

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-LD5-120SL-LN-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 (P33519)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

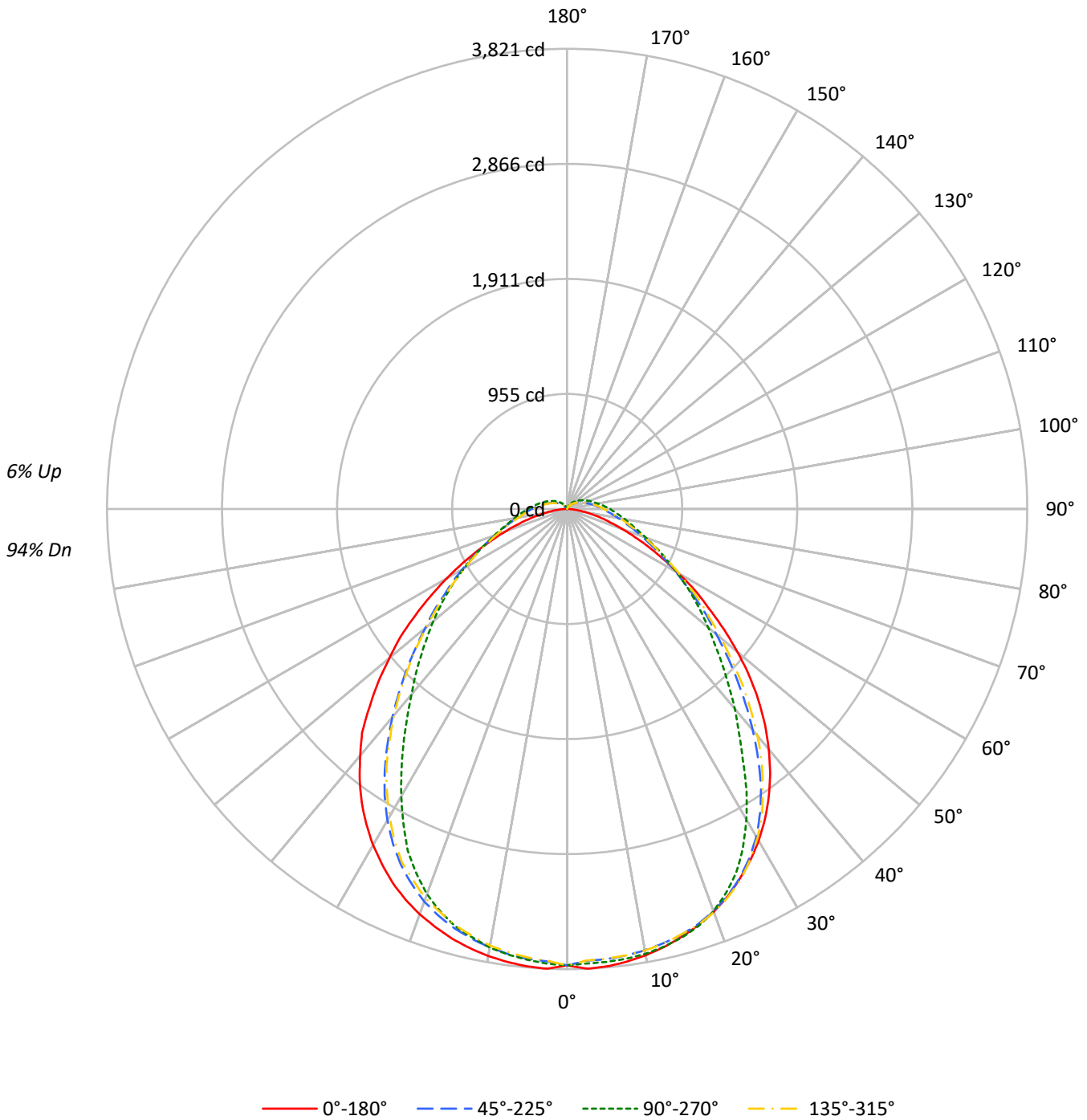
Lumens per Lamp: N/A
Luminaire Lumens: 9590.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 92
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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

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	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	107	103	98	95	104	100	96	92	94	91	88	89	87	85	85	83	81	79				
2	98	90	84	78	95	88	82	77	83	78	74	79	75	72	75	72	69	67				
3	90	80	72	66	87	78	71	65	74	68	63	71	66	61	67	63	60	57				
4	83	72	63	57	80	70	62	56	67	60	55	64	58	53	61	56	52	50				
5	77	64	56	50	74	63	55	49	60	53	48	58	52	47	55	50	46	44				
6	71	58	50	44	69	57	49	43	55	48	42	52	46	42	50	45	41	39				
7	66	53	45	39	64	52	44	39	50	43	38	48	42	37	46	41	37	35				
8	62	49	41	35	60	48	40	35	46	39	34	44	38	34	43	37	33	31				
9	58	45	37	32	56	44	37	31	42	36	31	41	35	30	40	34	30	28				
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15311	15311	15311	15311
5°	15441	14824	15441	14758
10°	15394	14430	15419	14229
15°	15317	13999	15386	13634
20°	15221	13444	15311	12876
25°	15000	12622	15166	11878
30°	14708	11414	14900	10566
35°	14238	9932	14513	9249
40°	13554	8687	13912	8060
45°	12642	7551	13052	7119
50°	11384	6636	11885	6300
55°	9882	5859	10600	5563
60°	8348	5144	9102	4849
65°	6883	4549	7578	4217
70°	5524	4037	6186	3734
75°	4397	3727	4950	3429
80°	3253	3596	3832	3286
85°	2132	3616	2871	3325



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.3	3.7
10°-20°	1030.1	10.7
20°-30°	1526.7	15.9
30°-40°	1696.1	17.7
40°-50°	1537.5	16.0
50°-60°	1191.4	12.4
60°-70°	809.1	8.4
70°-80°	514.7	5.4
80°-90°	329.1	3.4
90°-100°	221.9	2.3
100°-110°	152.0	1.6
110°-120°	101.4	1.1
120°-130°	63.1	0.7
130°-140°	34.9	0.4
140°-150°	16.4	0.2
150°-160°	6.0	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	2916.1	30.4
0°-40°	4612.3	48.1
0°-60°	7341.2	76.6
0°-90°	8994.1	93.8
90°-120°	475.2	5.0
90°-150°	589.5	6.1
90°-180°	596.0	6.2
0°-180°	9590.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3789	3789	3789	3789	3789	
5°	3812	3775	3812	3758	3812	362
15°	3677	3683	3694	3587	3677	1038
25°	3389	3327	3427	3131	3389	1561
35°	2918	2543	2974	2368	2918	1820
45°	2247	1818	2320	1713	2247	1726
55°	1434	1278	1538	1213	1434	1291
65°	744	859	819	796	744	746
75°	298	573	336	527	298	321
85°	54	413	73	379	54	65
90°	0	356	4	325	0	3
95°	2	304	0	284	2	2
105°	2	223	0	210	2	2
115°	2	169	0	156	2	2
125°	2	125	2	110	2	2
135°	2	88	2	71	2	2
145°	2	56	2	40	2	1
155°	2	31	2	15	2	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-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4
2.5°	3820.7	3816.5	3812.3	3806.1	3812.3	3829.0	3818.6	3795.7	3791.5	3754.0	3770.7
5°	3812.3	3806.1	3801.9	3795.7	3804.0	3824.8	3814.4	3793.6	3787.3	3751.9	3770.7
7.5°	3791.5	3787.3	3781.1	3781.1	3789.4	3810.3	3801.9	3779.0	3774.8	3739.4	3760.2
10°	3762.3	3760.2	3756.1	3756.1	3764.4	3789.4	3779.0	3758.1	3754.0	3720.6	3743.6
12.5°	3724.8	3726.9	3720.6	3720.6	3733.1	3758.1	3749.8	3726.9	3722.7	3693.5	3716.5
15°	3676.9	3678.9	3674.8	3676.9	3689.4	3718.5	3708.1	3687.3	3683.1	3660.2	3678.9
17.5°	3622.7	3624.7	3624.7	3622.7	3637.2	3666.4	3658.1	3639.3	3633.1	3614.3	3637.2
20°	3560.1	3560.1	3560.1	3560.1	3576.8	3606.0	3595.6	3581.0	3568.5	3553.9	3572.6
22.5°	3483.0	3480.9	3483.0	3489.3	3505.9	3528.9	3522.6	3505.9	3487.2	3478.8	3493.4
25°	3389.2	3395.5	3397.5	3403.8	3424.6	3443.4	3437.1	3420.5	3391.3	3385.0	3389.2
27.5°	3291.2	3295.4	3301.7	3299.6	3328.8	3347.5	3335.0	3320.4	3278.7	3272.5	3268.3
30°	3180.8	3187.0	3191.2	3189.1	3212.0	3232.9	3220.4	3201.6	3145.3	3141.2	3107.8
32.5°	3055.7	3062.0	3066.1	3066.1	3099.5	3107.8	3084.9	3057.8	2997.3	2982.8	2953.6
35°	2918.1	2924.4	2926.5	2926.5	2959.8	2957.7	2928.6	2891.0	2824.3	2805.6	2755.6
37.5°	2770.1	2774.3	2776.4	2788.9	2803.5	2791.0	2753.5	2705.5	2655.5	2603.4	2549.2
40°	2603.4	2609.6	2613.8	2622.2	2636.7	2622.2	2568.0	2509.6	2455.4	2397.0	2342.8
42.5°	2432.5	2451.2	2447.1	2445.0	2453.3	2413.7	2372.0	2305.3	2251.1	2190.7	2136.5
45°	2247.0	2244.9	2255.3	2259.5	2257.4	2224.0	2165.7	2105.2	2051.0	1988.5	1942.6
47.5°	2051.0	2048.9	2057.3	2061.5	2048.9	2013.5	1967.7	1898.9	1853.0	1798.8	1763.4
50°	1844.7	1844.7	1857.2	1844.7	1838.4	1803.0	1765.5	1696.7	1661.3	1613.3	1592.5
52.5°	1638.3	1657.1	1644.6	1640.4	1634.2	1598.7	1569.5	1513.3	1484.1	1463.2	1438.2
55°	1434.1	1454.9	1446.6	1440.3	1438.2	1409.0	1381.9	1340.3	1321.5	1306.9	1292.3
57.5°	1261.1	1259.0	1254.8	1248.5	1250.6	1227.7	1200.6	1177.7	1169.3	1163.1	1167.3
60°	1061.0	1077.6	1071.4	1073.5	1075.5	1071.4	1048.4	1033.9	1035.9	1038.0	1044.3
62.5°	896.3	910.9	921.3	913.0	917.1	923.4	910.9	906.7	915.0	923.4	931.7
65°	744.1	758.7	769.1	767.1	779.6	792.1	790.0	794.2	812.9	823.3	833.8
67.5°	606.6	621.1	635.7	637.8	656.6	675.3	683.7	698.3	719.1	733.7	746.2
70°	487.7	500.3	516.9	527.3	552.4	577.4	592.0	621.1	633.7	654.5	662.8
72.5°	381.4	391.9	414.8	439.8	460.6	491.9	521.1	546.1	564.9	587.8	598.2
75°	298.1	302.2	327.2	356.4	385.6	421.0	452.3	479.4	504.4	527.3	544.0
77.5°	218.9	225.1	248.0	287.6	321.0	358.5	393.9	423.1	450.2	473.2	496.1
80°	152.2	164.7	189.7	229.3	266.8	308.5	341.8	375.2	404.4	427.3	450.2
82.5°	98.0	108.4	143.8	183.4	223.0	264.7	300.2	333.5	364.8	389.8	410.6
85°	54.2	68.8	104.2	145.9	185.5	227.2	264.7	298.1	329.3	352.3	373.1
87.5°	20.8	41.7	75.0	114.6	154.2	193.8	233.5	264.7	296.0	321.0	339.8
90°	0.0	25.0	56.3	95.9	135.5	175.1	212.6	246.0	275.1	298.1	318.9
92.5°	2.1	16.7	43.8	77.1	114.6	152.2	187.6	220.9	250.1	273.1	291.8
95°	2.1	12.5	35.4	66.7	100.1	135.5	168.8	200.1	227.2	250.1	268.9
97.5°	2.1	8.3	29.2	58.4	87.5	123.0	154.2	183.4	208.4	231.4	246.0
100°	2.1	8.3	25.0	50.0	79.2	110.5	139.7	168.8	191.8	210.5	227.2
102.5°	2.1	6.3	20.8	43.8	70.9	98.0	127.1	154.2	175.1	193.8	210.5
105°	2.1	6.3	18.8	37.5	62.5	89.6	114.6	139.7	162.6	179.3	193.8
107.5°	2.1	4.2	16.7	31.3	54.2	81.3	106.3	127.1	148.0	164.7	179.3
110°	2.1	4.2	14.6	29.2	47.9	73.0	95.9	116.7	135.5	152.2	164.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.1	4.2	12.5	27.1	43.8	64.6	87.5	106.3	125.1	139.7	152.2
115°	2.1	4.2	12.5	25.0	39.6	56.3	77.1	98.0	112.6	129.2	139.7
117.5°	2.1	4.2	10.4	20.8	37.5	52.1	70.9	87.5	104.2	118.8	129.2
120°	2.1	4.2	10.4	18.8	33.4	47.9	62.5	79.2	95.9	106.3	116.7
122.5°	2.1	4.2	8.3	18.8	29.2	43.8	56.3	70.9	85.5	98.0	108.4
125°	2.1	4.2	8.3	16.7	27.1	39.6	52.1	62.5	77.1	87.5	98.0
127.5°	2.1	4.2	8.3	14.6	25.0	35.4	47.9	58.4	68.8	79.2	87.5
130°	2.1	4.2	6.3	12.5	22.9	31.3	41.7	54.2	62.5	70.9	79.2
132.5°	2.1	4.2	6.3	12.5	18.8	27.1	37.5	47.9	56.3	64.6	70.9
135°	2.1	4.2	6.3	10.4	16.7	25.0	31.3	41.7	50.0	58.4	64.6
137.5°	2.1	4.2	6.3	10.4	14.6	20.8	27.1	35.4	43.8	50.0	58.4
140°	2.1	4.2	6.3	8.3	12.5	18.8	25.0	29.2	37.5	43.8	50.0
142.5°	2.1	4.2	6.3	8.3	12.5	16.7	20.8	25.0	31.3	37.5	43.8
145°	2.1	4.2	6.3	8.3	10.4	14.6	18.8	22.9	25.0	31.3	35.4
147.5°	2.1	4.2	6.3	8.3	8.3	12.5	16.7	18.8	22.9	25.0	29.2
150°	2.1	4.2	6.3	6.3	8.3	10.4	14.6	16.7	18.8	22.9	25.0
152.5°	2.1	4.2	6.3	6.3	8.3	10.4	12.5	14.6	16.7	18.8	20.8
155°	2.1	4.2	6.3	6.3	6.3	8.3	10.4	12.5	14.6	16.7	18.8
157.5°	4.2	4.2	4.2	6.3	6.3	8.3	8.3	10.4	12.5	12.5	14.6
160°	4.2	4.2	4.2	6.3	6.3	6.3	8.3	8.3	10.4	10.4	12.5
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-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4
2.5°	3766.5	3772.7	3791.5	3791.5	3787.3	3783.2	3783.2	3776.9	3781.1	3789.4	3785.2
5°	3766.5	3772.7	3791.5	3791.5	3787.3	3783.2	3781.1	3774.8	3781.1	3789.4	3785.2
7.5°	3754.0	3762.3	3781.1	3781.1	3776.9	3774.8	3770.7	3766.5	3772.7	3781.1	3776.9
10°	3737.3	3745.6	3764.4	3764.4	3760.2	3760.2	3754.0	3749.8	3758.1	3764.4	3762.3
12.5°	3712.3	3722.7	3739.4	3737.3	3733.1	3735.2	3729.0	3720.6	3729.0	3735.2	3737.3
15°	3676.9	3689.4	3706.0	3701.9	3695.6	3699.8	3689.4	3683.1	3689.4	3701.9	3699.8
17.5°	3631.0	3639.3	3651.8	3651.8	3645.6	3641.4	3637.2	3631.0	3635.2	3643.5	3645.6
20°	3566.4	3576.8	3583.1	3576.8	3574.7	3568.5	3560.1	3553.9	3562.2	3574.7	3576.8
22.5°	3480.9	3483.0	3497.6	3483.0	3472.6	3470.5	3462.2	3449.7	3462.2	3472.6	3474.7
25°	3374.6	3385.0	3378.8	3353.8	3353.8	3337.1	3332.9	3326.7	3328.8	3347.5	3355.9
27.5°	3239.1	3243.3	3226.6	3205.8	3187.0	3176.6	3162.0	3164.1	3164.1	3189.1	3197.4
30°	3091.1	3068.2	3053.6	3020.3	3005.7	2980.7	2976.5	2976.5	2972.3	2984.8	3022.4
32.5°	2914.0	2882.7	2859.8	2828.5	2803.5	2778.5	2766.0	2772.2	2770.1	2801.4	2813.9
35°	2720.1	2701.4	2653.4	2613.8	2599.2	2561.7	2561.7	2542.9	2555.5	2590.9	2605.5
37.5°	2515.9	2486.7	2447.1	2403.3	2392.9	2363.7	2353.3	2342.8	2369.9	2376.2	2390.8
40°	2307.4	2280.3	2242.8	2201.1	2201.1	2165.7	2165.7	2165.7	2167.8	2180.3	2207.4
42.5°	2109.4	2080.2	2046.9	2017.7	2013.5	1986.4	1986.4	1984.3	1988.5	1998.9	2023.9
45°	1917.6	1894.7	1859.3	1844.7	1846.8	1817.6	1823.8	1817.6	1825.9	1836.3	1844.7
47.5°	1740.5	1725.9	1711.3	1690.4	1684.2	1682.1	1671.7	1663.3	1677.9	1677.9	1690.4
50°	1575.8	1567.5	1559.1	1546.6	1548.7	1540.4	1527.9	1527.9	1538.3	1540.4	1548.7
52.5°	1432.0	1421.5	1411.1	1413.2	1415.3	1411.1	1404.9	1398.6	1404.9	1409.0	1419.5
55°	1288.1	1279.8	1290.2	1286.1	1290.2	1286.1	1281.9	1277.7	1288.1	1281.9	1292.3
57.5°	1158.9	1167.3	1171.4	1163.1	1169.3	1165.2	1167.3	1161.0	1169.3	1173.5	1171.4
60°	1040.1	1052.6	1046.4	1048.4	1056.8	1052.6	1044.3	1050.5	1058.9	1061.0	1058.9
62.5°	931.7	946.3	952.6	948.4	950.5	946.3	952.6	944.2	954.6	958.8	952.6
65°	833.8	850.4	854.6	854.6	854.6	850.4	856.7	858.8	862.9	862.9	858.8
67.5°	750.4	765.0	769.1	773.3	769.1	765.0	765.0	767.1	775.4	779.6	775.4
70°	675.3	689.9	692.0	692.0	694.1	698.3	689.9	694.1	700.4	702.4	700.4
72.5°	610.7	625.3	629.5	627.4	629.5	631.6	631.6	627.4	633.7	637.8	637.8
75°	558.6	567.0	571.1	571.1	573.2	575.3	575.3	573.2	577.4	579.5	581.5
77.5°	510.7	516.9	523.2	523.2	525.3	523.2	527.3	527.3	529.4	531.5	533.6
80°	462.7	471.1	475.2	477.3	481.5	483.6	483.6	483.6	485.7	487.7	487.7
82.5°	425.2	431.5	437.7	444.0	444.0	446.1	446.1	446.1	448.1	448.1	450.2
85°	387.7	396.0	402.3	406.5	408.5	410.6	410.6	412.7	412.7	412.7	414.8
87.5°	354.3	364.8	368.9	373.1	375.2	379.4	379.4	379.4	381.4	381.4	381.4
90°	331.4	341.8	346.0	350.2	352.3	354.3	354.3	356.4	356.4	358.5	358.5
92.5°	304.3	314.7	323.1	323.1	325.2	329.3	327.2	327.2	329.3	331.4	331.4
95°	283.5	291.8	298.1	300.2	302.2	302.2	302.2	304.3	302.2	304.3	304.3
97.5°	258.5	266.8	273.1	277.2	279.3	279.3	279.3	281.4	279.3	281.4	281.4
100°	237.6	246.0	252.2	254.3	258.5	258.5	258.5	258.5	258.5	258.5	260.5
102.5°	220.9	229.3	233.5	235.5	237.6	239.7	239.7	239.7	239.7	241.8	241.8
105°	204.3	212.6	216.8	218.9	220.9	223.0	223.0	223.0	225.1	225.1	223.0
107.5°	189.7	195.9	200.1	204.3	206.4	206.4	208.4	208.4	208.4	208.4	208.4
110°	175.1	181.3	187.6	191.8	191.8	193.8	193.8	195.9	195.9	193.8	195.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	160.5	168.8	173.0	177.2	179.3	181.3	181.3	181.3	181.3	181.3	181.3
115°	148.0	156.3	160.5	164.7	166.8	168.8	168.8	168.8	168.8	168.8	168.8
117.5°	137.6	145.9	150.1	152.2	154.2	156.3	158.4	158.4	158.4	158.4	156.3
120°	127.1	133.4	137.6	141.7	143.8	145.9	145.9	145.9	145.9	145.9	145.9
122.5°	116.7	123.0	127.1	131.3	133.4	135.5	135.5	135.5	135.5	135.5	135.5
125°	106.3	112.6	116.7	120.9	123.0	125.1	125.1	125.1	125.1	125.1	125.1
127.5°	95.9	102.1	108.4	110.5	112.6	114.6	114.6	114.6	116.7	114.6	114.6
130°	85.5	91.7	98.0	100.1	102.1	104.2	106.3	106.3	106.3	106.3	104.2
132.5°	77.1	83.4	87.5	89.6	93.8	93.8	95.9	95.9	95.9	95.9	93.8
135°	70.9	75.0	79.2	81.3	85.5	85.5	85.5	87.5	87.5	85.5	83.4
137.5°	62.5	66.7	70.9	73.0	75.0	77.1	77.1	79.2	77.1	77.1	77.1
140°	58.4	60.4	64.6	66.7	68.8	68.8	68.8	70.9	70.9	68.8	68.8
142.5°	50.0	54.2	58.4	60.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
145°	41.7	47.9	50.0	54.2	54.2	56.3	56.3	56.3	56.3	56.3	54.2
147.5°	35.4	39.6	45.9	47.9	47.9	50.0	50.0	50.0	50.0	50.0	47.9
150°	27.1	31.3	37.5	41.7	41.7	43.8	43.8	43.8	43.8	41.7	41.7
152.5°	22.9	27.1	29.2	33.4	35.4	35.4	35.4	37.5	35.4	35.4	35.4
155°	20.8	22.9	25.0	27.1	29.2	31.3	31.3	31.3	31.3	29.2	29.2
157.5°	16.7	18.8	20.8	22.9	25.0	27.1	27.1	27.1	27.1	27.1	25.0
160°	12.5	14.6	16.7	16.7	18.8	20.8	22.9	20.8	20.8	20.8	20.8
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-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4
2.5°	3781.1	3779.0	3785.2	3774.8	3743.6	3751.9	3747.7	3766.5	3770.7	3774.8	3793.6
5°	3781.1	3779.0	3783.2	3774.8	3741.5	3747.7	3743.6	3762.3	3766.5	3768.6	3787.3
7.5°	3772.7	3770.7	3776.9	3766.5	3731.0	3739.4	3733.1	3751.9	3754.0	3756.1	3772.7
10°	3756.1	3754.0	3758.1	3749.8	3714.4	3722.7	3714.4	3733.1	3733.1	3737.3	3749.8
12.5°	3731.0	3726.9	3735.2	3724.8	3685.2	3695.6	3691.4	3704.0	3706.0	3708.1	3720.6
15°	3695.6	3691.4	3697.7	3691.4	3656.0	3658.1	3651.8	3670.6	3672.7	3668.5	3681.0
17.5°	3643.5	3639.3	3651.8	3647.7	3612.2	3620.6	3618.5	3622.7	3628.9	3618.5	3635.2
20°	3578.9	3583.1	3587.2	3589.3	3562.2	3562.2	3560.1	3568.5	3574.7	3566.4	3578.9
22.5°	3483.0	3493.4	3505.9	3510.1	3491.3	3489.3	3501.8	3497.6	3503.8	3499.7	3508.0
25°	3362.1	3383.0	3395.5	3408.0	3397.5	3401.7	3420.5	3424.6	3424.6	3422.6	3430.9
27.5°	3212.0	3239.1	3262.1	3289.2	3278.7	3287.1	3318.3	3322.5	3330.8	3322.5	3339.2
30°	3032.8	3057.8	3101.6	3141.2	3145.3	3157.8	3201.6	3205.8	3228.7	3220.4	3226.6
32.5°	2853.5	2866.0	2916.1	2955.7	2980.7	3011.9	3059.9	3068.2	3099.5	3105.7	3105.7
35°	2628.4	2663.8	2709.7	2766.0	2797.2	2830.6	2895.2	2907.7	2953.6	2968.2	2984.8
37.5°	2438.7	2472.1	2501.3	2559.6	2615.9	2653.4	2705.5	2736.8	2784.7	2811.8	2832.7
40°	2236.5	2263.6	2294.9	2353.3	2401.2	2457.5	2509.6	2547.1	2607.6	2638.8	2665.9
42.5°	2044.8	2065.6	2099.0	2140.7	2190.7	2253.2	2303.2	2347.0	2411.6	2455.4	2486.7
45°	1873.9	1886.4	1915.5	1946.8	1990.6	2055.2	2103.1	2159.4	2211.5	2257.4	2294.9
47.5°	1713.4	1730.0	1744.6	1765.5	1805.1	1844.7	1901.0	1955.2	2007.3	2057.3	2094.8
50°	1565.4	1565.4	1588.3	1602.9	1630.0	1665.4	1709.2	1746.7	1811.3	1846.8	1894.7
52.5°	1421.5	1429.9	1442.4	1450.7	1471.6	1494.5	1529.9	1561.2	1615.4	1648.7	1694.6
55°	1294.4	1302.7	1309.0	1313.2	1325.7	1352.8	1365.3	1390.3	1427.8	1454.9	1494.5
57.5°	1173.5	1177.7	1183.9	1186.0	1188.1	1204.8	1215.2	1221.4	1259.0	1286.1	1319.4
60°	1063.0	1063.0	1069.3	1067.2	1065.1	1073.5	1071.4	1077.6	1100.6	1117.2	1131.8
62.5°	958.8	958.8	960.9	956.7	954.6	954.6	946.3	952.6	958.8	960.9	971.3
65°	862.9	873.4	865.0	867.1	854.6	850.4	846.3	833.8	831.7	823.3	827.5
67.5°	777.5	785.8	777.5	777.5	767.1	758.7	748.3	727.4	721.2	704.5	700.4
70°	708.7	702.4	706.6	700.4	687.8	677.4	662.8	646.2	625.3	604.5	589.9
72.5°	642.0	642.0	637.8	631.6	625.3	604.5	587.8	569.0	544.0	516.9	496.1
75°	577.4	579.5	579.5	573.2	562.8	544.0	525.3	498.2	471.1	439.8	412.7
77.5°	531.5	531.5	531.5	521.1	510.7	494.0	471.1	441.9	412.7	375.2	343.9
80°	487.7	485.7	485.7	473.2	462.7	444.0	421.0	391.9	360.6	321.0	285.6
82.5°	452.3	450.2	446.1	435.6	421.0	402.3	379.4	348.1	314.7	279.3	235.5
85°	414.8	412.7	408.5	398.1	383.5	366.9	341.8	310.6	277.2	237.6	195.9
87.5°	381.4	379.4	373.1	366.9	350.2	331.4	306.4	277.2	241.8	204.3	162.6
90°	358.5	354.3	350.2	341.8	327.2	306.4	281.4	250.1	214.7	177.2	135.5
92.5°	331.4	329.3	323.1	314.7	302.2	281.4	256.4	227.2	191.8	156.3	116.7
95°	304.3	302.2	298.1	289.7	277.2	258.5	235.5	206.4	173.0	137.6	102.1
97.5°	279.3	279.3	273.1	266.8	252.2	237.6	214.7	187.6	156.3	125.1	91.7
100°	258.5	258.5	252.2	243.9	233.5	218.9	195.9	170.9	141.7	112.6	79.2
102.5°	239.7	237.6	233.5	225.1	214.7	200.1	179.3	156.3	129.2	100.1	70.9
105°	223.0	220.9	216.8	208.4	200.1	183.4	166.8	143.8	116.7	89.6	62.5
107.5°	206.4	204.3	202.2	193.8	183.4	168.8	152.2	129.2	106.3	81.3	56.3
110°	191.8	189.7	185.5	177.2	166.8	154.2	137.6	118.8	95.9	73.0	50.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	179.3	177.2	173.0	164.7	156.3	141.7	127.1	106.3	87.5	66.7	43.8
115°	166.8	164.7	160.5	152.2	141.7	129.2	114.6	98.0	77.1	58.4	39.6
117.5°	154.2	152.2	148.0	141.7	131.3	118.8	104.2	87.5	68.8	54.2	35.4
120°	143.8	139.7	135.5	129.2	118.8	108.4	93.8	79.2	62.5	47.9	31.3
122.5°	133.4	129.2	125.1	118.8	108.4	98.0	83.4	70.9	58.4	43.8	29.2
125°	120.9	118.8	114.6	108.4	98.0	87.5	77.1	64.6	52.1	39.6	25.0
127.5°	110.5	108.4	104.2	95.9	87.5	79.2	68.8	58.4	45.9	33.4	22.9
130°	102.1	98.0	93.8	87.5	81.3	73.0	62.5	52.1	41.7	29.2	20.8
132.5°	91.7	87.5	83.4	79.2	73.0	64.6	56.3	45.9	37.5	27.1	18.8
135°	83.4	79.2	75.0	70.9	64.6	58.4	50.0	41.7	33.4	25.0	16.7
137.5°	73.0	70.9	68.8	64.6	58.4	52.1	45.9	35.4	29.2	22.9	14.6
140°	66.7	64.6	62.5	56.3	52.1	45.9	39.6	31.3	25.0	18.8	12.5
142.5°	60.4	58.4	54.2	50.0	45.9	41.7	33.4	29.2	22.9	16.7	12.5
145°	52.1	50.0	47.9	43.8	39.6	33.4	29.2	25.0	20.8	14.6	10.4
147.5°	47.9	45.9	41.7	37.5	33.4	29.2	27.1	22.9	16.7	12.5	8.3
150°	39.6	37.5	35.4	31.3	29.2	27.1	22.9	18.8	14.6	10.4	8.3
152.5°	33.4	31.3	29.2	29.2	25.0	22.9	18.8	16.7	12.5	10.4	6.3
155°	29.2	29.2	27.1	25.0	20.8	18.8	16.7	12.5	10.4	8.3	6.3
157.5°	25.0	22.9	20.8	20.8	18.8	16.7	12.5	10.4	8.3	8.3	6.3
160°	20.8	18.8	18.8	16.7	14.6	12.5	10.4	10.4	8.3	6.3	6.3
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-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4
2.5°	3795.7	3772.7	3793.6	3820.7	3820.7	3816.5	3812.3	3820.7	3841.5	3833.2	3808.2
5°	3789.4	3766.5	3785.2	3812.3	3812.3	3806.1	3801.9	3808.2	3831.1	3820.7	3797.7
7.5°	3776.9	3756.1	3768.6	3793.6	3793.6	3787.3	3783.2	3791.5	3810.3	3799.8	3774.8
10°	3754.0	3731.0	3745.6	3768.6	3766.5	3762.3	3756.1	3766.5	3783.2	3768.6	3739.4
12.5°	3724.8	3701.9	3714.4	3735.2	3733.1	3724.8	3720.6	3726.9	3741.5	3733.1	3701.9
15°	3685.2	3662.3	3672.7	3693.5	3687.3	3681.0	3672.7	3674.8	3693.5	3678.9	3645.6
17.5°	3637.2	3612.2	3620.6	3639.3	3633.1	3626.8	3616.4	3618.5	3639.3	3618.5	3583.1
20°	3578.9	3551.8	3558.0	3581.0	3570.5	3560.1	3549.7	3549.7	3570.5	3547.6	3508.0
22.5°	3516.4	3489.3	3493.4	3510.1	3501.8	3483.0	3472.6	3478.8	3489.3	3460.1	3418.4
25°	3439.2	3403.8	3410.1	3426.7	3420.5	3395.5	3385.0	3389.2	3385.0	3362.1	3318.3
27.5°	3349.6	3312.1	3316.3	3326.7	3318.3	3295.4	3282.9	3285.0	3276.7	3247.5	3197.4
30°	3237.0	3218.3	3216.2	3222.5	3210.0	3187.0	3172.4	3168.3	3166.2	3124.5	3064.0
32.5°	3122.4	3105.7	3095.3	3103.6	3089.1	3066.1	3041.1	3041.1	3020.3	2980.7	2928.6
35°	3005.7	2978.6	2968.2	2974.4	2957.7	2928.6	2907.7	2897.3	2866.0	2816.0	2759.7
37.5°	2855.6	2836.8	2824.3	2830.6	2811.8	2791.0	2751.4	2741.0	2707.6	2638.8	2568.0
40°	2693.0	2678.4	2665.9	2672.2	2651.3	2620.1	2584.6	2568.0	2530.4	2453.3	2397.0
42.5°	2517.9	2511.7	2497.1	2520.0	2478.3	2447.1	2411.6	2384.5	2347.0	2263.6	2199.0
45°	2332.4	2347.0	2313.7	2319.9	2292.8	2265.7	2228.2	2188.6	2151.1	2071.9	1998.9
47.5°	2136.5	2146.9	2124.0	2128.2	2099.0	2074.0	2040.6	1990.6	1948.9	1880.1	1815.5
50°	1934.3	1930.1	1930.1	1926.0	1903.0	1871.8	1838.4	1792.6	1750.9	1688.4	1634.2
52.5°	1719.6	1728.0	1732.1	1742.5	1713.4	1694.6	1642.5	1602.9	1571.6	1507.0	1461.2
55°	1513.3	1542.4	1534.1	1538.3	1504.9	1490.3	1448.6	1417.4	1371.5	1334.0	1304.8
57.5°	1325.7	1331.9	1336.1	1342.3	1327.8	1298.6	1265.2	1240.2	1204.8	1173.5	1152.7
60°	1144.3	1144.3	1146.4	1156.8	1142.2	1117.2	1092.2	1073.5	1048.4	1029.7	1017.2
62.5°	973.4	988.0	990.1	981.7	963.0	950.5	933.8	923.4	906.7	900.5	896.3
65°	815.0	815.0	815.0	819.2	808.7	800.4	790.0	787.9	794.2	785.8	790.0
67.5°	681.6	675.3	671.2	673.3	669.1	664.9	662.8	669.1	681.6	681.6	692.0
70°	567.0	554.4	546.1	546.1	546.1	548.2	554.4	567.0	587.8	596.1	610.7
72.5°	473.2	446.1	433.6	433.6	435.6	444.0	462.7	485.7	504.4	521.1	539.9
75°	383.5	356.4	337.7	335.6	339.8	352.3	379.4	400.2	431.5	454.4	477.3
77.5°	310.6	277.2	254.3	252.2	258.5	277.2	310.6	337.7	373.1	398.1	423.1
80°	248.0	210.5	191.8	179.3	189.7	212.6	250.1	283.5	316.8	350.2	381.4
82.5°	198.0	162.6	133.4	120.9	133.4	164.7	200.1	239.7	273.1	308.5	339.8
85°	156.3	118.8	85.5	73.0	87.5	120.9	160.5	200.1	237.6	273.1	304.3
87.5°	123.0	85.5	52.1	35.4	54.2	89.6	127.1	166.8	206.4	241.8	273.1
90°	95.9	60.4	29.2	4.2	31.3	64.6	102.1	139.7	179.3	214.7	246.0
92.5°	81.3	45.9	16.7	0.0	18.8	47.9	83.4	120.9	156.3	191.8	223.0
95°	68.8	37.5	12.5	0.0	12.5	37.5	68.8	102.1	137.6	173.0	204.3
97.5°	58.4	29.2	8.3	0.0	8.3	29.2	56.3	89.6	120.9	154.2	183.4
100°	50.0	25.0	6.3	0.0	6.3	22.9	47.9	77.1	108.4	139.7	166.8
102.5°	43.8	20.8	4.2	0.0	4.2	18.8	39.6	66.7	93.8	123.0	150.1
105°	37.5	16.7	4.2	0.0	2.1	14.6	33.4	58.4	83.4	110.5	135.5
107.5°	33.4	14.6	4.2	0.0	2.1	12.5	29.2	50.0	75.0	98.0	120.9
110°	29.2	12.5	4.2	0.0	2.1	8.3	25.0	43.8	64.6	87.5	110.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	25.0	10.4	2.1	0.0	0.0	6.3	20.8	37.5	56.3	79.2	98.0
115°	22.9	10.4	2.1	0.0	0.0	4.2	16.7	33.4	50.0	70.9	87.5
117.5°	20.8	8.3	2.1	0.0	2.1	4.2	14.6	29.2	43.8	60.4	79.2
120°	18.8	8.3	2.1	0.0	2.1	2.1	10.4	25.0	37.5	54.2	68.8
122.5°	16.7	8.3	2.1	0.0	2.1	2.1	8.3	20.8	33.4	47.9	60.4
125°	14.6	6.3	4.2	2.1	2.1	2.1	6.3	16.7	29.2	39.6	54.2
127.5°	14.6	6.3	4.2	2.1	2.1	2.1	4.2	14.6	22.9	35.4	47.9
130°	12.5	6.3	4.2	2.1	2.1	2.1	2.1	10.4	20.8	29.2	39.6
132.5°	10.4	6.3	4.2	2.1	2.1	2.1	2.1	6.3	14.6	25.0	33.4
135°	10.4	6.3	4.2	2.1	2.1	2.1	2.1	4.2	10.4	18.8	27.1
137.5°	8.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	8.3	14.6	20.8
140°	8.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	6.3	10.4	16.7
142.5°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2	8.3	12.5
145°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	4.2	8.3
147.5°	6.3	6.3	4.2	2.1	2.1	2.1	2.1	2.1	2.1	4.2	6.3
150°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
152.5°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
155°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2
157.5°	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
160°	6.3	4.2	4.2	2.1	4.2	2.1	4.2	4.2	4.2	4.2	4.2
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-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4
2.5°	3799.8	3760.2	3781.1	3774.8	3783.2	3799.8	3797.7	3793.6	3793.6	3787.3	3779.0
5°	3787.3	3749.8	3768.6	3758.1	3768.6	3783.2	3781.1	3774.8	3779.0	3768.6	3758.1
7.5°	3762.3	3729.0	3745.6	3737.3	3745.6	3760.2	3754.0	3751.9	3756.1	3739.4	3733.1
10°	3733.1	3695.6	3714.4	3704.0	3714.4	3724.8	3720.6	3712.3	3720.6	3704.0	3697.7
12.5°	3687.3	3656.0	3668.5	3664.3	3670.6	3681.0	3672.7	3666.4	3670.6	3656.0	3643.5
15°	3637.2	3606.0	3616.4	3610.2	3614.3	3626.8	3612.2	3610.2	3606.0	3591.4	3587.2
17.5°	3572.6	3543.5	3553.9	3543.5	3549.7	3545.5	3543.5	3533.0	3533.0	3516.4	3503.8
20°	3493.4	3468.4	3462.2	3453.8	3462.2	3453.8	3441.3	3433.0	3430.9	3414.2	3403.8
22.5°	3401.7	3372.5	3376.7	3353.8	3355.9	3343.4	3322.5	3314.2	3305.8	3287.1	3272.5
25°	3291.2	3262.1	3241.2	3226.6	3207.9	3205.8	3178.7	3157.8	3155.8	3132.8	3130.7
27.5°	3166.2	3132.8	3116.2	3080.7	3057.8	3039.0	3016.1	2995.3	2984.8	2959.8	2943.2
30°	3022.4	2984.8	2943.2	2918.1	2882.7	2868.1	2828.5	2803.5	2795.2	2768.1	2755.6
32.5°	2859.8	2820.2	2786.8	2738.9	2699.3	2678.4	2638.8	2613.8	2603.4	2574.2	2557.5
35°	2682.6	2638.8	2599.2	2553.4	2522.1	2486.7	2438.7	2413.7	2390.8	2380.4	2367.9
37.5°	2497.1	2449.2	2403.3	2357.4	2330.3	2288.7	2247.0	2230.3	2203.2	2192.8	2180.3
40°	2305.3	2257.4	2213.6	2169.8	2138.6	2101.1	2063.5	2057.3	2028.1	2017.7	2009.3
42.5°	2115.6	2065.6	2015.6	1984.3	1961.4	1923.9	1898.9	1892.6	1867.6	1861.4	1861.4
45°	1944.7	1882.2	1840.5	1813.4	1794.7	1763.4	1742.5	1738.4	1717.5	1713.4	1713.4
47.5°	1761.3	1702.9	1671.7	1655.0	1638.3	1615.4	1602.9	1602.9	1582.0	1577.9	1575.8
50°	1590.4	1536.2	1513.3	1496.6	1494.5	1477.8	1467.4	1463.2	1463.2	1448.6	1450.7
52.5°	1427.8	1400.7	1381.9	1371.5	1359.0	1348.6	1340.3	1340.3	1334.0	1323.6	1327.8
55°	1277.7	1246.5	1248.5	1240.2	1234.0	1227.7	1229.8	1217.3	1215.2	1206.9	1213.1
57.5°	1127.7	1127.7	1123.5	1117.2	1106.8	1111.0	1111.0	1111.0	1100.6	1094.3	1100.6
60°	1000.5	1006.8	996.3	1002.6	998.4	1000.5	996.3	996.3	990.1	988.0	990.1
62.5°	887.9	898.4	894.2	902.5	898.4	900.5	904.6	896.3	892.1	887.9	892.1
65°	787.9	800.4	798.3	804.6	806.7	808.7	810.8	806.7	802.5	798.3	796.2
67.5°	700.4	712.9	721.2	723.3	725.4	731.6	729.5	725.4	721.2	714.9	712.9
70°	621.1	637.8	648.2	652.4	660.7	656.6	656.6	654.5	650.3	644.1	642.0
72.5°	554.4	573.2	583.6	587.8	596.1	596.1	594.0	592.0	587.8	581.5	579.5
75°	496.1	512.8	527.3	535.7	541.9	541.9	539.9	537.8	533.6	529.4	527.3
77.5°	450.2	464.8	477.3	487.7	491.9	494.0	491.9	487.7	487.7	485.7	483.6
80°	404.4	421.0	433.6	444.0	450.2	450.2	448.1	450.2	446.1	444.0	441.9
82.5°	364.8	383.5	398.1	408.5	412.7	414.8	412.7	414.8	410.6	410.6	410.6
85°	329.3	348.1	364.8	373.1	379.4	381.4	381.4	381.4	379.4	379.4	379.4
87.5°	300.2	318.9	335.6	343.9	350.2	352.3	352.3	354.3	350.2	350.2	350.2
90°	273.1	291.8	308.5	316.8	323.1	327.2	327.2	329.3	327.2	325.2	325.2
92.5°	248.0	268.9	285.6	293.9	300.2	306.4	306.4	308.5	304.3	304.3	304.3
95°	227.2	248.0	262.6	273.1	279.3	283.5	285.6	285.6	283.5	283.5	283.5
97.5°	208.4	227.2	241.8	252.2	258.5	260.5	262.6	264.7	262.6	262.6	262.6
100°	189.7	208.4	223.0	231.4	239.7	241.8	243.9	246.0	246.0	243.9	243.9
102.5°	173.0	191.8	204.3	214.7	220.9	225.1	227.2	227.2	227.2	227.2	227.2
105°	156.3	175.1	187.6	198.0	204.3	208.4	210.5	212.6	212.6	210.5	210.5
107.5°	141.7	158.4	173.0	181.3	189.7	193.8	195.9	195.9	198.0	195.9	195.9
110°	127.1	145.9	158.4	166.8	175.1	179.3	181.3	183.4	183.4	183.4	183.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	116.7	131.3	143.8	152.2	160.5	164.7	166.8	168.8	170.9	168.8	168.8
115°	104.2	118.8	131.3	139.7	145.9	150.1	154.2	156.3	156.3	158.4	156.3
117.5°	93.8	106.3	118.8	127.1	133.4	139.7	141.7	143.8	145.9	143.8	143.8
120°	83.4	95.9	106.3	114.6	120.9	127.1	129.2	131.3	133.4	131.3	131.3
122.5°	75.0	85.5	95.9	104.2	110.5	114.6	118.8	118.8	120.9	120.9	120.9
125°	66.7	77.1	85.5	93.8	100.1	104.2	106.3	108.4	108.4	110.5	110.5
127.5°	58.4	66.7	77.1	83.4	89.6	93.8	95.9	98.0	98.0	100.1	100.1
130°	50.0	58.4	66.7	73.0	79.2	83.4	85.5	87.5	89.6	89.6	89.6
132.5°	43.8	52.1	58.4	64.6	68.8	73.0	77.1	79.2	79.2	79.2	79.2
135°	35.4	43.8	50.0	56.3	60.4	64.6	66.7	70.9	70.9	70.9	70.9
137.5°	29.2	37.5	43.8	47.9	52.1	56.3	58.4	60.4	62.5	62.5	62.5
140°	22.9	29.2	35.4	41.7	45.9	47.9	52.1	52.1	54.2	54.2	54.2
142.5°	16.7	22.9	27.1	33.4	37.5	41.7	43.8	45.9	45.9	45.9	45.9
145°	12.5	16.7	20.8	25.0	31.3	33.4	35.4	37.5	39.6	39.6	39.6
147.5°	8.3	12.5	14.6	18.8	22.9	27.1	29.2	31.3	33.4	33.4	33.4
150°	6.3	8.3	12.5	14.6	16.7	20.8	25.0	25.0	27.1	27.1	25.0
152.5°	4.2	6.3	8.3	10.4	12.5	14.6	18.8	18.8	20.8	20.8	20.8
155°	4.2	4.2	4.2	6.3	8.3	10.4	12.5	14.6	14.6	14.6	14.6
157.5°	4.2	4.2	4.2	4.2	4.2	6.3	8.3	10.4	10.4	10.4	10.4
160°	4.2	4.2	2.1	2.1	4.2	4.2	4.2	4.2	6.3	6.3	6.3
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-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4
2.5°	3785.2	3789.4	3789.4	3785.2	3783.2	3791.5	3781.1	3741.5	3754.0	3758.1	3770.7
5°	3766.5	3770.7	3770.7	3770.7	3766.5	3774.8	3764.4	3724.8	3739.4	3745.6	3754.0
7.5°	3739.4	3741.5	3745.6	3743.6	3739.4	3751.9	3741.5	3701.9	3712.3	3722.7	3733.1
10°	3704.0	3704.0	3706.0	3710.2	3706.0	3716.5	3706.0	3670.6	3681.0	3687.3	3699.8
12.5°	3656.0	3660.2	3662.3	3660.2	3658.1	3666.4	3662.3	3628.9	3633.1	3645.6	3658.1
15°	3591.4	3591.4	3601.8	3597.6	3597.6	3606.0	3610.2	3572.6	3578.9	3597.6	3610.2
17.5°	3512.2	3514.3	3522.6	3526.8	3524.7	3539.3	3541.4	3512.2	3510.1	3533.0	3545.5
20°	3410.1	3414.2	3424.6	3433.0	3433.0	3449.7	3455.9	3437.1	3439.2	3464.2	3468.4
22.5°	3285.0	3285.0	3303.7	3316.3	3326.7	3337.1	3355.9	3339.2	3339.2	3372.5	3391.3
25°	3130.7	3145.3	3151.6	3176.6	3191.2	3220.4	3237.0	3239.1	3241.2	3272.5	3285.0
27.5°	2959.8	2964.0	2982.8	3011.9	3028.6	3055.7	3087.0	3093.2	3103.6	3145.3	3164.1
30°	2766.0	2778.5	2786.8	2828.5	2851.4	2886.9	2926.5	2941.1	2949.4	3005.7	3028.6
32.5°	2568.0	2572.1	2607.6	2630.5	2657.6	2695.1	2741.0	2768.1	2784.7	2843.1	2876.4
35°	2369.9	2378.3	2407.5	2436.6	2463.7	2501.3	2549.2	2586.7	2615.9	2668.0	2711.8
37.5°	2188.6	2209.4	2215.7	2244.9	2265.7	2303.2	2336.6	2390.8	2420.0	2474.2	2530.4
40°	2026.0	2032.3	2036.4	2065.6	2080.2	2115.6	2163.6	2199.0	2238.6	2278.2	2344.9
42.5°	1865.5	1869.7	1875.9	1892.6	1909.3	1934.3	1969.7	2005.2	2046.9	2105.2	2149.0
45°	1717.5	1721.7	1725.9	1736.3	1750.9	1773.8	1796.7	1821.8	1863.4	1913.5	1959.3
47.5°	1580.0	1588.3	1588.3	1590.4	1600.8	1619.6	1636.2	1667.5	1690.4	1717.5	1769.6
50°	1448.6	1454.9	1457.0	1457.0	1463.2	1475.7	1479.9	1500.8	1521.6	1546.6	1584.1
52.5°	1325.7	1325.7	1323.6	1331.9	1331.9	1340.3	1342.3	1354.8	1369.4	1396.5	1413.2
55°	1208.9	1208.9	1215.2	1211.0	1211.0	1215.2	1213.1	1215.2	1227.7	1244.4	1259.0
57.5°	1096.4	1094.3	1100.6	1096.4	1094.3	1098.5	1102.6	1094.3	1096.4	1113.1	1113.1
60°	983.8	985.9	992.2	988.0	988.0	988.0	983.8	979.7	975.5	985.9	990.1
62.5°	894.2	887.9	894.2	887.9	892.1	890.0	885.9	877.5	879.6	875.4	871.3
65°	800.4	800.4	802.5	796.2	800.4	800.4	794.2	792.1	779.6	775.4	765.0
67.5°	719.1	719.1	721.2	717.0	717.0	719.1	712.9	706.6	694.1	687.8	673.3
70°	648.2	648.2	648.2	646.2	646.2	646.2	642.0	633.7	621.1	610.7	592.0
72.5°	583.6	585.7	583.6	583.6	589.9	583.6	577.4	569.0	558.6	537.8	521.1
75°	531.5	533.6	531.5	531.5	531.5	529.4	527.3	514.8	502.3	485.7	460.6
77.5°	485.7	485.7	487.7	485.7	485.7	483.6	477.3	466.9	452.3	437.7	408.5
80°	441.9	444.0	446.1	448.1	444.0	441.9	435.6	427.3	408.5	391.9	362.7
82.5°	410.6	408.5	410.6	412.7	408.5	406.5	400.2	389.8	375.2	352.3	323.1
85°	379.4	377.3	377.3	379.4	377.3	373.1	366.9	356.4	341.8	318.9	289.7
87.5°	348.1	350.2	352.3	350.2	348.1	343.9	337.7	327.2	310.6	291.8	260.5
90°	325.2	325.2	325.2	325.2	323.1	318.9	312.7	300.2	285.6	262.6	235.5
92.5°	304.3	304.3	304.3	304.3	302.2	296.0	289.7	279.3	262.6	239.7	214.7
95°	283.5	285.6	283.5	283.5	279.3	277.2	266.8	256.4	241.8	218.9	191.8
97.5°	260.5	262.6	260.5	260.5	258.5	254.3	248.0	235.5	220.9	200.1	175.1
100°	243.9	243.9	241.8	241.8	239.7	235.5	227.2	216.8	202.2	181.3	156.3
102.5°	225.1	227.2	225.1	225.1	220.9	216.8	210.5	200.1	185.5	164.7	141.7
105°	210.5	210.5	208.4	208.4	204.3	200.1	193.8	181.3	168.8	150.1	127.1
107.5°	195.9	195.9	193.8	193.8	189.7	185.5	177.2	166.8	154.2	135.5	114.6
110°	181.3	181.3	181.3	179.3	175.1	168.8	162.6	152.2	139.7	123.0	102.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	170.9	168.8	166.8	164.7	160.5	156.3	148.0	137.6	125.1	110.5	91.7
115°	156.3	156.3	154.2	152.2	148.0	141.7	135.5	127.1	114.6	98.0	81.3
117.5°	143.8	143.8	141.7	139.7	135.5	129.2	123.0	114.6	102.1	87.5	73.0
120°	131.3	131.3	129.2	127.1	123.0	116.7	112.6	102.1	91.7	77.1	64.6
122.5°	120.9	118.8	118.8	114.6	112.6	106.3	100.1	91.7	81.3	68.8	56.3
125°	108.4	108.4	106.3	104.2	102.1	95.9	89.6	81.3	70.9	60.4	50.0
127.5°	98.0	98.0	95.9	93.8	91.7	85.5	79.2	73.0	62.5	52.1	41.7
130°	87.5	87.5	85.5	83.4	81.3	75.0	70.9	62.5	54.2	45.9	35.4
132.5°	79.2	79.2	77.1	75.0	70.9	66.7	62.5	54.2	47.9	39.6	31.3
135°	70.9	68.8	68.8	66.7	62.5	58.4	54.2	47.9	39.6	33.4	25.0
137.5°	62.5	60.4	58.4	56.3	54.2	50.0	45.9	41.7	35.4	27.1	20.8
140°	54.2	52.1	52.1	50.0	45.9	43.8	39.6	33.4	29.2	22.9	16.7
142.5°	45.9	45.9	43.8	41.7	39.6	37.5	33.4	29.2	22.9	18.8	12.5
145°	39.6	37.5	37.5	35.4	33.4	29.2	27.1	22.9	18.8	14.6	10.4
147.5°	31.3	31.3	31.3	29.2	27.1	25.0	22.9	18.8	14.6	10.4	6.3
150°	25.0	25.0	25.0	22.9	20.8	18.8	16.7	14.6	10.4	6.3	4.2
152.5°	20.8	20.8	18.8	18.8	16.7	14.6	12.5	10.4	6.3	4.2	4.2
155°	14.6	14.6	14.6	12.5	12.5	10.4	8.3	6.3	4.2	4.2	4.2
157.5°	10.4	10.4	10.4	8.3	8.3	6.3	6.3	4.2	4.2	4.2	4.2
160°	6.3	6.3	6.3	6.3	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4	3789.4
2.5°	3764.4	3762.3	3779.0	3779.0	3760.2	3789.4	3820.7
5°	3751.9	3749.8	3766.5	3766.5	3749.8	3779.0	3812.3
7.5°	3726.9	3729.0	3745.6	3749.8	3729.0	3756.1	3791.5
10°	3699.8	3697.7	3716.5	3720.6	3704.0	3729.0	3762.3
12.5°	3656.0	3656.0	3674.8	3681.0	3664.3	3693.5	3724.8
15°	3610.2	3610.2	3622.7	3633.1	3618.5	3645.6	3676.9
17.5°	3551.8	3549.7	3562.2	3574.7	3560.1	3589.3	3622.7
20°	3476.8	3476.8	3491.3	3505.9	3495.5	3522.6	3560.1
22.5°	3397.5	3389.2	3414.2	3424.6	3418.4	3445.5	3483.0
25°	3297.5	3295.4	3320.4	3335.0	3326.7	3355.9	3389.2
27.5°	3189.1	3187.0	3212.0	3230.8	3226.6	3253.7	3291.2
30°	3057.8	3068.2	3091.1	3122.4	3112.0	3141.2	3180.8
32.5°	2920.2	2930.6	2957.7	2991.1	2993.2	3016.1	3055.7
35°	2755.6	2782.7	2801.4	2845.2	2853.5	2876.4	2918.1
37.5°	2582.6	2613.8	2653.4	2686.8	2703.4	2722.2	2770.1
40°	2388.7	2434.6	2478.3	2517.9	2538.8	2557.5	2603.4
42.5°	2213.6	2249.1	2290.7	2330.3	2367.9	2384.5	2432.5
45°	2015.6	2057.3	2094.8	2142.7	2180.3	2199.0	2247.0
47.5°	1821.8	1863.4	1913.5	1946.8	1986.4	2005.2	2051.0
50°	1636.2	1673.8	1715.4	1755.1	1788.4	1805.1	1844.7
52.5°	1452.8	1492.4	1532.0	1557.0	1592.5	1605.0	1638.3
55°	1290.2	1317.3	1352.8	1367.4	1402.8	1411.1	1434.1
57.5°	1133.9	1152.7	1165.2	1190.2	1215.2	1234.0	1261.1
60°	992.2	1000.5	1008.8	1023.4	1044.3	1050.5	1061.0
62.5°	865.0	862.9	879.6	883.8	885.9	906.7	896.3
65°	752.5	754.5	740.0	733.7	742.0	748.3	744.1
67.5°	658.7	646.2	633.7	619.1	606.6	612.8	606.6
70°	567.0	556.5	535.7	514.8	506.5	494.0	487.7
72.5°	494.0	469.0	448.1	421.0	406.5	391.9	381.4
75°	437.7	402.3	373.1	343.9	323.1	302.2	298.1
77.5°	379.4	346.0	312.7	281.4	250.1	227.2	218.9
80°	333.5	302.2	262.6	225.1	191.8	162.6	152.2
82.5°	291.8	258.5	218.9	179.3	141.7	110.5	98.0
85°	256.4	220.9	181.3	141.7	104.2	70.9	54.2
87.5°	229.3	189.7	150.1	112.6	73.0	39.6	20.8
90°	204.3	166.8	129.2	89.6	52.1	20.8	0.0
92.5°	181.3	145.9	108.4	73.0	39.6	12.5	2.1
95°	160.5	129.2	91.7	58.4	29.2	8.3	2.1
97.5°	143.8	112.6	79.2	47.9	22.9	6.3	2.1
100°	129.2	98.0	68.8	39.6	18.8	4.2	2.1
102.5°	114.6	87.5	58.4	33.4	14.6	2.1	2.1
105°	102.1	77.1	50.0	29.2	12.5	2.1	2.1
107.5°	91.7	68.8	43.8	25.0	8.3	2.1	2.1
110°	81.3	58.4	37.5	20.8	6.3	2.1	2.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	73.0	52.1	33.4	16.7	4.2	2.1	2.1
115°	64.6	45.9	29.2	14.6	4.2	2.1	2.1
117.5°	56.3	39.6	25.0	10.4	2.1	2.1	2.1
120°	50.0	35.4	20.8	8.3	2.1	2.1	2.1
122.5°	43.8	29.2	16.7	6.3	2.1	2.1	2.1
125°	37.5	25.0	14.6	4.2	2.1	2.1	2.1
127.5°	31.3	20.8	10.4	4.2	2.1	2.1	2.1
130°	27.1	16.7	8.3	2.1	2.1	2.1	2.1
132.5°	22.9	12.5	6.3	2.1	2.1	2.1	2.1
135°	18.8	10.4	4.2	2.1	2.1	2.1	2.1
137.5°	14.6	8.3	4.2	2.1	2.1	2.1	2.1
140°	10.4	6.3	2.1	2.1	2.1	2.1	2.1
142.5°	8.3	4.2	2.1	2.1	2.1	2.1	2.1
145°	6.3	4.2	2.1	2.1	2.1	2.1	2.1
147.5°	4.2	4.2	4.2	4.2	2.1	2.1	2.1
150°	4.2	4.2	2.1	2.1	4.2	2.1	2.1
152.5°	4.2	2.1	2.1	2.1	4.2	2.1	2.1
155°	4.2	4.2	4.2	4.2	4.2	4.2	2.1
157.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2
160°	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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)