

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-L940-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-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

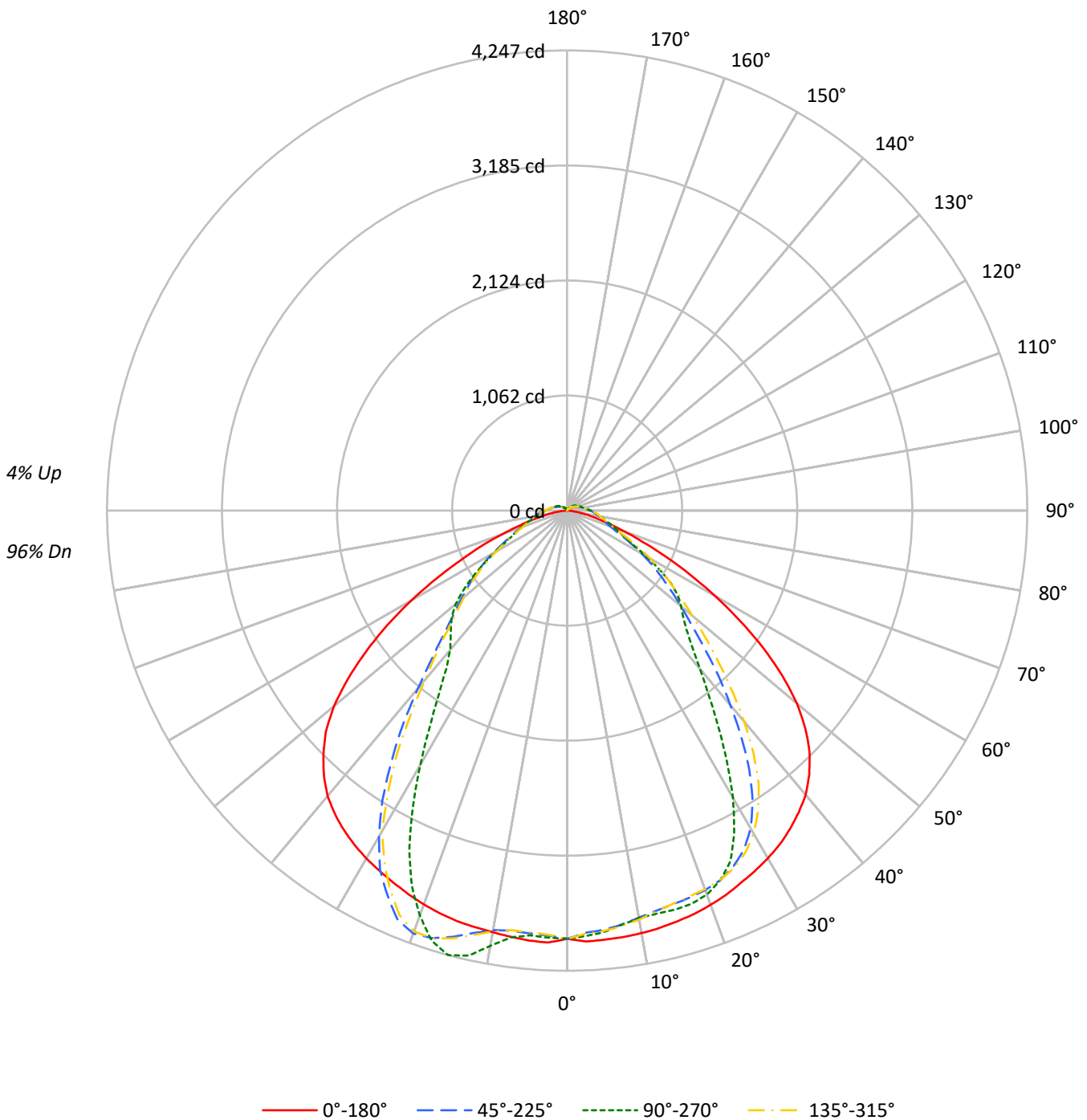
Lumens per Lamp: N/A  
Luminaire Lumens: 9420.0 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (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	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°	15966	15966	15966	15966
5°	16104	15333	16137	15453
10°	16201	14695	16168	15693
15°	16350	14499	16341	16143
20°	16554	14269	16537	15041
25°	16785	13536	16775	13079
30°	17129	11732	17138	10394
35°	17497	9487	17547	8028
40°	17831	7638	17905	6729
45°	17811	6470	17903	6300
50°	17092	5957	17331	5824
55°	15217	5354	15597	4867
60°	12398	4098	13056	3758
65°	9271	3135	9988	2973
70°	6358	2707	7167	2587
75°	4214	2442	4908	2309
80°	2791	2277	3272	2095
85°	1526	2271	2006	2075



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.3	4.0
10°-20°	1116.8	11.9
20°-30°	1697.8	18.0
30°-40°	1821.3	19.3
40°-50°	1580.7	16.8
50°-60°	1171.5	12.4
60°-70°	671.2	7.1
70°-80°	371.7	3.9
80°-90°	226.3	2.4
90°-100°	147.2	1.6
100°-110°	98.6	1.0
110°-120°	66.6	0.7
120°-130°	40.8	0.4
130°-140°	21.5	0.2
140°-150°	9.8	0.1
150°-160°	2.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3189.9	33.9
0°-40°	5011.3	53.2
0°-60°	7763.5	82.4
0°-90°	9032.7	95.9
90°-120°	312.3	3.3
90°-150°	384.4	4.1
90°-180°	387.0	4.1
0°-180°	9420.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3952	3952	3952	3952	3952	
5°	3976	3904	3984	3935	3976	379
15°	3925	3815	3923	4247	3925	1111
25°	3792	3568	3790	3447	3792	1753
35°	3586	2429	3596	2055	3586	2245
45°	3166	1557	3182	1516	3166	2424
55°	2208	1168	2264	1061	2208	1958
65°	1002	592	1080	561	1002	1010
75°	286	376	333	355	286	326
85°	39	259	51	237	39	51
90°	0	216	4	200	0	2
95°	2	178	0	169	2	1
105°	2	133	2	126	2	2
115°	2	108	2	98	2	2
125°	2	82	2	67	2	2
135°	2	51	2	43	2	2
145°	2	31	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-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5
2.5°	3980.0	3969.8	3965.7	3957.6	3963.7	3988.2	3971.9	3945.3	3947.4	3900.4	3924.9
5°	3975.9	3963.7	3957.6	3949.4	3953.5	3975.9	3959.6	3933.1	3931.0	3884.1	3906.5
7.5°	3969.8	3957.6	3947.4	3941.2	3943.3	3961.7	3941.2	3910.6	3904.5	3853.5	3873.9
10°	3959.6	3951.5	3937.2	3927.0	3924.9	3945.3	3912.7	3882.1	3867.8	3814.7	3835.1
12.5°	3945.3	3933.1	3918.8	3900.4	3898.4	3910.6	3884.1	3841.2	3826.9	3784.1	3806.5
15°	3924.9	3910.6	3894.3	3873.9	3863.7	3871.9	3839.2	3800.4	3798.4	3761.6	3792.3
17.5°	3902.5	3882.1	3863.7	3835.1	3820.8	3826.9	3800.4	3765.7	3769.8	3747.3	3782.0
20°	3871.9	3849.4	3820.8	3792.3	3771.8	3782.0	3763.7	3737.1	3743.3	3726.9	3757.6
22.5°	3837.2	3806.5	3771.8	3739.2	3722.9	3737.1	3722.9	3700.4	3702.4	3692.2	3710.6
25°	3792.3	3757.6	3716.7	3675.9	3667.7	3678.0	3669.8	3651.4	3643.3	3626.9	3635.1
27.5°	3751.4	3712.6	3661.6	3618.8	3604.5	3624.9	3606.5	3575.9	3553.4	3531.0	3514.7
30°	3704.5	3657.5	3600.4	3551.4	3539.2	3547.3	3520.8	3473.8	3414.7	3386.1	3341.2
32.5°	3653.5	3592.2	3520.8	3465.7	3457.5	3451.4	3402.4	3335.1	3243.2	3186.1	3116.7
35°	3586.1	3518.8	3433.0	3365.7	3353.4	3318.7	3239.1	3149.3	3030.9	2933.0	2814.6
37.5°	3510.6	3431.0	3341.2	3251.4	3216.7	3147.3	3035.0	2941.1	2761.5	2643.1	2500.3
40°	3424.9	3328.9	3218.7	3110.5	3053.4	2941.1	2812.6	2673.8	2500.3	2341.1	2220.7
42.5°	3306.5	3204.4	3073.8	2953.4	2855.4	2706.4	2555.4	2359.4	2200.2	2065.5	1943.1
45°	3165.7	3043.2	2892.2	2747.2	2622.7	2445.2	2267.6	2071.7	1939.0	1781.8	1698.1
47.5°	2984.0	2851.3	2690.1	2528.8	2365.6	2169.6	1983.9	1796.1	1663.4	1551.2	1490.0
50°	2769.7	2647.2	2469.7	2277.8	2098.2	1894.1	1708.3	1567.5	1438.9	1369.5	1322.6
52.5°	2504.4	2390.1	2208.4	2000.2	1826.7	1626.7	1457.3	1343.0	1251.2	1200.1	1183.8
55°	2208.4	2108.4	1928.8	1734.9	1557.3	1373.6	1245.0	1145.0	1085.8	1055.2	1057.3
57.5°	1892.0	1814.5	1645.1	1471.6	1304.2	1165.4	1049.1	969.5	924.6	922.5	928.7
60°	1575.7	1518.5	1371.6	1222.6	1075.6	963.4	877.6	822.5	794.0	796.0	794.0
62.5°	1273.6	1220.5	1114.4	991.9	875.6	800.1	722.5	700.1	675.6	673.5	673.5
65°	1002.2	961.3	875.6	787.8	700.1	651.1	612.3	585.8	567.4	563.3	565.4
67.5°	753.1	736.8	677.6	618.4	563.3	532.7	500.1	493.9	479.6	479.6	483.7
70°	561.3	549.0	516.4	481.7	459.2	438.8	422.5	422.5	420.5	418.4	428.6
72.5°	406.2	408.2	398.0	371.5	369.4	365.3	361.3	367.4	369.4	375.6	387.8
75°	285.7	291.9	291.9	287.8	296.0	306.2	312.3	322.5	334.7	342.9	357.2
77.5°	202.1	202.1	212.3	224.5	240.8	259.2	275.5	289.8	306.2	316.4	328.6
80°	130.6	136.7	153.1	175.5	198.0	222.5	244.9	263.3	279.6	296.0	304.1
82.5°	77.6	87.8	108.2	136.7	165.3	195.9	218.4	240.8	259.2	275.5	281.7
85°	38.8	53.1	77.6	108.2	138.8	171.4	200.0	220.4	240.8	255.1	263.3
87.5°	12.2	28.6	55.1	83.7	116.3	149.0	179.6	202.1	220.4	232.7	240.8
90°	0.0	14.3	38.8	69.4	100.0	132.7	161.2	185.7	204.1	214.3	220.4
92.5°	0.0	8.2	30.6	57.1	85.7	118.4	147.0	169.4	185.7	195.9	200.0
95°	2.0	6.1	22.5	46.9	75.5	106.1	132.7	153.1	169.4	179.6	181.7
97.5°	2.0	4.1	18.4	38.8	65.3	93.9	120.4	140.8	153.1	163.3	165.3
100°	2.0	4.1	14.3	34.7	57.1	83.7	108.2	126.5	140.8	149.0	151.0
102.5°	2.0	2.0	12.2	28.6	51.0	73.5	95.9	114.3	126.5	134.7	138.8
105°	2.0	2.0	10.2	24.5	44.9	65.3	85.7	104.1	114.3	122.5	126.5
107.5°	2.0	2.0	8.2	20.4	38.8	57.1	77.6	91.8	104.1	112.3	116.3
110°	2.0	2.0	6.1	18.4	32.7	51.0	67.4	81.6	93.9	102.1	106.1



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.0	2.0	6.1	16.3	28.6	44.9	59.2	73.5	83.7	91.8	98.0
115°	2.0	2.0	6.1	14.3	26.5	38.8	53.1	65.3	75.5	83.7	89.8
117.5°	2.0	2.0	6.1	12.2	22.5	34.7	46.9	59.2	67.4	75.5	81.6
120°	2.0	2.0	4.1	10.2	20.4	30.6	40.8	51.0	61.2	69.4	75.5
122.5°	2.0	2.0	4.1	10.2	16.3	26.5	36.7	44.9	55.1	61.2	67.4
125°	2.0	2.0	4.1	8.2	14.3	24.5	32.7	40.8	46.9	55.1	61.2
127.5°	2.0	2.0	4.1	8.2	12.2	20.4	28.6	36.7	42.9	49.0	53.1
130°	2.0	2.0	4.1	6.1	10.2	16.3	24.5	30.6	38.8	42.9	46.9
132.5°	2.0	2.0	2.0	6.1	8.2	12.2	18.4	26.5	32.7	38.8	40.8
135°	2.0	2.0	2.0	4.1	8.2	10.2	14.3	20.4	26.5	32.7	36.7
137.5°	2.0	2.0	2.0	4.1	6.1	10.2	12.2	16.3	22.5	26.5	32.7
140°	2.0	2.0	2.0	4.1	6.1	8.2	10.2	14.3	18.4	22.5	26.5
142.5°	2.0	2.0	2.0	4.1	4.1	6.1	8.2	12.2	14.3	18.4	22.5
145°	2.0	2.0	2.0	4.1	4.1	6.1	8.2	10.2	12.2	14.3	18.4
147.5°	2.0	2.0	2.0	4.1	4.1	4.1	6.1	8.2	10.2	12.2	14.3
150°	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1	8.2	10.2	12.2
152.5°	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1	6.1	8.2	10.2
155°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1	8.2	8.2
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°	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5
2.5°	3916.8	3920.8	3945.3	3943.3	3939.2	3935.1	3935.1	3931.0	3935.1	3945.3	3941.2
5°	3896.3	3902.5	3920.8	3918.8	3914.7	3912.7	3910.6	3904.5	3908.6	3922.9	3918.8
7.5°	3859.6	3865.7	3882.1	3873.9	3867.8	3871.9	3861.6	3855.5	3863.7	3878.0	3875.9
10°	3820.8	3824.9	3845.3	3841.2	3831.0	3833.1	3822.9	3818.8	3829.0	3837.2	3839.2
12.5°	3794.3	3808.6	3826.9	3824.9	3822.9	3824.9	3814.7	3810.6	3816.7	3824.9	3822.9
15°	3788.2	3806.5	3826.9	3826.9	3829.0	3831.0	3820.8	3814.7	3820.8	3826.9	3824.9
17.5°	3782.0	3804.5	3822.9	3820.8	3822.9	3826.9	3810.6	3806.5	3814.7	3822.9	3818.8
20°	3761.6	3782.0	3794.3	3790.2	3790.2	3792.3	3771.8	3771.8	3784.1	3790.2	3792.3
22.5°	3704.5	3729.0	3729.0	3718.8	3718.8	3710.6	3704.5	3692.2	3706.5	3716.7	3724.9
25°	3618.8	3629.0	3616.7	3594.3	3582.0	3571.8	3543.2	3567.7	3567.7	3598.4	3608.6
27.5°	3498.3	3475.9	3441.2	3394.2	3384.0	3351.4	3333.0	3339.1	3349.3	3392.2	3424.9
30°	3300.4	3233.0	3173.8	3153.4	3108.5	3075.8	3043.2	3059.5	3077.9	3102.4	3169.7
32.5°	3039.1	2973.8	2877.9	2843.2	2796.2	2755.4	2716.6	2741.1	2773.8	2790.1	2863.6
35°	2739.1	2661.5	2573.7	2514.6	2465.6	2443.1	2394.1	2428.8	2463.5	2475.8	2539.1
37.5°	2420.7	2341.1	2263.5	2212.5	2165.5	2151.3	2118.6	2143.1	2169.6	2188.0	2241.1
40°	2118.6	2045.1	1985.9	1951.2	1918.6	1906.3	1894.1	1904.3	1924.7	1939.0	1979.8
42.5°	1859.4	1800.2	1759.4	1739.0	1716.5	1700.2	1702.2	1706.3	1716.5	1747.1	1765.5
45°	1632.8	1598.1	1571.6	1567.5	1553.2	1551.2	1549.1	1557.3	1563.4	1581.8	1596.1
47.5°	1451.2	1436.9	1430.8	1438.9	1445.1	1436.9	1441.0	1451.2	1463.4	1463.4	1461.4
50°	1308.3	1312.4	1320.6	1338.9	1351.2	1355.2	1359.3	1371.6	1373.6	1377.7	1371.6
52.5°	1192.0	1196.0	1218.5	1247.1	1261.4	1267.5	1275.6	1287.9	1287.9	1292.0	1283.8
55°	1073.6	1079.7	1102.2	1130.7	1143.0	1151.1	1159.3	1167.5	1173.6	1181.8	1175.6
57.5°	943.0	961.3	975.6	983.8	991.9	998.1	1004.2	1006.2	1018.5	1020.5	1030.7
60°	804.2	808.3	822.5	820.5	814.4	830.7	822.5	836.8	851.1	869.5	871.5
62.5°	671.5	673.5	683.7	679.7	687.8	685.8	691.9	691.9	702.1	710.3	720.5
65°	567.4	569.4	577.6	577.6	575.6	581.7	587.8	591.9	591.9	598.0	606.2
67.5°	489.8	496.0	504.1	508.2	512.3	512.3	518.4	520.5	524.5	526.6	530.7
70°	436.8	444.9	453.1	457.2	459.2	463.3	465.4	465.4	469.4	471.5	475.6
72.5°	398.0	406.2	412.3	412.3	416.4	418.4	418.4	420.5	422.5	426.6	430.7
75°	365.3	371.5	375.6	373.5	373.5	373.5	375.6	375.6	379.6	383.7	387.8
77.5°	334.7	340.9	340.9	336.8	336.8	336.8	336.8	338.8	340.9	344.9	349.0
80°	312.3	312.3	310.2	310.2	306.2	304.1	304.1	306.2	306.2	310.2	316.4
82.5°	287.8	287.8	285.7	283.7	281.7	279.6	279.6	281.7	283.7	285.7	289.8
85°	265.3	265.3	261.3	261.3	259.2	259.2	259.2	259.2	261.3	263.3	267.4
87.5°	242.9	240.8	238.8	236.8	236.8	236.8	236.8	236.8	238.8	242.9	244.9
90°	220.4	218.4	216.4	216.4	214.3	214.3	216.4	216.4	218.4	220.4	222.5
92.5°	200.0	198.0	195.9	195.9	193.9	193.9	195.9	193.9	198.0	198.0	200.0
95°	181.7	179.6	177.6	177.6	177.6	177.6	177.6	177.6	179.6	179.6	181.7
97.5°	165.3	163.3	161.2	161.2	163.3	161.2	163.3	163.3	163.3	165.3	167.4
100°	151.0	149.0	149.0	151.0	149.0	149.0	151.0	151.0	151.0	151.0	153.1
102.5°	138.8	138.8	138.8	138.8	138.8	138.8	140.8	140.8	140.8	140.8	142.9
105°	126.5	128.6	128.6	128.6	130.6	130.6	130.6	132.7	132.7	132.7	132.7
107.5°	118.4	120.4	120.4	122.5	122.5	124.5	124.5	124.5	124.5	126.5	126.5
110°	110.2	112.3	114.3	116.3	116.3	118.4	118.4	118.4	118.4	118.4	118.4





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	102.1	104.1	106.1	110.2	112.3	112.3	112.3	112.3	114.3	114.3	112.3
115°	93.9	98.0	100.0	104.1	106.1	106.1	108.2	108.2	108.2	108.2	106.1
117.5°	85.7	91.8	93.9	98.0	100.0	100.0	102.1	102.1	102.1	102.1	100.0
120°	79.6	83.7	87.8	89.8	91.8	93.9	93.9	95.9	95.9	95.9	93.9
122.5°	73.5	77.6	81.6	83.7	85.7	87.8	87.8	87.8	87.8	87.8	87.8
125°	65.3	69.4	73.5	75.5	77.6	79.6	79.6	81.6	81.6	81.6	79.6
127.5°	59.2	63.3	65.3	69.4	71.4	71.4	73.5	73.5	73.5	73.5	71.4
130°	51.0	55.1	59.2	61.2	63.3	63.3	65.3	65.3	65.3	65.3	65.3
132.5°	44.9	49.0	51.0	55.1	55.1	57.1	57.1	59.2	59.2	59.2	57.1
135°	40.8	42.9	44.9	49.0	49.0	51.0	51.0	51.0	51.0	51.0	51.0
137.5°	36.7	38.8	40.8	42.9	42.9	44.9	44.9	44.9	44.9	46.9	44.9
140°	30.6	34.7	36.7	36.7	38.8	38.8	38.8	40.8	40.8	40.8	38.8
142.5°	26.5	28.6	30.6	32.7	34.7	34.7	34.7	34.7	36.7	34.7	34.7
145°	20.4	24.5	26.5	28.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
147.5°	16.3	18.4	22.5	24.5	24.5	26.5	26.5	26.5	26.5	26.5	26.5
150°	14.3	14.3	18.4	20.4	22.5	22.5	22.5	22.5	22.5	22.5	22.5
152.5°	10.2	12.2	14.3	16.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4
155°	10.2	10.2	12.2	12.2	14.3	14.3	14.3	14.3	16.3	14.3	14.3
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5
2.5°	3935.1	3933.1	3941.2	3933.1	3892.3	3908.6	3902.5	3924.9	3927.0	3933.1	3953.5
5°	3914.7	3914.7	3924.9	3916.8	3878.0	3894.3	3892.3	3914.7	3918.8	3922.9	3945.3
7.5°	3873.9	3875.9	3890.2	3884.1	3843.3	3867.8	3865.7	3892.3	3900.4	3908.6	3929.0
10°	3835.1	3833.1	3849.4	3843.3	3804.5	3833.1	3831.0	3857.6	3869.8	3884.1	3908.6
12.5°	3814.7	3808.6	3814.7	3808.6	3765.7	3788.2	3790.2	3820.8	3835.1	3853.5	3882.1
15°	3814.7	3804.5	3804.5	3792.3	3743.3	3757.6	3759.6	3780.0	3798.4	3816.7	3851.4
17.5°	3810.6	3800.4	3798.4	3788.2	3735.1	3735.1	3733.1	3747.3	3757.6	3775.9	3812.7
20°	3788.2	3784.1	3782.0	3775.9	3726.9	3718.8	3714.7	3714.7	3720.8	3726.9	3763.7
22.5°	3729.0	3733.1	3737.1	3741.2	3702.4	3688.2	3690.2	3686.1	3680.0	3680.0	3710.6
25°	3618.8	3639.2	3655.5	3673.9	3651.4	3641.2	3653.5	3647.3	3637.1	3629.0	3655.5
27.5°	3443.2	3486.1	3520.8	3565.7	3567.7	3559.6	3592.2	3588.1	3586.1	3573.9	3594.3
30°	3200.3	3267.7	3314.6	3380.0	3435.1	3443.2	3498.3	3506.5	3514.7	3508.5	3529.0
32.5°	2906.4	2998.3	3077.9	3179.9	3233.0	3279.9	3357.5	3390.2	3422.8	3433.0	3455.5
35°	2586.0	2690.1	2784.0	2896.2	2979.9	3082.0	3175.9	3224.8	3298.3	3326.9	3359.5
37.5°	2281.9	2379.9	2471.7	2584.0	2718.7	2824.8	2941.1	3051.4	3151.4	3192.2	3241.2
40°	2012.5	2092.1	2179.8	2277.8	2400.3	2539.1	2665.6	2818.7	2937.1	3018.7	3090.1
42.5°	1808.4	1847.1	1922.7	2010.4	2108.4	2249.2	2377.8	2549.3	2692.1	2808.5	2926.8
45°	1626.7	1645.1	1700.2	1747.1	1847.1	1971.6	2108.4	2275.8	2424.8	2573.7	2716.6
47.5°	1471.6	1494.0	1520.6	1549.1	1620.6	1724.7	1843.1	1994.1	2143.1	2316.6	2479.9
50°	1367.5	1373.6	1377.7	1389.9	1432.8	1504.2	1600.2	1728.8	1871.6	2057.4	2230.9
52.5°	1275.6	1275.6	1263.4	1257.3	1273.6	1318.5	1373.6	1465.5	1612.4	1783.9	1967.6
55°	1177.7	1159.3	1155.2	1134.8	1138.9	1159.3	1185.8	1257.3	1377.7	1524.7	1702.2
57.5°	1040.9	1032.8	1032.8	1024.6	1008.3	1018.5	1024.6	1075.6	1161.4	1287.9	1443.0
60°	883.8	879.7	889.9	891.9	877.6	883.8	881.7	912.3	973.6	1075.6	1204.2
62.5°	726.6	745.0	747.0	755.2	747.0	745.0	755.2	781.7	812.3	889.9	989.9
65°	610.3	620.5	622.5	632.7	628.6	628.6	636.8	657.2	675.6	728.7	806.2
67.5°	534.8	530.7	532.7	538.8	532.7	530.7	536.8	549.0	563.3	596.0	651.1
70°	475.6	471.5	471.5	471.5	463.3	457.2	459.2	463.3	469.4	487.8	522.5
72.5°	430.7	430.7	424.5	418.4	412.3	408.2	404.1	400.0	398.0	404.1	422.5
75°	389.8	391.9	389.8	383.7	375.6	367.4	359.2	351.1	340.9	336.8	338.8
77.5°	353.1	355.1	357.2	355.1	347.0	336.8	324.5	312.3	298.0	283.7	275.5
80°	320.4	324.5	326.6	324.5	318.4	310.2	296.0	281.7	261.3	242.9	222.5
82.5°	291.9	298.0	300.0	300.0	296.0	287.8	271.5	255.1	232.7	208.2	181.7
85°	269.4	273.5	277.6	277.6	275.5	267.4	251.0	232.7	210.2	181.7	153.1
87.5°	247.0	249.0	253.1	257.2	253.1	244.9	230.6	210.2	187.8	159.2	126.5
90°	224.5	226.6	230.6	234.7	232.7	224.5	212.3	193.9	169.4	138.8	106.1
92.5°	202.1	206.1	208.2	210.2	212.3	206.1	195.9	177.6	153.1	122.5	91.8
95°	185.7	185.7	189.8	191.9	193.9	187.8	179.6	161.2	138.8	110.2	79.6
97.5°	169.4	169.4	173.5	173.5	175.5	171.4	163.3	147.0	124.5	98.0	67.4
100°	153.1	155.1	157.2	159.2	159.2	157.2	149.0	132.7	112.3	87.8	59.2
102.5°	142.9	142.9	144.9	144.9	147.0	142.9	134.7	120.4	100.0	77.6	51.0
105°	132.7	132.7	134.7	134.7	132.7	128.6	120.4	108.2	89.8	67.4	44.9
107.5°	124.5	124.5	124.5	124.5	122.5	118.4	110.2	95.9	79.6	61.2	40.8
110°	118.4	116.3	116.3	114.3	112.3	106.1	98.0	85.7	71.4	53.1	34.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	112.3	110.2	108.2	106.1	102.1	95.9	87.8	77.6	63.3	46.9	30.6
115°	106.1	104.1	102.1	98.0	93.9	87.8	79.6	69.4	55.1	40.8	26.5
117.5°	100.0	98.0	93.9	89.8	85.7	79.6	71.4	61.2	49.0	36.7	24.5
120°	91.8	89.8	87.8	83.7	79.6	71.4	63.3	55.1	42.9	32.7	20.4
122.5°	85.7	83.7	79.6	77.6	71.4	65.3	57.1	49.0	38.8	28.6	18.4
125°	77.6	75.5	73.5	69.4	65.3	57.1	51.0	42.9	34.7	24.5	14.3
127.5°	71.4	69.4	65.3	61.2	57.1	51.0	44.9	38.8	30.6	20.4	14.3
130°	63.3	61.2	59.2	55.1	51.0	44.9	40.8	32.7	26.5	18.4	12.2
132.5°	55.1	55.1	53.1	49.0	44.9	40.8	34.7	28.6	22.5	16.3	10.2
135°	51.0	49.0	46.9	42.9	40.8	34.7	30.6	24.5	18.4	14.3	8.2
137.5°	44.9	42.9	40.8	38.8	34.7	30.6	26.5	20.4	16.3	12.2	8.2
140°	38.8	36.7	36.7	32.7	30.6	26.5	22.5	18.4	14.3	10.2	6.1
142.5°	34.7	32.7	30.6	28.6	26.5	22.5	18.4	14.3	12.2	8.2	6.1
145°	30.6	28.6	26.5	24.5	22.5	18.4	16.3	12.2	10.2	8.2	6.1
147.5°	24.5	24.5	22.5	20.4	18.4	16.3	14.3	12.2	8.2	6.1	4.1
150°	20.4	20.4	18.4	16.3	16.3	14.3	12.2	10.2	8.2	6.1	4.1
152.5°	18.4	16.3	16.3	14.3	14.3	12.2	10.2	8.2	6.1	6.1	4.1
155°	14.3	14.3	14.3	12.2	12.2	10.2	8.2	8.2	6.1	4.1	4.1
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5
2.5°	3957.6	3933.1	3953.5	3990.2	3986.1	3982.1	3978.0	3986.1	4012.7	3998.4	3975.9
5°	3951.5	3927.0	3949.4	3984.1	3982.1	3975.9	3971.9	3980.0	4006.6	3992.3	3967.8
7.5°	3939.2	3916.8	3933.1	3967.8	3967.8	3963.7	3959.6	3967.8	3992.3	3980.0	3955.5
10°	3918.8	3902.5	3918.8	3951.5	3953.5	3945.3	3941.2	3951.5	3975.9	3969.8	3949.4
12.5°	3902.5	3886.1	3904.5	3937.2	3939.2	3931.0	3924.9	3937.2	3969.8	3973.9	3967.8
15°	3880.0	3865.7	3888.2	3922.9	3922.9	3916.8	3916.8	3933.1	3978.0	3996.4	4006.6
17.5°	3847.4	3837.2	3863.7	3898.4	3900.4	3896.3	3898.4	3931.0	3990.2	4035.1	4063.7
20°	3806.5	3802.5	3831.0	3867.8	3873.9	3875.9	3886.1	3935.1	4016.8	4078.0	4106.6
22.5°	3757.6	3759.6	3792.3	3831.0	3839.2	3845.3	3865.7	3935.1	4037.2	4102.5	4114.7
25°	3702.4	3708.6	3743.3	3790.2	3800.4	3812.7	3847.4	3937.2	4043.3	4086.2	4065.7
27.5°	3643.3	3655.5	3700.4	3749.4	3761.6	3782.0	3826.9	3924.9	4014.7	4016.8	3941.2
30°	3582.0	3596.3	3649.4	3706.5	3726.9	3747.3	3802.5	3896.3	3945.3	3880.0	3747.3
32.5°	3512.6	3533.0	3586.1	3655.5	3680.0	3706.5	3761.6	3841.2	3822.9	3682.0	3492.2
35°	3424.9	3453.4	3514.7	3596.3	3618.8	3653.5	3692.2	3710.6	3629.0	3428.9	3214.6
37.5°	3316.7	3359.5	3431.0	3524.9	3549.4	3571.8	3582.0	3531.0	3367.7	3151.4	2928.9
40°	3192.2	3257.5	3335.1	3439.2	3463.6	3463.6	3426.9	3318.7	3112.6	2828.9	2581.9
42.5°	3041.1	3120.7	3218.7	3322.8	3347.3	3318.7	3231.0	3041.1	2806.4	2490.1	2228.8
45°	2857.5	2963.6	3073.8	3182.0	3194.2	3131.0	2973.8	2733.0	2443.1	2149.2	1900.2
47.5°	2639.1	2777.9	2898.3	3020.7	3004.4	2898.3	2688.0	2414.5	2108.4	1830.8	1630.8
50°	2394.1	2557.4	2692.1	2808.5	2773.8	2626.8	2379.9	2094.1	1790.0	1553.2	1387.9
52.5°	2132.9	2320.7	2455.4	2549.3	2502.3	2326.8	2055.3	1781.8	1532.8	1316.5	1206.3
55°	1861.4	2051.2	2190.0	2263.5	2202.3	2012.5	1745.1	1496.1	1261.4	1120.5	1055.2
57.5°	1598.1	1775.7	1906.3	1965.5	1888.0	1698.1	1451.2	1241.0	1071.5	953.2	920.5
60°	1345.0	1490.0	1614.5	1659.4	1575.7	1400.2	1187.9	1020.5	896.0	814.4	798.0
62.5°	1110.3	1228.7	1326.7	1361.4	1279.7	1143.0	959.3	834.8	747.0	706.2	685.8
65°	916.4	985.8	1085.8	1079.7	1030.7	904.2	769.5	681.7	624.6	598.0	585.8
67.5°	720.5	783.8	847.0	855.2	794.0	706.2	618.4	555.2	524.5	510.3	504.1
70°	557.2	604.1	642.9	632.7	600.1	545.0	489.8	455.2	442.9	436.8	436.8
72.5°	432.7	457.2	475.6	463.3	442.9	414.3	387.8	373.5	375.6	379.6	383.7
75°	334.7	340.9	344.9	332.7	328.6	310.2	308.2	310.2	322.5	334.7	340.9
77.5°	257.2	249.0	242.9	230.6	232.7	230.6	240.8	257.2	275.5	293.9	310.2
80°	198.0	179.6	165.3	153.1	159.2	169.4	189.8	214.3	238.8	259.2	279.6
82.5°	153.1	126.5	106.1	93.9	106.1	122.5	149.0	179.6	208.2	230.6	253.1
85°	118.4	87.8	63.3	51.0	63.3	87.8	116.3	151.0	181.7	206.1	228.6
87.5°	91.8	63.3	34.7	20.4	34.7	61.2	93.9	126.5	157.2	185.7	208.2
90°	73.5	42.9	16.3	4.1	18.4	42.9	73.5	106.1	136.7	167.4	189.8
92.5°	59.2	30.6	8.2	0.0	10.2	32.7	61.2	91.8	122.5	151.0	173.5
95°	49.0	24.5	6.1	0.0	8.2	24.5	49.0	79.6	108.2	136.7	155.1
97.5°	40.8	18.4	4.1	0.0	4.1	20.4	40.8	67.4	95.9	122.5	140.8
100°	34.7	16.3	4.1	0.0	4.1	16.3	34.7	59.2	83.7	108.2	126.5
102.5°	28.6	12.2	2.0	2.0	2.0	12.2	30.6	51.0	73.5	95.9	114.3
105°	26.5	10.2	2.0	2.0	2.0	10.2	26.5	44.9	65.3	85.7	102.1
107.5°	22.5	8.2	2.0	2.0	2.0	8.2	22.5	38.8	59.2	77.6	91.8
110°	18.4	8.2	2.0	2.0	2.0	8.2	18.4	34.7	51.0	67.4	81.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	16.3	6.1	2.0	2.0	2.0	6.1	16.3	30.6	44.9	61.2	73.5
115°	14.3	6.1	2.0	2.0	2.0	6.1	14.3	26.5	38.8	53.1	65.3
117.5°	12.2	6.1	2.0	2.0	2.0	4.1	12.2	22.5	34.7	46.9	59.2
120°	10.2	4.1	2.0	2.0	2.0	4.1	10.2	20.4	30.6	40.8	51.0
122.5°	10.2	4.1	2.0	2.0	2.0	4.1	8.2	16.3	26.5	34.7	44.9
125°	8.2	4.1	2.0	2.0	2.0	2.0	8.2	14.3	22.5	30.6	38.8
127.5°	8.2	4.1	2.0	2.0	2.0	2.0	6.1	12.2	18.4	26.5	34.7
130°	6.1	4.1	2.0	2.0	2.0	2.0	4.1	10.2	16.3	22.5	28.6
132.5°	6.1	4.1	2.0	2.0	2.0	2.0	4.1	8.2	12.2	18.4	24.5
135°	6.1	2.0	2.0	2.0	2.0	2.0	2.0	6.1	10.2	14.3	18.4
137.5°	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	8.2	10.2	16.3
140°	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	6.1	8.2	12.2
142.5°	4.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	6.1	10.2
145°	4.1	2.0	2.0	4.1	4.1	2.0	2.0	4.1	4.1	6.1	8.2
147.5°	4.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	6.1
150°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1
152.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
155°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5
2.5°	3971.9	3924.9	3949.4	3941.2	3949.4	3969.8	3967.8	3961.7	3965.7	3955.5	3945.3
5°	3963.7	3916.8	3941.2	3931.0	3941.2	3961.7	3957.6	3951.5	3957.6	3945.3	3935.1
7.5°	3953.5	3910.6	3939.2	3937.2	3955.5	3982.1	3984.1	3984.1	3998.4	3980.0	3971.9
10°	3953.5	3931.0	3969.8	3984.1	4031.1	4065.7	4069.8	4078.0	4102.5	4098.4	4078.0
12.5°	3996.4	3992.3	4049.4	4084.1	4127.0	4176.0	4202.5	4210.7	4227.0	4214.7	4206.6
15°	4051.5	4071.9	4135.1	4173.9	4220.9	4257.6	4263.7	4267.8	4280.1	4261.7	4247.4
17.5°	4124.9	4137.2	4188.2	4204.5	4235.2	4241.3	4233.1	4212.7	4212.7	4171.9	4159.6
20°	4159.6	4153.5	4173.9	4147.4	4135.1	4098.4	4063.7	4024.9	4022.9	3980.0	3975.9
22.5°	4129.0	4088.2	4045.3	3980.0	3951.5	3898.4	3851.4	3829.0	3814.7	3759.6	3745.3
25°	4020.8	3920.8	3857.6	3780.0	3710.6	3649.4	3604.5	3557.5	3512.6	3467.7	3447.3
27.5°	3833.1	3739.2	3637.1	3529.0	3433.0	3339.1	3263.6	3216.7	3173.8	3114.6	3084.0
30°	3602.4	3471.8	3359.5	3255.5	3098.3	2984.0	2920.7	2826.8	2794.2	2767.6	2710.5
32.5°	3331.0	3173.8	3020.7	2879.9	2718.7	2612.5	2528.8	2459.5	2439.0	2369.6	2353.3
35°	3030.9	2824.8	2651.3	2512.5	2396.2	2267.6	2198.2	2151.3	2110.4	2063.5	2055.3
37.5°	2677.8	2492.1	2296.2	2173.7	2081.9	1971.6	1918.6	1885.9	1867.6	1832.9	1826.7
40°	2322.7	2137.0	2002.3	1879.8	1822.6	1763.5	1724.7	1710.4	1702.2	1690.0	1677.7
42.5°	2000.2	1836.9	1741.0	1659.4	1634.9	1606.3	1596.1	1604.3	1596.1	1592.0	1590.0
45°	1726.7	1602.2	1534.9	1510.4	1504.2	1496.1	1504.2	1518.5	1520.6	1516.5	1516.5
47.5°	1477.7	1418.5	1389.9	1394.0	1404.2	1410.4	1424.6	1443.0	1447.1	1436.9	1441.0
50°	1314.4	1279.7	1273.6	1289.9	1312.4	1320.6	1336.9	1351.2	1349.1	1345.0	1341.0
52.5°	1161.4	1151.1	1167.5	1183.8	1208.3	1212.4	1218.5	1224.6	1222.6	1214.4	1210.3
55°	1032.8	1040.9	1055.2	1061.3	1079.7	1077.7	1079.7	1079.7	1071.5	1067.5	1061.3
57.5°	916.4	918.5	926.6	928.7	938.9	934.8	932.8	928.7	916.4	914.4	908.3
60°	798.0	794.0	812.3	798.0	806.2	798.0	796.0	785.8	773.6	771.5	767.4
62.5°	685.8	677.6	689.9	683.7	687.8	679.7	675.6	663.3	653.1	651.1	649.1
65°	585.8	581.7	593.9	591.9	596.0	585.8	581.7	573.5	565.4	563.3	561.3
67.5°	502.1	512.3	518.4	518.4	522.5	520.5	510.3	508.2	506.2	498.0	498.0
70°	440.9	447.0	459.2	461.3	459.2	463.3	455.2	453.1	451.1	447.0	444.9
72.5°	391.9	400.0	412.3	414.3	412.3	412.3	408.2	406.2	406.2	400.0	400.0
75°	353.1	363.3	373.5	373.5	373.5	369.4	365.3	365.3	361.3	359.2	355.1
77.5°	320.4	332.7	340.9	338.8	336.8	332.7	332.7	326.6	320.4	320.4	316.4
80°	296.0	304.1	310.2	308.2	306.2	300.0	298.0	291.9	287.8	281.7	281.7
82.5°	269.4	279.6	283.7	281.7	277.6	271.5	269.4	265.3	261.3	259.2	255.1
85°	247.0	257.2	259.2	255.1	251.0	247.0	244.9	242.9	240.8	236.8	236.8
87.5°	224.5	234.7	234.7	232.7	228.6	226.6	224.5	222.5	220.4	218.4	216.4
90°	206.1	214.3	214.3	212.3	210.2	208.2	206.1	204.1	202.1	200.0	200.0
92.5°	187.8	195.9	195.9	193.9	191.9	189.8	189.8	187.8	185.7	183.7	181.7
95°	171.4	179.6	179.6	179.6	177.6	175.5	175.5	173.5	171.4	171.4	169.4
97.5°	155.1	163.3	163.3	163.3	161.2	159.2	159.2	157.2	157.2	157.2	155.1
100°	140.8	147.0	149.0	149.0	147.0	147.0	147.0	144.9	144.9	144.9	142.9
102.5°	126.5	132.7	136.7	136.7	136.7	134.7	134.7	134.7	134.7	134.7	132.7
105°	114.3	120.4	124.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
107.5°	104.1	110.2	114.3	116.3	118.4	118.4	120.4	120.4	120.4	120.4	120.4
110°	93.9	100.0	106.1	108.2	110.2	112.3	112.3	114.3	112.3	112.3	112.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	83.7	91.8	95.9	100.0	102.1	104.1	106.1	106.1	106.1	106.1	106.1
115°	75.5	83.7	87.8	91.8	95.9	98.0	98.0	100.0	100.0	100.0	98.0
117.5°	67.4	75.5	79.6	83.7	85.7	89.8	91.8	91.8	91.8	91.8	89.8
120°	61.2	67.4	71.4	75.5	79.6	81.6	83.7	83.7	83.7	83.7	83.7
122.5°	53.1	59.2	65.3	69.4	71.4	73.5	75.5	75.5	75.5	75.5	75.5
125°	46.9	53.1	57.1	61.2	63.3	67.4	67.4	67.4	67.4	67.4	67.4
127.5°	40.8	46.9	51.0	55.1	57.1	59.2	61.2	61.2	61.2	61.2	61.2
130°	34.7	40.8	44.9	49.0	51.0	53.1	53.1	55.1	55.1	55.1	55.1
132.5°	30.6	34.7	38.8	42.9	44.9	46.9	46.9	49.0	49.0	49.0	49.0
135°	24.5	30.6	32.7	36.7	38.8	40.8	40.8	42.9	42.9	42.9	42.9
137.5°	20.4	24.5	28.6	32.7	34.7	34.7	36.7	36.7	38.8	38.8	38.8
140°	16.3	18.4	24.5	26.5	28.6	30.6	32.7	32.7	32.7	32.7	32.7
142.5°	12.2	16.3	18.4	22.5	24.5	26.5	28.6	28.6	28.6	28.6	28.6
145°	10.2	12.2	14.3	18.4	20.4	22.5	24.5	24.5	24.5	24.5	24.5
147.5°	8.2	10.2	12.2	14.3	16.3	18.4	20.4	20.4	20.4	20.4	20.4
150°	6.1	8.2	10.2	10.2	12.2	14.3	16.3	18.4	18.4	18.4	18.4
152.5°	6.1	6.1	8.2	8.2	10.2	12.2	14.3	14.3	14.3	14.3	14.3
155°	4.1	6.1	6.1	6.1	8.2	8.2	10.2	12.2	12.2	12.2	12.2
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5
2.5°	3951.5	3959.6	3955.5	3949.4	3947.4	3957.6	3947.4	3900.4	3918.8	3920.8	3935.1
5°	3945.3	3951.5	3947.4	3943.3	3937.2	3949.4	3937.2	3888.2	3906.5	3908.6	3922.9
7.5°	3986.1	3988.2	3988.2	3978.0	3961.7	3967.8	3951.5	3896.3	3906.5	3906.5	3916.8
10°	4088.2	4092.3	4098.4	4071.9	4051.5	4035.1	4012.7	3945.3	3943.3	3927.0	3927.0
12.5°	4220.9	4210.7	4200.5	4188.2	4171.9	4151.5	4118.8	4039.2	4012.7	3986.1	3959.6
15°	4259.6	4255.6	4253.5	4247.4	4237.2	4231.1	4206.6	4127.0	4088.2	4055.5	4008.6
17.5°	4157.6	4165.8	4192.3	4194.3	4206.6	4231.1	4227.0	4171.9	4137.2	4122.9	4065.7
20°	3973.9	3975.9	4008.6	4022.9	4076.0	4116.8	4147.4	4141.3	4133.1	4149.4	4106.6
22.5°	3753.5	3767.8	3802.5	3824.9	3875.9	3922.9	3971.9	3998.4	4041.3	4108.6	4100.4
25°	3453.4	3471.8	3520.8	3557.5	3629.0	3700.4	3765.7	3812.7	3863.7	3992.3	4035.1
27.5°	3094.2	3122.8	3186.1	3222.8	3322.8	3396.3	3490.2	3582.0	3653.5	3800.4	3888.2
30°	2716.6	2741.1	2808.5	2859.5	2945.2	3045.2	3163.6	3294.2	3412.6	3561.6	3671.8
32.5°	2363.5	2390.1	2445.2	2490.1	2586.0	2669.7	2800.3	2961.5	3071.8	3277.9	3424.9
35°	2055.3	2079.8	2118.6	2157.4	2237.0	2322.7	2435.0	2592.1	2733.0	2947.3	3133.0
37.5°	1839.0	1843.1	1865.5	1888.0	1947.2	2012.5	2100.2	2239.0	2369.6	2600.3	2804.4
40°	1683.9	1683.9	1696.1	1702.2	1728.8	1767.5	1822.6	1930.8	2039.0	2214.5	2463.5
42.5°	1587.9	1583.8	1583.8	1585.9	1583.8	1602.2	1634.9	1685.9	1781.8	1926.7	2120.6
45°	1516.5	1508.3	1502.2	1487.9	1479.8	1479.8	1481.8	1500.2	1555.3	1649.2	1806.3
47.5°	1436.9	1434.9	1424.6	1408.3	1394.0	1383.8	1367.5	1361.4	1377.7	1430.8	1536.9
50°	1345.0	1334.8	1324.6	1312.4	1296.1	1285.9	1255.2	1257.3	1243.0	1267.5	1322.6
52.5°	1210.3	1202.2	1198.1	1187.9	1181.8	1177.7	1153.2	1128.7	1122.6	1126.7	1147.1
55°	1061.3	1065.4	1049.1	1057.3	1055.2	1036.8	1026.6	1008.3	1002.2	1000.1	1010.3
57.5°	906.2	910.3	900.1	908.3	908.3	898.1	891.9	891.9	877.6	865.4	879.7
60°	765.4	757.2	763.3	773.6	773.6	767.4	763.3	763.3	753.1	749.1	759.3
62.5°	651.1	642.9	649.1	659.3	661.3	657.2	653.1	653.1	640.9	640.9	649.1
65°	563.3	565.4	563.3	571.5	571.5	573.5	569.4	565.4	551.1	557.2	555.2
67.5°	500.1	498.0	498.0	506.2	504.1	508.2	504.1	498.0	487.8	479.6	477.6
70°	447.0	444.9	444.9	449.0	451.1	451.1	449.0	444.9	430.7	422.5	416.4
72.5°	400.0	398.0	400.0	402.1	404.1	406.2	404.1	400.0	387.8	377.6	367.4
75°	357.2	355.1	361.3	361.3	363.3	363.3	365.3	363.3	353.1	340.9	328.6
77.5°	314.3	316.4	322.5	324.5	328.6	330.6	332.7	332.7	322.5	312.3	296.0
80°	279.6	283.7	287.8	289.8	293.9	300.0	302.1	304.1	296.0	285.7	267.4
82.5°	255.1	257.2	261.3	263.3	269.4	271.5	273.5	277.6	273.5	263.3	242.9
85°	234.7	236.8	240.8	240.8	244.9	249.0	251.0	253.1	251.0	240.8	220.4
87.5°	216.4	218.4	220.4	222.5	224.5	226.6	228.6	230.6	228.6	218.4	200.0
90°	200.0	200.0	202.1	202.1	204.1	206.1	210.2	210.2	208.2	200.0	181.7
92.5°	181.7	183.7	183.7	185.7	187.8	189.8	191.9	191.9	189.8	181.7	165.3
95°	169.4	169.4	171.4	171.4	173.5	173.5	175.5	175.5	173.5	165.3	149.0
97.5°	155.1	155.1	155.1	155.1	157.2	157.2	159.2	159.2	157.2	149.0	134.7
100°	142.9	142.9	142.9	142.9	142.9	144.9	144.9	144.9	142.9	134.7	120.4
102.5°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	128.6	122.5	108.2
105°	126.5	126.5	126.5	124.5	124.5	124.5	122.5	122.5	116.3	110.2	98.0
107.5°	118.4	118.4	118.4	116.3	116.3	114.3	112.3	112.3	106.1	100.0	87.8
110°	112.3	112.3	112.3	110.2	108.2	106.1	104.1	102.1	95.9	87.8	77.6





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	106.1	106.1	104.1	104.1	102.1	100.0	95.9	93.9	87.8	79.6	69.4
115°	98.0	98.0	98.0	95.9	93.9	91.8	89.8	85.7	79.6	71.4	61.2
117.5°	89.8	89.8	89.8	87.8	85.7	83.7	81.6	77.6	71.4	63.3	55.1
120°	81.6	81.6	81.6	79.6	77.6	75.5	73.5	69.4	63.3	57.1	46.9
122.5°	75.5	75.5	73.5	71.4	69.4	67.4	65.3	61.2	57.1	49.0	40.8
125°	67.4	67.4	65.3	65.3	63.3	61.2	59.2	55.1	49.0	42.9	36.7
127.5°	61.2	59.2	59.2	59.2	57.1	55.1	51.0	49.0	42.9	36.7	30.6
130°	53.1	53.1	53.1	51.0	51.0	49.0	44.9	40.8	36.7	32.7	26.5
132.5°	46.9	46.9	46.9	46.9	44.9	42.9	38.8	36.7	32.7	26.5	22.5
135°	42.9	42.9	40.8	40.8	38.8	36.7	34.7	30.6	26.5	22.5	18.4
137.5°	36.7	36.7	36.7	34.7	34.7	32.7	28.6	26.5	24.5	20.4	16.3
140°	32.7	32.7	30.6	30.6	28.6	28.6	26.5	22.5	20.4	16.3	14.3
142.5°	28.6	28.6	26.5	26.5	24.5	24.5	22.5	20.4	16.3	14.3	10.2
145°	24.5	24.5	22.5	22.5	22.5	20.4	18.4	16.3	14.3	12.2	10.2
147.5°	20.4	20.4	20.4	18.4	18.4	16.3	16.3	14.3	12.2	10.2	8.2
150°	18.4	18.4	16.3	16.3	16.3	14.3	12.2	12.2	10.2	8.2	6.1
152.5°	14.3	14.3	14.3	14.3	12.2	12.2	10.2	10.2	8.2	6.1	6.1
155°	12.2	12.2	12.2	10.2	10.2	10.2	8.2	8.2	6.1	6.1	4.1
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5	3951.5
2.5°	3929.0	3927.0	3945.3	3943.3	3918.8	3955.5	3980.0
5°	3918.8	3916.8	3933.1	3937.2	3910.6	3949.4	3975.9
7.5°	3910.6	3908.6	3927.0	3933.1	3906.5	3941.2	3969.8
10°	3912.7	3902.5	3918.8	3922.9	3898.4	3935.1	3959.6
12.5°	3927.0	3902.5	3908.6	3908.6	3886.1	3918.8	3945.3
15°	3961.7	3910.6	3902.5	3896.3	3867.8	3898.4	3924.9
17.5°	4000.4	3931.0	3902.5	3882.1	3847.4	3873.9	3902.5
20°	4039.2	3953.5	3906.5	3873.9	3826.9	3851.4	3871.9
22.5°	4057.6	3973.9	3910.6	3861.6	3802.5	3814.7	3837.2
25°	4033.1	3965.7	3902.5	3843.3	3771.8	3773.9	3792.3
27.5°	3943.3	3924.9	3884.1	3824.9	3747.3	3737.1	3751.4
30°	3790.2	3841.2	3843.3	3800.4	3718.8	3698.4	3704.5
32.5°	3575.9	3690.2	3757.6	3749.4	3678.0	3649.4	3653.5
35°	3328.9	3471.8	3618.8	3667.7	3616.7	3594.3	3586.1
37.5°	3033.0	3224.8	3420.8	3541.2	3533.0	3518.8	3510.6
40°	2706.4	2937.1	3169.7	3361.6	3420.8	3420.8	3424.9
42.5°	2357.4	2626.8	2881.9	3124.8	3263.6	3294.2	3306.5
45°	2020.6	2292.1	2569.7	2849.3	3035.0	3131.0	3165.7
47.5°	1714.5	1988.0	2251.3	2557.4	2804.4	2928.9	2984.0
50°	1453.2	1657.3	1934.9	2239.0	2508.4	2661.5	2769.7
52.5°	1236.9	1396.1	1639.0	1922.7	2194.1	2404.3	2504.4
55°	1055.2	1163.4	1369.5	1614.5	1873.7	2092.1	2208.4
57.5°	902.1	987.9	1128.7	1332.8	1551.2	1767.5	1892.0
60°	767.4	826.6	922.5	1083.8	1269.5	1455.3	1575.7
62.5°	651.1	689.9	753.1	871.5	1016.4	1161.4	1273.6
65°	561.3	577.6	612.3	685.8	796.0	906.2	1002.2
67.5°	473.5	483.7	510.3	555.2	610.3	689.9	753.1
70°	408.2	408.2	410.2	436.8	465.4	516.4	561.3
72.5°	355.1	349.0	336.8	342.9	349.0	377.6	406.2
75°	312.3	298.0	277.6	269.4	265.3	269.4	285.7
77.5°	275.5	255.1	230.6	210.2	193.9	187.8	202.1
80°	244.9	220.4	191.9	165.3	138.8	124.5	130.6
82.5°	220.4	189.8	159.2	128.6	98.0	77.6	77.6
85°	193.9	165.3	132.7	100.0	69.4	42.9	38.8
87.5°	175.5	144.9	110.2	79.6	49.0	22.5	12.2
90°	157.2	126.5	93.9	63.3	34.7	10.2	0.0
92.5°	140.8	112.3	81.6	51.0	24.5	6.1	0.0
95°	126.5	100.0	69.4	42.9	20.4	4.1	2.0
97.5°	112.3	87.8	61.2	34.7	14.3	4.1	2.0
100°	102.1	77.6	53.1	28.6	12.2	2.0	2.0
102.5°	89.8	69.4	44.9	24.5	10.2	2.0	2.0
105°	79.6	61.2	38.8	20.4	8.2	2.0	2.0
107.5°	71.4	53.1	34.7	18.4	8.2	2.0	2.0
110°	63.3	46.9	30.6	16.3	6.1	2.0	2.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	57.1	40.8	26.5	14.3	4.1	2.0	2.0
115°	49.0	36.7	22.5	12.2	4.1	2.0	2.0
117.5°	42.9	30.6	20.4	10.2	4.1	2.0	2.0
120°	36.7	26.5	16.3	8.2	2.0	2.0	2.0
122.5°	32.7	22.5	14.3	8.2	2.0	2.0	2.0
125°	28.6	20.4	12.2	6.1	2.0	2.0	2.0
127.5°	24.5	16.3	10.2	4.1	2.0	2.0	2.0
130°	20.4	14.3	8.2	4.1	2.0	2.0	2.0
132.5°	16.3	12.2	8.2	4.1	2.0	2.0	2.0
135°	14.3	10.2	6.1	4.1	2.0	2.0	2.0
137.5°	12.2	8.2	4.1	4.1	4.1	2.0	2.0
140°	10.2	6.1	4.1	4.1	4.1	4.1	2.0
142.5°	8.2	6.1	4.1	4.1	4.1	4.1	2.0
145°	6.1	4.1	4.1	4.1	4.1	4.1	2.0
147.5°	6.1	4.1	4.1	4.1	4.1	4.1	2.0
150°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
152.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
155°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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)