409.8
60°	863.4	859.4	869.4	871.4	857.4	863.4	861.4	891.3	951.1	1050.8	1176.5
62.5°	709.9	727.8	729.8	737.8	729.8	727.8	737.8	763.7	793.6	869.4	967.1
65°	596.2	606.2	608.2	618.1	614.2	614.2	622.1	642.1	660.0	711.9	787.6
67.5°	522.4	518.4	520.4	526.4	520.4	518.4	524.4	536.4	550.3	582.3	636.1
70°	464.6	460.6	460.6	460.6	452.6	446.7	448.7	452.6	458.6	476.6	510.5
72.5°	420.7	420.7	414.8	408.8	402.8	398.8	394.8	390.8	388.8	394.8	412.8
75°	380.9	382.9	380.9	374.9	366.9	358.9	350.9	343.0	333.0	329.0	331.0
77.5°	345.0	347.0	349.0	347.0	339.0	329.0	317.0	305.1	291.1	277.2	269.2
80°	313.1	317.0	319.0	317.0	311.1	303.1	289.1	275.2	255.2	237.3	217.3
82.5°	285.1	291.1	293.1	293.1	289.1	281.2	265.2	249.3	227.3	203.4	177.5
85°	263.2	267.2	271.2	271.2	269.2	261.2	245.3	227.3	205.4	177.5	149.6
87.5°	241.3	243.3	247.3	251.2	247.3	239.3	225.3	205.4	183.4	155.5	123.6
90°	219.3	221.3	225.3	229.3	227.3	219.3	207.4	189.4	165.5	135.6	103.7
92.5°	197.4	201.4	203.4	205.4	207.4	201.4	191.4	173.5	149.6	119.6	89.7
95°	181.5	181.5	185.4	187.4	189.4	183.4	175.5	157.5	135.6	107.7	77.8
97.5°	165.5	165.5	169.5	169.5	171.5	167.5	159.5	143.6	121.6	95.7	65.8
100°	149.6	151.5	153.5	155.5	155.5	153.5	145.6	129.6	109.7	85.7	57.8
102.5°	139.6	139.6	141.6	141.6	143.6	139.6	131.6	117.6	97.7	75.8	49.9
105°	129.6	129.6	131.6	131.6	129.6	125.6	117.6	105.7	87.7	65.8	43.9
107.5°	121.6	121.6	121.6	121.6	119.6	115.7	107.7	93.7	77.8	59.8	39.9
110°	115.7	113.7	113.7	111.7	109.7	103.7	95.7	83.7	69.8	51.8	33.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	109.7	107.7	105.7	103.7	99.7	93.7	85.7	75.8	61.8	45.9	29.9
115°	103.7	101.7	99.7	95.7	91.7	85.7	77.8	67.8	53.8	39.9	25.9
117.5°	97.7	95.7	91.7	87.7	83.7	77.8	69.8	59.8	47.9	35.9	23.9
120°	89.7	87.7	85.7	81.8	77.8	69.8	61.8	53.8	41.9	31.9	19.9
122.5°	83.7	81.8	77.8	75.8	69.8	63.8	55.8	47.9	37.9	27.9	17.9
125°	75.8	73.8	71.8	67.8	63.8	55.8	49.9	41.9	33.9	23.9	14.0
127.5°	69.8	67.8	63.8	59.8	55.8	49.9	43.9	37.9	29.9	19.9	14.0
130°	61.8	59.8	57.8	53.8	49.9	43.9	39.9	31.9	25.9	17.9	12.0
132.5°	53.8	53.8	51.8	47.9	43.9	39.9	33.9	27.9	21.9	16.0	10.0
135°	49.9	47.9	45.9	41.9	39.9	33.9	29.9	23.9	17.9	14.0	8.0
137.5°	43.9	41.9	39.9	37.9	33.9	29.9	25.9	19.9	16.0	12.0	8.0
140°	37.9	35.9	35.9	31.9	29.9	25.9	21.9	17.9	14.0	10.0	6.0
142.5°	33.9	31.9	29.9	27.9	25.9	21.9	17.9	14.0	12.0	8.0	6.0
145°	29.9	27.9	25.9	23.9	21.9	17.9	16.0	12.0	10.0	8.0	6.0
147.5°	23.9	23.9	21.9	19.9	17.9	16.0	14.0	12.0	8.0	6.0	4.0
150°	19.9	19.9	17.9	16.0	16.0	14.0	12.0	10.0	8.0	6.0	4.0
152.5°	17.9	16.0	16.0	14.0	14.0	12.0	10.0	8.0	6.0	6.0	4.0
155°	14.0	14.0	14.0	12.0	12.0	10.0	8.0	8.0	6.0	4.0	4.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4
2.5°	3866.4	3842.5	3862.4	3898.3	3894.3	3890.3	3886.3	3894.3	3920.2	3906.3	3884.4
5°	3860.4	3836.5	3858.4	3892.3	3890.3	3884.4	3880.4	3888.3	3914.3	3900.3	3876.4
7.5°	3848.5	3826.5	3842.5	3876.4	3876.4	3872.4	3868.4	3876.4	3900.3	3888.3	3864.4
10°	3828.5	3812.6	3828.5	3860.4	3862.4	3854.4	3850.5	3860.4	3884.4	3878.4	3858.4
12.5°	3812.6	3796.6	3814.6	3846.5	3848.5	3840.5	3834.5	3846.5	3878.4	3882.4	3876.4
15°	3790.6	3776.7	3798.6	3832.5	3832.5	3826.5	3826.5	3842.5	3886.3	3904.3	3914.3
17.5°	3758.7	3748.8	3774.7	3808.6	3810.6	3806.6	3808.6	3840.5	3898.3	3942.2	3970.1
20°	3718.8	3714.9	3742.8	3778.7	3784.7	3786.6	3796.6	3844.5	3924.2	3984.1	4012.0
22.5°	3671.0	3673.0	3704.9	3742.8	3750.8	3756.7	3776.7	3844.5	3944.2	4008.0	4019.9
25°	3617.2	3623.1	3657.0	3702.9	3712.9	3724.8	3758.7	3846.5	3950.2	3992.0	3972.1
27.5°	3559.3	3571.3	3615.2	3663.0	3675.0	3694.9	3738.8	3834.5	3922.2	3924.2	3850.5
30°	3499.5	3513.5	3565.3	3621.1	3641.1	3661.0	3714.9	3806.6	3854.4	3790.6	3661.0
32.5°	3431.7	3451.7	3503.5	3571.3	3595.2	3621.1	3675.0	3752.7	3734.8	3597.2	3411.8
35°	3346.0	3373.9	3433.7	3513.5	3535.4	3569.3	3607.2	3625.1	3545.4	3350.0	3140.6
37.5°	3240.3	3282.2	3351.9	3443.7	3467.6	3489.5	3499.5	3449.7	3290.1	3078.8	2861.4
40°	3118.6	3182.5	3258.2	3359.9	3383.9	3383.9	3348.0	3242.3	3040.9	2763.7	2522.4
42.5°	2971.1	3048.9	3144.6	3246.3	3270.2	3242.3	3156.5	2971.1	2741.8	2432.7	2177.5
45°	2791.6	2895.3	3003.0	3108.7	3120.6	3058.8	2905.3	2670.0	2386.8	2099.7	1856.4
47.5°	2578.3	2713.9	2831.5	2951.2	2935.2	2831.5	2626.1	2358.9	2059.8	1788.6	1593.2
50°	2339.0	2498.5	2630.1	2743.8	2709.9	2566.3	2325.0	2045.9	1748.8	1517.5	1355.9
52.5°	2083.8	2267.2	2398.8	2490.5	2444.7	2273.2	2008.0	1740.8	1497.5	1286.1	1178.5
55°	1818.5	2004.0	2139.6	2211.4	2151.5	1966.1	1704.9	1461.6	1232.3	1094.7	1030.9
57.5°	1561.3	1734.8	1862.4	1920.2	1844.5	1659.0	1417.7	1212.4	1046.9	931.2	899.3
60°	1314.1	1455.6	1577.3	1621.1	1539.4	1367.9	1160.5	997.0	875.4	795.6	779.7
62.5°	1084.7	1200.4	1296.1	1330.0	1250.3	1116.7	937.2	815.6	729.8	689.9	670.0
65°	895.3	963.1	1060.8	1054.8	1007.0	883.4	751.7	666.0	610.2	584.2	572.3
67.5°	703.9	765.7	827.5	835.5	775.7	689.9	604.2	542.4	512.5	498.5	492.5
70°	544.4	590.2	628.1	618.1	586.2	532.4	478.6	444.7	432.7	426.7	426.7
72.5°	422.7	446.7	464.6	452.6	432.7	404.8	378.9	364.9	366.9	370.9	374.9
75°	327.0	333.0	337.0	325.0	321.0	303.1	301.1	303.1	315.1	327.0	333.0
77.5°	251.2	243.3	237.3	225.3	227.3	225.3	235.3	251.2	269.2	287.1	303.1
80°	193.4	175.5	161.5	149.6	155.5	165.5	185.4	209.4	233.3	253.2	273.2
82.5°	149.6	123.6	103.7	91.7	103.7	119.6	145.6	175.5	203.4	225.3	247.3
85°	115.7	85.7	61.8	49.9	61.8	85.7	113.7	147.6	177.5	201.4	223.3
87.5°	89.7	61.8	33.9	19.9	33.9	59.8	91.7	123.6	153.5	181.5	203.4
90°	71.8	41.9	16.0	4.0	17.9	41.9	71.8	103.7	133.6	163.5	185.4
92.5°	57.8	29.9	8.0	0.0	10.0	31.9	59.8	89.7	119.6	147.6	169.5
95°	47.9	23.9	6.0	0.0	8.0	23.9	47.9	77.8	105.7	133.6	151.5
97.5°	39.9	17.9	4.0	0.0	4.0	19.9	39.9	65.8	93.7	119.6	137.6
100°	33.9	16.0	4.0	0.0	4.0	16.0	33.9	57.8	81.8	105.7	123.6
102.5°	27.9	12.0	2.0	2.0	2.0	12.0	29.9	49.9	71.8	93.7	111.7
105°	25.9	10.0	2.0	2.0	2.0	10.0	25.9	43.9	63.8	83.7	99.7
107.5°	21.9	8.0	2.0	2.0	2.0	8.0	21.9	37.9	57.8	75.8	89.7
110°	17.9	8.0	2.0	2.0	2.0	8.0	17.9	33.9	49.9	65.8	79.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	16.0	6.0	2.0	2.0	2.0	6.0	16.0	29.9	43.9	59.8	71.8
115°	14.0	6.0	2.0	2.0	2.0	6.0	14.0	25.9	37.9	51.8	63.8
117.5°	12.0	6.0	2.0	2.0	2.0	4.0	12.0	21.9	33.9	45.9	57.8
120°	10.0	4.0	2.0	2.0	2.0	4.0	10.0	19.9	29.9	39.9	49.9
122.5°	10.0	4.0	2.0	2.0	2.0	4.0	8.0	16.0	25.9	33.9	43.9
125°	8.0	4.0	2.0	2.0	2.0	2.0	8.0	14.0	21.9	29.9	37.9
127.5°	8.0	4.0	2.0	2.0	2.0	2.0	6.0	12.0	17.9	25.9	33.9
130°	6.0	4.0	2.0	2.0	2.0	2.0	4.0	10.0	16.0	21.9	27.9
132.5°	6.0	4.0	2.0	2.0	2.0	2.0	4.0	8.0	12.0	17.9	23.9
135°	6.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	14.0	17.9
137.5°	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	10.0	16.0
140°	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	8.0	12.0
142.5°	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	10.0
145°	4.0	2.0	2.0	4.0	4.0	2.0	2.0	4.0	4.0	6.0	8.0
147.5°	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0
150°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0
152.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
155°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4
2.5°	3880.4	3834.5	3858.4	3850.5	3858.4	3878.4	3876.4	3870.4	3874.4	3864.4	3854.4
5°	3872.4	3826.5	3850.5	3840.5	3850.5	3870.4	3866.4	3860.4	3866.4	3854.4	3844.5
7.5°	3862.4	3820.5	3848.5	3846.5	3864.4	3890.3	3892.3	3892.3	3906.3	3888.3	3880.4
10°	3862.4	3840.5	3878.4	3892.3	3938.2	3972.1	3976.1	3984.1	4008.0	4004.0	3984.1
12.5°	3904.3	3900.3	3956.1	3990.0	4031.9	4079.8	4105.7	4113.7	4129.6	4117.7	4109.7
15°	3958.1	3978.1	4039.9	4077.8	4123.6	4159.5	4165.5	4169.5	4181.5	4163.5	4149.6
17.5°	4029.9	4041.9	4091.7	4107.7	4137.6	4143.6	4135.6	4115.7	4115.7	4075.8	4063.8
20°	4063.8	4057.8	4077.8	4051.9	4039.9	4004.0	3970.1	3932.2	3930.2	3888.3	3884.4
22.5°	4033.9	3994.0	3952.2	3888.3	3860.4	3808.6	3762.7	3740.8	3726.8	3673.0	3659.0
25°	3928.2	3830.5	3768.7	3692.9	3625.1	3565.3	3521.4	3475.6	3431.7	3387.8	3367.9
27.5°	3744.8	3653.0	3553.3	3447.7	3353.9	3262.2	3188.4	3142.6	3100.7	3042.9	3013.0
30°	3519.4	3391.8	3282.2	3180.5	3026.9	2915.3	2853.4	2761.7	2729.8	2703.9	2648.1
32.5°	3254.2	3100.7	2951.2	2813.6	2656.0	2552.3	2470.6	2402.8	2382.9	2315.1	2299.1
35°	2961.1	2759.7	2590.2	2454.6	2341.0	2215.4	2147.6	2101.7	2061.8	2016.0	2008.0
37.5°	2616.2	2434.7	2243.3	2123.6	2033.9	1926.2	1874.4	1842.5	1824.5	1790.6	1784.6
40°	2269.2	2087.7	1956.1	1836.5	1780.7	1722.8	1684.9	1671.0	1663.0	1651.0	1639.1
42.5°	1954.1	1794.6	1700.9	1621.1	1597.2	1569.3	1559.3	1567.3	1559.3	1555.3	1553.3
45°	1686.9	1565.3	1499.5	1475.6	1469.6	1461.6	1469.6	1483.6	1485.5	1481.6	1481.6
47.5°	1443.7	1385.8	1357.9	1361.9	1371.9	1377.9	1391.8	1409.8	1413.8	1403.8	1407.8
50°	1284.1	1250.3	1244.3	1260.2	1282.2	1290.1	1306.1	1320.0	1318.0	1314.1	1310.1
52.5°	1134.6	1124.6	1140.6	1156.5	1180.5	1184.4	1190.4	1196.4	1194.4	1186.4	1182.5
55°	1009.0	1017.0	1030.9	1036.9	1054.8	1052.8	1054.8	1054.8	1046.9	1042.9	1036.9
57.5°	895.3	897.3	905.3	907.3	917.2	913.3	911.3	907.3	895.3	893.3	887.3
60°	779.7	775.7	793.6	779.7	787.6	779.7	777.7	767.7	755.7	753.7	749.8
62.5°	670.0	662.0	674.0	668.0	672.0	664.0	660.0	648.1	638.1	636.1	634.1
65°	572.3	568.3	580.3	578.3	582.3	572.3	568.3	560.3	552.3	550.3	548.4
67.5°	490.5	500.5	506.5	506.5	510.5	508.5	498.5	496.5	494.5	486.5	486.5
70°	430.7	436.7	448.7	450.6	448.7	452.6	444.7	442.7	440.7	436.7	434.7
72.5°	382.9	390.8	402.8	404.8	402.8	402.8	398.8	396.8	396.8	390.8	390.8
75°	345.0	354.9	364.9	364.9	364.9	360.9	356.9	356.9	352.9	350.9	347.0
77.5°	313.1	325.0	333.0	331.0	329.0	325.0	325.0	319.0	313.1	313.1	309.1
80°	289.1	297.1	303.1	301.1	299.1	293.1	291.1	285.1	281.2	275.2	275.2
82.5°	263.2	273.2	277.2	275.2	271.2	265.2	263.2	259.2	255.2	253.2	249.3
85°	241.3	251.2	253.2	249.3	245.3	241.3	239.3	237.3	235.3	231.3	231.3
87.5°	219.3	229.3	229.3	227.3	223.3	221.3	219.3	217.3	215.4	213.4	211.4
90°	201.4	209.4	209.4	207.4	205.4	203.4	201.4	199.4	197.4	195.4	195.4
92.5°	183.4	191.4	191.4	189.4	187.4	185.4	185.4	183.4	181.5	179.5	177.5
95°	167.5	175.5	175.5	175.5	173.5	171.5	171.5	169.5	167.5	167.5	165.5
97.5°	151.5	159.5	159.5	159.5	157.5	155.5	155.5	153.5	153.5	153.5	151.5
100°	137.6	143.6	145.6	145.6	143.6	143.6	143.6	141.6	141.6	141.6	139.6
102.5°	123.6	129.6	133.6	133.6	133.6	131.6	131.6	131.6	131.6	131.6	129.6
105°	111.7	117.6	121.6	123.6	123.6	123.6	123.6	123.6	123.6	123.6	123.6
107.5°	101.7	107.7	111.7	113.7	115.7	115.7	117.6	117.6	117.6	117.6	117.6
110°	91.7	97.7	103.7	105.7	107.7	109.7	109.7	111.7	109.7	109.7	109.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	81.8	89.7	93.7	97.7	99.7	101.7	103.7	103.7	103.7	103.7	103.7
115°	73.8	81.8	85.7	89.7	93.7	95.7	95.7	97.7	97.7	97.7	95.7
117.5°	65.8	73.8	77.8	81.8	83.7	87.7	89.7	89.7	89.7	89.7	87.7
120°	59.8	65.8	69.8	73.8	77.8	79.8	81.8	81.8	81.8	81.8	81.8
122.5°	51.8	57.8	63.8	67.8	69.8	71.8	73.8	73.8	73.8	73.8	73.8
125°	45.9	51.8	55.8	59.8	61.8	65.8	65.8	65.8	65.8	65.8	65.8
127.5°	39.9	45.9	49.9	53.8	55.8	57.8	59.8	59.8	59.8	59.8	59.8
130°	33.9	39.9	43.9	47.9	49.9	51.8	51.8	53.8	53.8	53.8	53.8
132.5°	29.9	33.9	37.9	41.9	43.9	45.9	45.9	47.9	47.9	47.9	47.9
135°	23.9	29.9	31.9	35.9	37.9	39.9	39.9	41.9	41.9	41.9	41.9
137.5°	19.9	23.9	27.9	31.9	33.9	33.9	35.9	35.9	37.9	37.9	37.9
140°	16.0	17.9	23.9	25.9	27.9	29.9	31.9	31.9	31.9	31.9	31.9
142.5°	12.0	16.0	17.9	21.9	23.9	25.9	27.9	27.9	27.9	27.9	27.9
145°	10.0	12.0	14.0	17.9	19.9	21.9	23.9	23.9	23.9	23.9	23.9
147.5°	8.0	10.0	12.0	14.0	16.0	17.9	19.9	19.9	19.9	19.9	19.9
150°	6.0	8.0	10.0	10.0	12.0	14.0	16.0	17.9	17.9	17.9	17.9
152.5°	6.0	6.0	8.0	8.0	10.0	12.0	14.0	14.0	14.0	14.0	14.0
155°	4.0	6.0	6.0	6.0	8.0	8.0	10.0	12.0	12.0	12.0	12.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4
2.5°	3860.4	3868.4	3864.4	3858.4	3856.4	3866.4	3856.4	3810.6	3828.5	3830.5	3844.5
5°	3854.4	3860.4	3856.4	3852.4	3846.5	3858.4	3846.5	3798.6	3816.6	3818.6	3832.5
7.5°	3894.3	3896.3	3896.3	3886.3	3870.4	3876.4	3860.4	3806.6	3816.6	3816.6	3826.5
10°	3994.0	3998.0	4004.0	3978.1	3958.1	3942.2	3920.2	3854.4	3852.4	3836.5	3836.5
12.5°	4123.6	4113.7	4103.7	4091.7	4075.8	4055.8	4023.9	3946.2	3920.2	3894.3	3868.4
15°	4161.5	4157.5	4155.5	4149.6	4139.6	4133.6	4109.7	4031.9	3994.0	3962.1	3916.3
17.5°	4061.8	4069.8	4095.7	4097.7	4109.7	4133.6	4129.6	4075.8	4041.9	4027.9	3972.1
20°	3882.4	3884.4	3916.3	3930.2	3982.1	4021.9	4051.9	4045.9	4037.9	4053.8	4012.0
22.5°	3667.0	3681.0	3714.9	3736.8	3786.6	3832.5	3880.4	3906.3	3948.2	4014.0	4006.0
25°	3373.9	3391.8	3439.7	3475.6	3545.4	3615.2	3679.0	3724.8	3774.7	3900.3	3942.2
27.5°	3022.9	3050.9	3112.7	3148.6	3246.3	3318.1	3409.8	3499.5	3569.3	3712.9	3798.6
30°	2654.0	2678.0	2743.8	2793.6	2877.4	2975.1	3090.7	3218.4	3334.0	3479.6	3587.2
32.5°	2309.1	2335.0	2388.8	2432.7	2526.4	2608.2	2735.8	2893.3	3001.0	3202.4	3346.0
35°	2008.0	2031.9	2069.8	2107.7	2185.4	2269.2	2378.9	2532.4	2670.0	2879.4	3060.8
37.5°	1796.6	1800.6	1822.5	1844.5	1902.3	1966.1	2051.8	2187.4	2315.1	2540.4	2739.8
40°	1645.1	1645.1	1657.0	1663.0	1688.9	1726.8	1780.7	1886.3	1992.0	2163.5	2406.8
42.5°	1551.3	1547.4	1547.4	1549.4	1547.4	1565.3	1597.2	1647.1	1740.8	1882.4	2071.8
45°	1481.6	1473.6	1467.6	1453.6	1445.7	1445.7	1447.7	1465.6	1519.4	1611.2	1764.7
47.5°	1403.8	1401.8	1391.8	1375.9	1361.9	1351.9	1336.0	1330.0	1346.0	1397.8	1501.5
50°	1314.1	1304.1	1294.1	1282.2	1266.2	1256.2	1226.3	1228.3	1214.4	1238.3	1292.1
52.5°	1182.5	1174.5	1170.5	1160.5	1154.5	1150.6	1126.6	1102.7	1096.7	1100.7	1120.6
55°	1036.9	1040.9	1024.9	1032.9	1030.9	1013.0	1003.0	985.0	979.1	977.1	987.0
57.5°	885.3	889.3	879.4	887.3	887.3	877.4	871.4	871.4	857.4	845.5	859.4
60°	747.8	739.8	745.8	755.7	755.7	749.8	745.8	745.8	735.8	731.8	741.8
62.5°	636.1	628.1	634.1	644.1	646.1	642.1	638.1	638.1	626.1	626.1	634.1
65°	550.3	552.3	550.3	558.3	558.3	560.3	556.3	552.3	538.4	544.4	542.4
67.5°	488.5	486.5	486.5	494.5	492.5	496.5	492.5	486.5	476.6	468.6	466.6
70°	436.7	434.7	434.7	438.7	440.7	440.7	438.7	434.7	420.7	412.8	406.8
72.5°	390.8	388.8	390.8	392.8	394.8	396.8	394.8	390.8	378.9	368.9	358.9
75°	349.0	347.0	352.9	352.9	354.9	354.9	356.9	354.9	345.0	333.0	321.0
77.5°	307.1	309.1	315.1	317.0	321.0	323.0	325.0	325.0	315.1	305.1	289.1
80°	273.2	277.2	281.2	283.2	287.1	293.1	295.1	297.1	289.1	279.2	261.2
82.5°	249.3	251.2	255.2	257.2	263.2	265.2	267.2	271.2	267.2	257.2	237.3
85°	229.3	231.3	235.3	235.3	239.3	243.3	245.3	247.3	245.3	235.3	215.4
87.5°	211.4	213.4	215.4	217.3	219.3	221.3	223.3	225.3	223.3	213.4	195.4
90°	195.4	195.4	197.4	197.4	199.4	201.4	205.4	205.4	203.4	195.4	177.5
92.5°	177.5	179.5	179.5	181.5	183.4	185.4	187.4	187.4	185.4	177.5	161.5
95°	165.5	165.5	167.5	167.5	169.5	169.5	171.5	171.5	169.5	161.5	145.6
97.5°	151.5	151.5	151.5	151.5	153.5	153.5	155.5	155.5	153.5	145.6	131.6
100°	139.6	139.6	139.6	139.6	139.6	141.6	141.6	141.6	139.6	131.6	117.6
102.5°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	125.6	119.6	105.7
105°	123.6	123.6	123.6	121.6	121.6	121.6	119.6	119.6	113.7	107.7	95.7
107.5°	115.7	115.7	115.7	113.7	113.7	111.7	109.7	109.7	103.7	97.7	85.7
110°	109.7	109.7	109.7	107.7	105.7	103.7	101.7	99.7	93.7	85.7	75.8





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	103.7	103.7	101.7	101.7	99.7	97.7	93.7	91.7	85.7	77.8	67.8
115°	95.7	95.7	95.7	93.7	91.7	89.7	87.7	83.7	77.8	69.8	59.8
117.5°	87.7	87.7	87.7	85.7	83.7	81.8	79.8	75.8	69.8	61.8	53.8
120°	79.8	79.8	79.8	77.8	75.8	73.8	71.8	67.8	61.8	55.8	45.9
122.5°	73.8	73.8	71.8	69.8	67.8	65.8	63.8	59.8	55.8	47.9	39.9
125°	65.8	65.8	63.8	63.8	61.8	59.8	57.8	53.8	47.9	41.9	35.9
127.5°	59.8	57.8	57.8	57.8	55.8	53.8	49.9	47.9	41.9	35.9	29.9
130°	51.8	51.8	51.8	49.9	49.9	47.9	43.9	39.9	35.9	31.9	25.9
132.5°	45.9	45.9	45.9	45.9	43.9	41.9	37.9	35.9	31.9	25.9	21.9
135°	41.9	41.9	39.9	39.9	37.9	35.9	33.9	29.9	25.9	21.9	17.9
137.5°	35.9	35.9	35.9	33.9	33.9	31.9	27.9	25.9	23.9	19.9	16.0
140°	31.9	31.9	29.9	29.9	27.9	27.9	25.9	21.9	19.9	16.0	14.0
142.5°	27.9	27.9	25.9	25.9	23.9	23.9	21.9	19.9	16.0	14.0	10.0
145°	23.9	23.9	21.9	21.9	21.9	19.9	17.9	16.0	14.0	12.0	10.0
147.5°	19.9	19.9	19.9	17.9	17.9	16.0	16.0	14.0	12.0	10.0	8.0
150°	17.9	17.9	16.0	16.0	16.0	14.0	12.0	12.0	10.0	8.0	6.0
152.5°	14.0	14.0	14.0	14.0	12.0	12.0	10.0	10.0	8.0	6.0	6.0
155°	12.0	12.0	12.0	10.0	10.0	10.0	8.0	8.0	6.0	6.0	4.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4	3860.4
2.5°	3838.5	3836.5	3854.4	3852.4	3828.5	3864.4	3888.3
5°	3828.5	3826.5	3842.5	3846.5	3820.5	3858.4	3884.4
7.5°	3820.5	3818.6	3836.5	3842.5	3816.6	3850.5	3878.4
10°	3822.5	3812.6	3828.5	3832.5	3808.6	3844.5	3868.4
12.5°	3836.5	3812.6	3818.6	3818.6	3796.6	3828.5	3854.4
15°	3870.4	3820.5	3812.6	3806.6	3778.7	3808.6	3834.5
17.5°	3908.3	3840.5	3812.6	3792.6	3758.7	3784.7	3812.6
20°	3946.2	3862.4	3816.6	3784.7	3738.8	3762.7	3782.7
22.5°	3964.1	3882.4	3820.5	3772.7	3714.9	3726.8	3748.8
25°	3940.2	3874.4	3812.6	3754.7	3685.0	3686.9	3704.9
27.5°	3852.4	3834.5	3794.6	3736.8	3661.0	3651.1	3665.0
30°	3702.9	3752.7	3754.7	3712.9	3633.1	3613.2	3619.1
32.5°	3493.5	3605.2	3671.0	3663.0	3593.2	3565.3	3569.3
35°	3252.2	3391.8	3535.4	3583.3	3533.4	3511.5	3503.5
37.5°	2963.1	3150.6	3342.0	3459.6	3451.7	3437.7	3429.7
40°	2644.1	2869.4	3096.7	3284.2	3342.0	3342.0	3346.0
42.5°	2303.1	2566.3	2815.6	3052.8	3188.4	3218.4	3230.3
45°	1974.1	2239.3	2510.5	2783.7	2965.1	3058.8	3092.7
47.5°	1675.0	1942.2	2199.4	2498.5	2739.8	2861.4	2915.3
50°	1419.7	1619.1	1890.3	2187.4	2450.7	2600.2	2705.9
52.5°	1208.4	1363.9	1601.2	1878.4	2143.6	2349.0	2446.7
55°	1030.9	1136.6	1338.0	1577.3	1830.5	2043.9	2157.5
57.5°	881.4	965.1	1102.7	1302.1	1515.5	1726.8	1848.5
60°	749.8	807.6	901.3	1058.8	1240.3	1421.7	1539.4
62.5°	636.1	674.0	735.8	851.4	993.0	1134.6	1244.3
65°	548.4	564.3	598.2	670.0	777.7	885.3	979.1
67.5°	462.6	472.6	498.5	542.4	596.2	674.0	735.8
70°	398.8	398.8	400.8	426.7	454.6	504.5	548.4
72.5°	347.0	341.0	329.0	335.0	341.0	368.9	396.8
75°	305.1	291.1	271.2	263.2	259.2	263.2	279.2
77.5°	269.2	249.3	225.3	205.4	189.4	183.4	197.4
80°	239.3	215.4	187.4	161.5	135.6	121.6	127.6
82.5°	215.4	185.4	155.5	125.6	95.7	75.8	75.8
85°	189.4	161.5	129.6	97.7	67.8	41.9	37.9
87.5°	171.5	141.6	107.7	77.8	47.9	21.9	12.0
90°	153.5	123.6	91.7	61.8	33.9	10.0	0.0
92.5°	137.6	109.7	79.8	49.9	23.9	6.0	0.0
95°	123.6	97.7	67.8	41.9	19.9	4.0	2.0
97.5°	109.7	85.7	59.8	33.9	14.0	4.0	2.0
100°	99.7	75.8	51.8	27.9	12.0	2.0	2.0
102.5°	87.7	67.8	43.9	23.9	10.0	2.0	2.0
105°	77.8	59.8	37.9	19.9	8.0	2.0	2.0
107.5°	69.8	51.8	33.9	17.9	8.0	2.0	2.0
110°	61.8	45.9	29.9	16.0	6.0	2.0	2.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	55.8	39.9	25.9	14.0	4.0	2.0	2.0
115°	47.9	35.9	21.9	12.0	4.0	2.0	2.0
117.5°	41.9	29.9	19.9	10.0	4.0	2.0	2.0
120°	35.9	25.9	16.0	8.0	2.0	2.0	2.0
122.5°	31.9	21.9	14.0	8.0	2.0	2.0	2.0
125°	27.9	19.9	12.0	6.0	2.0	2.0	2.0
127.5°	23.9	16.0	10.0	4.0	2.0	2.0	2.0
130°	19.9	14.0	8.0	4.0	2.0	2.0	2.0
132.5°	16.0	12.0	8.0	4.0	2.0	2.0	2.0
135°	14.0	10.0	6.0	4.0	2.0	2.0	2.0
137.5°	12.0	8.0	4.0	4.0	4.0	2.0	2.0
140°	10.0	6.0	4.0	4.0	4.0	4.0	2.0
142.5°	8.0	6.0	4.0	4.0	4.0	4.0	2.0
145°	6.0	4.0	4.0	4.0	4.0	4.0	2.0
147.5°	6.0	4.0	4.0	4.0	4.0	4.0	2.0
150°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
155°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)