

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

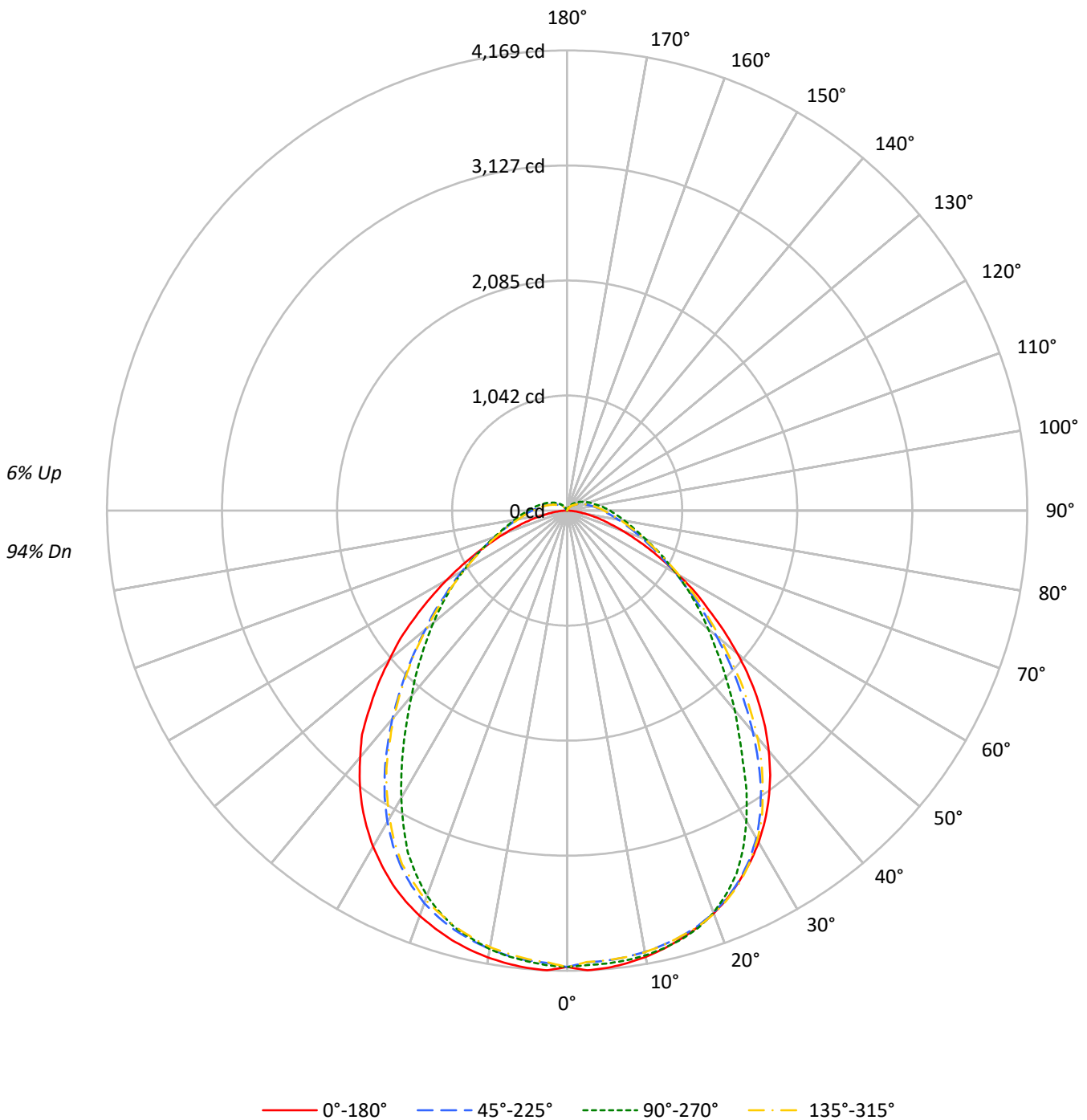
Lumens per Lamp: N/A
Luminaire Lumens: 10464.0 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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-L950-CD1-U

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	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°	16707	16707	16707	16707
5°	16849	16174	16849	16103
10°	16797	15745	16825	15526
15°	16712	15274	16788	14877
20°	16609	14670	16706	14050
25°	16368	13772	16549	12961
30°	16048	12454	16258	11529
35°	15536	10838	15835	10092
40°	14789	9478	15180	8794
45°	13794	8239	14242	7767
50°	12421	7240	12968	6875
55°	10782	6394	11566	6070
60°	9108	5614	9932	5290
65°	7511	4963	8268	4602
70°	6028	4405	6750	4074
75°	4797	4066	5402	3741
80°	3548	3924	4181	3586
85°	2325	3946	3131	3627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.0	3.7
10°-20°	1124.0	10.7
20°-30°	1665.9	15.9
30°-40°	1850.7	17.7
40°-50°	1677.7	16.0
50°-60°	1300.0	12.4
60°-70°	882.8	8.4
70°-80°	561.6	5.4
80°-90°	359.1	3.4
90°-100°	242.1	2.3
100°-110°	165.8	1.6
110°-120°	110.6	1.1
120°-130°	68.8	0.7
130°-140°	38.1	0.4
140°-150°	17.9	0.2
150°-160°	6.6	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	3181.9	30.4
0°-40°	5032.6	48.1
0°-60°	8010.3	76.6
0°-90°	9813.8	93.8
90°-120°	518.5	5.0
90°-150°	643.2	6.1
90°-180°	650.0	6.2
0°-180°	10464.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4135	4135	4135	4135	4135	
5°	4160	4119	4160	4101	4160	395
15°	4012	4019	4030	3914	4012	1132
25°	3698	3630	3739	3416	3698	1703
35°	3184	2775	3246	2584	3184	1986
45°	2452	1983	2531	1870	2452	1883
55°	1565	1394	1678	1324	1565	1409
65°	812	937	894	869	812	814
75°	325	625	366	575	325	350
85°	59	450	80	414	59	71
90°	0	389	4	355	0	3
95°	2	332	0	309	2	2
105°	2	243	0	230	2	2
115°	2	184	0	171	2	2
125°	2	136	2	120	2	2
135°	2	96	2	77	2	2
145°	2	61	2	43	2	1
155°	2	34	2	16	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-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8
2.5°	4168.9	4164.3	4159.8	4153.0	4159.8	4178.0	4166.6	4141.6	4137.0	4096.1	4114.3
5°	4159.8	4153.0	4148.4	4141.6	4150.7	4173.4	4162.1	4139.3	4132.5	4093.8	4114.3
7.5°	4137.0	4132.5	4125.7	4125.7	4134.8	4157.5	4148.4	4123.4	4118.8	4080.2	4102.9
10°	4105.2	4102.9	4098.4	4098.4	4107.5	4134.8	4123.4	4100.6	4096.1	4059.7	4084.7
12.5°	4064.3	4066.5	4059.7	4059.7	4073.4	4100.6	4091.6	4066.5	4062.0	4030.1	4055.2
15°	4011.9	4014.2	4009.7	4011.9	4025.6	4057.4	4046.1	4023.3	4018.8	3993.8	4014.2
17.5°	3952.8	3955.1	3955.1	3952.8	3968.7	4000.6	3991.5	3971.0	3964.2	3943.7	3968.7
20°	3884.6	3884.6	3884.6	3884.6	3902.8	3934.6	3923.2	3907.3	3893.7	3877.8	3898.2
22.5°	3800.4	3798.2	3800.4	3807.3	3825.5	3850.5	3843.6	3825.5	3805.0	3795.9	3811.8
25°	3698.1	3704.9	3707.2	3714.0	3736.8	3757.2	3750.4	3732.2	3700.4	3693.5	3698.1
27.5°	3591.2	3595.7	3602.6	3600.3	3632.1	3652.6	3639.0	3623.0	3577.5	3570.7	3566.2
30°	3470.7	3477.5	3482.0	3479.8	3504.8	3527.5	3513.9	3493.4	3432.0	3427.4	3391.1
32.5°	3334.2	3341.0	3345.6	3345.6	3382.0	3391.1	3366.0	3336.5	3270.5	3254.6	3222.8
35°	3184.1	3190.9	3193.2	3193.2	3229.6	3227.3	3195.5	3154.5	3081.7	3061.3	3006.7
37.5°	3022.6	3027.2	3029.4	3043.1	3059.0	3045.4	3004.4	2952.1	2897.5	2840.7	2781.5
40°	2840.7	2847.5	2852.0	2861.1	2877.0	2861.1	2802.0	2738.3	2679.2	2615.5	2556.4
42.5°	2654.2	2674.6	2670.1	2667.8	2676.9	2633.7	2588.2	2515.4	2456.3	2390.3	2331.2
45°	2451.7	2449.5	2460.8	2465.4	2463.1	2426.7	2363.0	2297.1	2238.0	2169.7	2119.7
47.5°	2238.0	2235.7	2244.8	2249.3	2235.7	2197.0	2147.0	2071.9	2021.9	1962.8	1924.1
50°	2012.8	2012.8	2026.4	2012.8	2006.0	1967.3	1926.4	1851.3	1812.7	1760.3	1737.6
52.5°	1787.6	1808.1	1794.5	1789.9	1783.1	1744.4	1712.6	1651.2	1619.3	1596.6	1569.3
55°	1564.8	1587.5	1578.4	1571.6	1569.3	1537.5	1507.9	1462.4	1441.9	1426.0	1410.1
57.5°	1376.0	1373.7	1369.2	1362.3	1364.6	1339.6	1310.0	1285.0	1275.9	1269.1	1273.6
60°	1157.6	1175.8	1169.0	1171.3	1173.6	1169.0	1144.0	1128.1	1130.4	1132.6	1139.4
62.5°	978.0	993.9	1005.3	996.2	1000.7	1007.5	993.9	989.3	998.4	1007.5	1016.6
65°	811.9	827.9	839.2	837.0	850.6	864.3	862.0	866.5	887.0	898.4	909.7
67.5°	661.8	677.8	693.7	696.0	716.4	736.9	746.0	761.9	784.6	800.6	814.2
70°	532.2	545.8	564.0	575.4	602.7	630.0	645.9	677.8	691.4	714.1	723.2
72.5°	416.2	427.6	452.6	479.9	502.6	536.7	568.6	595.9	616.3	641.4	652.7
75°	325.2	329.8	357.1	388.9	420.8	459.4	493.5	523.1	550.4	575.4	593.6
77.5°	238.8	245.6	270.6	313.9	350.2	391.2	429.9	461.7	491.3	516.3	541.3
80°	166.0	179.7	207.0	250.2	291.1	336.6	373.0	409.4	441.2	466.2	491.3
82.5°	106.9	118.3	156.9	200.1	243.4	288.8	327.5	363.9	398.0	425.3	448.0
85°	59.1	75.1	113.7	159.2	202.4	247.9	288.8	325.2	359.3	384.4	407.1
87.5°	22.7	45.5	81.9	125.1	168.3	211.5	254.7	288.8	323.0	350.2	370.7
90°	0.0	27.3	61.4	104.6	147.8	191.0	232.0	268.4	300.2	325.2	348.0
92.5°	2.3	18.2	47.8	84.2	125.1	166.0	204.7	241.1	272.9	297.9	318.4
95°	2.3	13.6	38.7	72.8	109.2	147.8	184.2	218.3	247.9	272.9	293.4
97.5°	2.3	9.1	31.8	63.7	95.5	134.2	168.3	200.1	227.4	252.5	268.4
100°	2.3	9.1	27.3	54.6	86.4	120.5	152.4	184.2	209.2	229.7	247.9
102.5°	2.3	6.8	22.7	47.8	77.3	106.9	138.7	168.3	191.0	211.5	229.7
105°	2.3	6.8	20.5	40.9	68.2	97.8	125.1	152.4	177.4	195.6	211.5
107.5°	2.3	4.5	18.2	34.1	59.1	88.7	116.0	138.7	161.5	179.7	195.6
110°	2.3	4.5	15.9	31.8	52.3	79.6	104.6	127.4	147.8	166.0	179.7



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CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.3	4.5	13.6	29.6	47.8	70.5	95.5	116.0	136.5	152.4	166.0
115°	2.3	4.5	13.6	27.3	43.2	61.4	84.2	106.9	122.8	141.0	152.4
117.5°	2.3	4.5	11.4	22.7	40.9	56.9	77.3	95.5	113.7	129.6	141.0
120°	2.3	4.5	11.4	20.5	36.4	52.3	68.2	86.4	104.6	116.0	127.4
122.5°	2.3	4.5	9.1	20.5	31.8	47.8	61.4	77.3	93.2	106.9	118.3
125°	2.3	4.5	9.1	18.2	29.6	43.2	56.9	68.2	84.2	95.5	106.9
127.5°	2.3	4.5	9.1	15.9	27.3	38.7	52.3	63.7	75.1	86.4	95.5
130°	2.3	4.5	6.8	13.6	25.0	34.1	45.5	59.1	68.2	77.3	86.4
132.5°	2.3	4.5	6.8	13.6	20.5	29.6	40.9	52.3	61.4	70.5	77.3
135°	2.3	4.5	6.8	11.4	18.2	27.3	34.1	45.5	54.6	63.7	70.5
137.5°	2.3	4.5	6.8	11.4	15.9	22.7	29.6	38.7	47.8	54.6	63.7
140°	2.3	4.5	6.8	9.1	13.6	20.5	27.3	31.8	40.9	47.8	54.6
142.5°	2.3	4.5	6.8	9.1	13.6	18.2	22.7	27.3	34.1	40.9	47.8
145°	2.3	4.5	6.8	9.1	11.4	15.9	20.5	25.0	27.3	34.1	38.7
147.5°	2.3	4.5	6.8	9.1	9.1	13.6	18.2	20.5	25.0	27.3	31.8
150°	2.3	4.5	6.8	6.8	9.1	11.4	15.9	18.2	20.5	25.0	27.3
152.5°	2.3	4.5	6.8	6.8	9.1	11.4	13.6	15.9	18.2	20.5	22.7
155°	2.3	4.5	6.8	6.8	6.8	9.1	11.4	13.6	15.9	18.2	20.5
157.5°	4.5	4.5	4.5	6.8	6.8	9.1	9.1	11.4	13.6	13.6	15.9
160°	4.5	4.5	4.5	6.8	6.8	6.8	9.1	9.1	11.4	11.4	13.6
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°	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8
2.5°	4109.7	4116.6	4137.0	4137.0	4132.5	4127.9	4127.9	4121.1	4125.7	4134.8	4130.2
5°	4109.7	4116.6	4137.0	4137.0	4132.5	4127.9	4125.7	4118.8	4125.7	4134.8	4130.2
7.5°	4096.1	4105.2	4125.7	4125.7	4121.1	4118.8	4114.3	4109.7	4116.6	4125.7	4121.1
10°	4077.9	4087.0	4107.5	4107.5	4102.9	4102.9	4096.1	4091.6	4100.6	4107.5	4105.2
12.5°	4050.6	4062.0	4080.2	4077.9	4073.4	4075.6	4068.8	4059.7	4068.8	4075.6	4077.9
15°	4011.9	4025.6	4043.8	4039.2	4032.4	4037.0	4025.6	4018.8	4025.6	4039.2	4037.0
17.5°	3961.9	3971.0	3984.7	3984.7	3977.8	3973.3	3968.7	3961.9	3966.5	3975.6	3977.8
20°	3891.4	3902.8	3909.6	3902.8	3900.5	3893.7	3884.6	3877.8	3886.9	3900.5	3902.8
22.5°	3798.2	3800.4	3816.4	3800.4	3789.1	3786.8	3777.7	3764.0	3777.7	3789.1	3791.3
25°	3682.2	3693.5	3686.7	3659.4	3659.4	3641.2	3636.7	3629.9	3632.1	3652.6	3661.7
27.5°	3534.3	3538.9	3520.7	3497.9	3477.5	3466.1	3450.2	3452.5	3452.5	3479.8	3488.8
30°	3372.9	3347.8	3331.9	3295.5	3279.6	3252.3	3247.8	3247.8	3243.2	3256.9	3297.8
32.5°	3179.5	3145.4	3120.4	3086.3	3059.0	3031.7	3018.1	3024.9	3022.6	3056.7	3070.4
35°	2968.0	2947.6	2895.2	2852.0	2836.1	2795.2	2795.2	2774.7	2788.4	2827.0	2842.9
37.5°	2745.1	2713.3	2670.1	2622.3	2611.0	2579.1	2567.7	2556.4	2585.9	2592.8	2608.7
40°	2517.7	2488.1	2447.2	2401.7	2401.7	2363.0	2363.0	2363.0	2365.3	2379.0	2408.5
42.5°	2301.6	2269.8	2233.4	2201.6	2197.0	2167.5	2167.5	2165.2	2169.7	2181.1	2208.4
45°	2092.4	2067.4	2028.7	2012.8	2015.1	1983.2	1990.1	1983.2	1992.3	2003.7	2012.8
47.5°	1899.1	1883.2	1867.2	1844.5	1837.7	1835.4	1824.0	1814.9	1830.8	1830.8	1844.5
50°	1719.4	1710.3	1701.2	1687.6	1689.8	1680.7	1667.1	1667.1	1678.5	1680.7	1689.8
52.5°	1562.5	1551.1	1539.7	1542.0	1544.3	1539.7	1532.9	1526.1	1532.9	1537.5	1548.8
55°	1405.5	1396.4	1407.8	1403.3	1407.8	1403.3	1398.7	1394.2	1405.5	1398.7	1410.1
57.5°	1264.5	1273.6	1278.2	1269.1	1275.9	1271.4	1273.6	1266.8	1275.9	1280.5	1278.2
60°	1134.9	1148.5	1141.7	1144.0	1153.1	1148.5	1139.4	1146.3	1155.4	1157.6	1155.4
62.5°	1016.6	1032.6	1039.4	1034.8	1037.1	1032.6	1039.4	1030.3	1041.7	1046.2	1039.4
65°	909.7	927.9	932.5	932.5	932.5	927.9	934.8	937.0	941.6	941.6	937.0
67.5°	818.8	834.7	839.2	843.8	839.2	834.7	834.7	837.0	846.1	850.6	846.1
70°	736.9	752.8	755.1	755.1	757.4	761.9	752.8	757.4	764.2	766.5	764.2
72.5°	666.4	682.3	686.9	684.6	686.9	689.1	689.1	684.6	691.4	696.0	696.0
75°	609.5	618.6	623.2	623.2	625.4	627.7	627.7	625.4	630.0	632.3	634.5
77.5°	557.2	564.0	570.9	570.9	573.1	570.9	575.4	575.4	577.7	580.0	582.2
80°	504.9	514.0	518.6	520.8	525.4	527.6	527.6	527.6	529.9	532.2	532.2
82.5°	464.0	470.8	477.6	484.4	484.4	486.7	486.7	486.7	489.0	489.0	491.3
85°	423.0	432.1	438.9	443.5	445.8	448.0	448.0	450.3	450.3	450.3	452.6
87.5°	386.6	398.0	402.6	407.1	409.4	413.9	413.9	413.9	416.2	416.2	416.2
90°	361.6	373.0	377.5	382.1	384.4	386.6	386.6	388.9	388.9	391.2	391.2
92.5°	332.1	343.4	352.5	352.5	354.8	359.3	357.1	357.1	359.3	361.6	361.6
95°	309.3	318.4	325.2	327.5	329.8	329.8	329.8	332.1	329.8	332.1	332.1
97.5°	282.0	291.1	297.9	302.5	304.8	304.8	304.8	307.0	304.8	307.0	307.0
100°	259.3	268.4	275.2	277.5	282.0	282.0	282.0	282.0	282.0	282.0	284.3
102.5°	241.1	250.2	254.7	257.0	259.3	261.5	261.5	261.5	261.5	263.8	263.8
105°	222.9	232.0	236.5	238.8	241.1	243.4	243.4	243.4	245.6	245.6	243.4
107.5°	207.0	213.8	218.3	222.9	225.2	225.2	227.4	227.4	227.4	227.4	227.4
110°	191.0	197.9	204.7	209.2	209.2	211.5	211.5	213.8	213.8	211.5	213.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	175.1	184.2	188.8	193.3	195.6	197.9	197.9	197.9	197.9	197.9	197.9
115°	161.5	170.6	175.1	179.7	181.9	184.2	184.2	184.2	184.2	184.2	184.2
117.5°	150.1	159.2	163.8	166.0	168.3	170.6	172.9	172.9	172.9	172.9	170.6
120°	138.7	145.6	150.1	154.7	156.9	159.2	159.2	159.2	159.2	159.2	159.2
122.5°	127.4	134.2	138.7	143.3	145.6	147.8	147.8	147.8	147.8	147.8	147.8
125°	116.0	122.8	127.4	131.9	134.2	136.5	136.5	136.5	136.5	136.5	136.5
127.5°	104.6	111.4	118.3	120.5	122.8	125.1	125.1	125.1	127.4	125.1	125.1
130°	93.2	100.1	106.9	109.2	111.4	113.7	116.0	116.0	116.0	116.0	113.7
132.5°	84.2	91.0	95.5	97.8	102.3	102.3	104.6	104.6	104.6	104.6	102.3
135°	77.3	81.9	86.4	88.7	93.2	93.2	93.2	95.5	95.5	93.2	91.0
137.5°	68.2	72.8	77.3	79.6	81.9	84.2	84.2	86.4	84.2	84.2	84.2
140°	63.7	66.0	70.5	72.8	75.1	75.1	75.1	77.3	77.3	75.1	75.1
142.5°	54.6	59.1	63.7	66.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2
145°	45.5	52.3	54.6	59.1	59.1	61.4	61.4	61.4	61.4	61.4	59.1
147.5°	38.7	43.2	50.0	52.3	52.3	54.6	54.6	54.6	54.6	54.6	52.3
150°	29.6	34.1	40.9	45.5	45.5	47.8	47.8	47.8	47.8	45.5	45.5
152.5°	25.0	29.6	31.8	36.4	38.7	38.7	38.7	40.9	38.7	38.7	38.7
155°	22.7	25.0	27.3	29.6	31.8	34.1	34.1	34.1	34.1	31.8	31.8
157.5°	18.2	20.5	22.7	25.0	27.3	29.6	29.6	29.6	29.6	29.6	27.3
160°	13.6	15.9	18.2	18.2	20.5	22.7	25.0	22.7	22.7	22.7	22.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8
2.5°	4125.7	4123.4	4130.2	4118.8	4084.7	4093.8	4089.3	4109.7	4114.3	4118.8	4139.3
5°	4125.7	4123.4	4127.9	4118.8	4082.5	4089.3	4084.7	4105.2	4109.7	4112.0	4132.5
7.5°	4116.6	4114.3	4121.1	4109.7	4071.1	4080.2	4073.4	4093.8	4096.1	4098.4	4116.6
10°	4098.4	4096.1	4100.6	4091.6	4052.9	4062.0	4052.9	4073.4	4073.4	4077.9	4091.6
12.5°	4071.1	4066.5	4075.6	4064.3	4021.0	4032.4	4027.9	4041.5	4043.8	4046.1	4059.7
15°	4032.4	4027.9	4034.7	4027.9	3989.2	3991.5	3984.7	4005.1	4007.4	4002.9	4016.5
17.5°	3975.6	3971.0	3984.7	3980.1	3941.4	3950.5	3948.3	3952.8	3959.6	3948.3	3966.5
20°	3905.1	3909.6	3914.2	3916.4	3886.9	3886.9	3884.6	3893.7	3900.5	3891.4	3905.1
22.5°	3800.4	3811.8	3825.5	3830.0	3809.5	3807.3	3820.9	3816.4	3823.2	3818.6	3827.7
25°	3668.5	3691.3	3704.9	3718.6	3707.2	3711.7	3732.2	3736.8	3736.8	3734.5	3743.6
27.5°	3504.8	3534.3	3559.4	3588.9	3577.5	3586.6	3620.8	3625.3	3634.4	3625.3	3643.5
30°	3309.2	3336.5	3384.2	3427.4	3432.0	3445.6	3493.4	3497.9	3523.0	3513.9	3520.7
32.5°	3113.6	3127.2	3181.8	3225.0	3252.3	3286.4	3338.7	3347.8	3382.0	3388.8	3388.8
35°	2868.0	2906.6	2956.7	3018.1	3052.2	3088.6	3159.1	3172.7	3222.8	3238.7	3256.9
37.5°	2661.0	2697.4	2729.2	2792.9	2854.3	2895.2	2952.1	2986.2	3038.5	3068.1	3090.8
40°	2440.4	2469.9	2504.1	2567.7	2620.0	2681.5	2738.3	2779.3	2845.2	2879.3	2908.9
42.5°	2231.1	2253.9	2290.3	2335.8	2390.3	2458.6	2513.2	2560.9	2631.4	2679.2	2713.3
45°	2044.6	2058.3	2090.1	2124.2	2172.0	2242.5	2294.8	2356.2	2413.1	2463.1	2504.1
47.5°	1869.5	1887.7	1903.6	1926.4	1969.6	2012.8	2074.2	2133.3	2190.2	2244.8	2285.7
50°	1708.0	1708.0	1733.1	1749.0	1778.5	1817.2	1865.0	1905.9	1976.4	2015.1	2067.4
52.5°	1551.1	1560.2	1573.8	1582.9	1605.7	1630.7	1669.4	1703.5	1762.6	1799.0	1849.0
55°	1412.4	1421.5	1428.3	1432.8	1446.5	1476.1	1489.7	1517.0	1557.9	1587.5	1630.7
57.5°	1280.5	1285.0	1291.8	1294.1	1296.4	1314.6	1325.9	1332.8	1373.7	1403.3	1439.7
60°	1159.9	1159.9	1166.7	1164.5	1162.2	1171.3	1169.0	1175.8	1200.9	1219.1	1235.0
62.5°	1046.2	1046.2	1048.5	1043.9	1041.7	1041.7	1032.6	1039.4	1046.2	1048.5	1059.8
65°	941.6	953.0	943.9	946.1	932.5	927.9	923.4	909.7	907.5	898.4	902.9
67.5°	848.3	857.4	848.3	848.3	837.0	827.9	816.5	793.7	786.9	768.7	764.2
70°	773.3	766.5	771.0	764.2	750.5	739.2	723.2	705.0	682.3	659.6	643.6
72.5°	700.5	700.5	696.0	689.1	682.3	659.6	641.4	620.9	593.6	564.0	541.3
75°	630.0	632.3	632.3	625.4	614.1	593.6	573.1	543.6	514.0	479.9	450.3
77.5°	580.0	580.0	580.0	568.6	557.2	539.0	514.0	482.2	450.3	409.4	375.3
80°	532.2	529.9	529.9	516.3	504.9	484.4	459.4	427.6	393.5	350.2	311.6
82.5°	493.5	491.3	486.7	475.3	459.4	438.9	413.9	379.8	343.4	304.8	257.0
85°	452.6	450.3	445.8	434.4	418.5	400.3	373.0	338.9	302.5	259.3	213.8
87.5°	416.2	413.9	407.1	400.3	382.1	361.6	334.3	302.5	263.8	222.9	177.4
90°	391.2	386.6	382.1	373.0	357.1	334.3	307.0	272.9	234.3	193.3	147.8
92.5°	361.6	359.3	352.5	343.4	329.8	307.0	279.7	247.9	209.2	170.6	127.4
95°	332.1	329.8	325.2	316.1	302.5	282.0	257.0	225.2	188.8	150.1	111.4
97.5°	304.8	304.8	297.9	291.1	275.2	259.3	234.3	204.7	170.6	136.5	100.1
100°	282.0	282.0	275.2	266.1	254.7	238.8	213.8	186.5	154.7	122.8	86.4
102.5°	261.5	259.3	254.7	245.6	234.3	218.3	195.6	170.6	141.0	109.2	77.3
105°	243.4	241.1	236.5	227.4	218.3	200.1	181.9	156.9	127.4	97.8	68.2
107.5°	225.2	222.9	220.6	211.5	200.1	184.2	166.0	141.0	116.0	88.7	61.4
110°	209.2	207.0	202.4	193.3	181.9	168.3	150.1	129.6	104.6	79.6	54.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	195.6	193.3	188.8	179.7	170.6	154.7	138.7	116.0	95.5	72.8	47.8
115°	181.9	179.7	175.1	166.0	154.7	141.0	125.1	106.9	84.2	63.7	43.2
117.5°	168.3	166.0	161.5	154.7	143.3	129.6	113.7	95.5	75.1	59.1	38.7
120°	156.9	152.4	147.8	141.0	129.6	118.3	102.3	86.4	68.2	52.3	34.1
122.5°	145.6	141.0	136.5	129.6	118.3	106.9	91.0	77.3	63.7	47.8	31.8
125°	131.9	129.6	125.1	118.3	106.9	95.5	84.2	70.5	56.9	43.2	27.3
127.5°	120.5	118.3	113.7	104.6	95.5	86.4	75.1	63.7	50.0	36.4	25.0
130°	111.4	106.9	102.3	95.5	88.7	79.6	68.2	56.9	45.5	31.8	22.7
132.5°	100.1	95.5	91.0	86.4	79.6	70.5	61.4	50.0	40.9	29.6	20.5
135°	91.0	86.4	81.9	77.3	70.5	63.7	54.6	45.5	36.4	27.3	18.2
137.5°	79.6	77.3	75.1	70.5	63.7	56.9	50.0	38.7	31.8	25.0	15.9
140°	72.8	70.5	68.2	61.4	56.9	50.0	43.2	34.1	27.3	20.5	13.6
142.5°	66.0	63.7	59.1	54.6	50.0	45.5	36.4	31.8	25.0	18.2	13.6
145°	56.9	54.6	52.3	47.8	43.2	36.4	31.8	27.3	22.7	15.9	11.4
147.5°	52.3	50.0	45.5	40.9	36.4	31.8	29.6	25.0	18.2	13.6	9.1
150°	43.2	40.9	38.7	34.1	31.8	29.6	25.0	20.5	15.9	11.4	9.1
152.5°	36.4	34.1	31.8	31.8	27.3	25.0	20.5	18.2	13.6	11.4	6.8
155°	31.8	31.8	29.6	27.3	22.7	20.5	18.2	13.6	11.4	9.1	6.8
157.5°	27.3	25.0	22.7	22.7	20.5	18.2	13.6	11.4	9.1	9.1	6.8
160°	22.7	20.5	20.5	18.2	15.9	13.6	11.4	11.4	9.1	6.8	6.8
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8
2.5°	4141.6	4116.6	4139.3	4168.9	4168.9	4164.3	4159.8	4168.9	4191.6	4182.5	4155.2
5°	4134.8	4109.7	4130.2	4159.8	4159.8	4153.0	4148.4	4155.2	4180.3	4168.9	4143.9
7.5°	4121.1	4098.4	4112.0	4139.3	4139.3	4132.5	4127.9	4137.0	4157.5	4146.1	4118.8
10°	4096.1	4071.1	4087.0	4112.0	4109.7	4105.2	4098.4	4109.7	4127.9	4112.0	4080.2
12.5°	4064.3	4039.2	4052.9	4075.6	4073.4	4064.3	4059.7	4066.5	4082.5	4073.4	4039.2
15°	4021.0	3996.0	4007.4	4030.1	4023.3	4016.5	4007.4	4009.7	4030.1	4014.2	3977.8
17.5°	3968.7	3941.4	3950.5	3971.0	3964.2	3957.4	3946.0	3948.3	3971.0	3948.3	3909.6
20°	3905.1	3875.5	3882.3	3907.3	3896.0	3884.6	3873.2	3873.2	3896.0	3870.9	3827.7
22.5°	3836.8	3807.3	3811.8	3830.0	3820.9	3800.4	3789.1	3795.9	3807.3	3775.4	3729.9
25°	3752.7	3714.0	3720.8	3739.0	3732.2	3704.9	3693.5	3698.1	3693.5	3668.5	3620.8
27.5°	3654.9	3613.9	3618.5	3629.9	3620.8	3595.7	3582.1	3584.4	3575.3	3543.4	3488.8
30°	3532.1	3511.6	3509.3	3516.1	3502.5	3477.5	3461.6	3457.0	3454.7	3409.2	3343.3
32.5°	3407.0	3388.8	3377.4	3386.5	3370.6	3345.6	3318.3	3318.3	3295.5	3252.3	3195.5
35°	3279.6	3250.0	3238.7	3245.5	3227.3	3195.5	3172.7	3161.3	3127.2	3072.6	3011.2
37.5°	3115.9	3095.4	3081.7	3088.6	3068.1	3045.4	3002.1	2990.8	2954.4	2879.3	2802.0
40°	2938.5	2922.5	2908.9	2915.7	2893.0	2858.9	2820.2	2802.0	2761.1	2676.9	2615.5
42.5°	2747.4	2740.6	2724.7	2749.7	2704.2	2670.1	2631.4	2601.9	2560.9	2469.9	2399.4
45°	2545.0	2560.9	2524.5	2531.3	2501.8	2472.2	2431.3	2388.1	2347.1	2260.7	2181.1
47.5°	2331.2	2342.6	2317.6	2322.1	2290.3	2263.0	2226.6	2172.0	2126.5	2051.5	1981.0
50°	2110.6	2106.0	2106.0	2101.5	2076.5	2042.4	2006.0	1955.9	1910.5	1842.2	1783.1
52.5°	1876.3	1885.4	1890.0	1901.4	1869.5	1849.0	1792.2	1749.0	1714.9	1644.4	1594.3
55°	1651.2	1683.0	1673.9	1678.5	1642.1	1626.2	1580.7	1546.6	1496.5	1455.6	1423.7
57.5°	1446.5	1453.3	1457.9	1464.7	1448.8	1416.9	1380.5	1353.2	1314.6	1280.5	1257.7
60°	1248.6	1248.6	1250.9	1262.3	1246.3	1219.1	1191.8	1171.3	1144.0	1123.5	1109.9
62.5°	1062.1	1078.0	1080.3	1071.2	1050.7	1037.1	1018.9	1007.5	989.3	982.5	978.0
65°	889.3	889.3	889.3	893.8	882.4	873.3	862.0	859.7	866.5	857.4	862.0
67.5°	743.7	736.9	732.3	734.6	730.1	725.5	723.2	730.1	743.7	743.7	755.1
70°	618.6	605.0	595.9	595.9	595.9	598.2	605.0	618.6	641.4	650.5	666.4
72.5°	516.3	486.7	473.1	473.1	475.3	484.4	504.9	529.9	550.4	568.6	589.1
75°	418.5	388.9	368.4	366.2	370.7	384.4	413.9	436.7	470.8	495.8	520.8
77.5°	338.9	302.5	277.5	275.2	282.0	302.5	338.9	368.4	407.1	434.4	461.7
80°	270.6	229.7	209.2	195.6	207.0	232.0	272.9	309.3	345.7	382.1	416.2
82.5°	216.1	177.4	145.6	131.9	145.6	179.7	218.3	261.5	297.9	336.6	370.7
85°	170.6	129.6	93.2	79.6	95.5	131.9	175.1	218.3	259.3	297.9	332.1
87.5°	134.2	93.2	56.9	38.7	59.1	97.8	138.7	181.9	225.2	263.8	297.9
90°	104.6	66.0	31.8	4.5	34.1	70.5	111.4	152.4	195.6	234.3	268.4
92.5°	88.7	50.0	18.2	0.0	20.5	52.3	91.0	131.9	170.6	209.2	243.4
95°	75.1	40.9	13.6	0.0	13.6	40.9	75.1	111.4	150.1	188.8	222.9
97.5°	63.7	31.8	9.1	0.0	9.1	31.8	61.4	97.8	131.9	168.3	200.1
100°	54.6	27.3	6.8	0.0	6.8	25.0	52.3	84.2	118.3	152.4	181.9
102.5°	47.8	22.7	4.5	0.0	4.5	20.5	43.2	72.8	102.3	134.2	163.8
105°	40.9	18.2	4.5	0.0	2.3	15.9	36.4	63.7	91.0	120.5	147.8
107.5°	36.4	15.9	4.5	0.0	2.3	13.6	31.8	54.6	81.9	106.9	131.9
110°	31.8	13.6	4.5	0.0	2.3	9.1	27.3	47.8	70.5	95.5	120.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	27.3	11.4	2.3	0.0	0.0	6.8	22.7	40.9	61.4	86.4	106.9
115°	25.0	11.4	2.3	0.0	0.0	4.5	18.2	36.4	54.6	77.3	95.5
117.5°	22.7	9.1	2.3	0.0	2.3	4.5	15.9	31.8	47.8	66.0	86.4
120°	20.5	9.1	2.3	0.0	2.3	2.3	11.4	27.3	40.9	59.1	75.1
122.5°	18.2	9.1	2.3	0.0	2.3	2.3	9.1	22.7	36.4	52.3	66.0
125°	15.9	6.8	4.5	2.3	2.3	2.3	6.8	18.2	31.8	43.2	59.1
127.5°	15.9	6.8	4.5	2.3	2.3	2.3	4.5	15.9	25.0	38.7	52.3
130°	13.6	6.8	4.5	2.3	2.3	2.3	2.3	11.4	22.7	31.8	43.2
132.5°	11.4	6.8	4.5	2.3	2.3	2.3	2.3	6.8	15.9	27.3	36.4
135°	11.4	6.8	4.5	2.3	2.3	2.3	2.3	4.5	11.4	20.5	29.6
137.5°	9.1	4.5	4.5	2.3	2.3	2.3	2.3	2.3	9.1	15.9	22.7
140°	9.1	4.5	4.5	2.3	2.3	2.3	2.3	2.3	6.8	11.4	18.2
142.5°	6.8	4.5	4.5	2.3	2.3	2.3	2.3	2.3	4.5	9.1	13.6
145°	6.8	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	4.5	9.1
147.5°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	2.3	4.5	6.8
150°	6.8	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5
152.5°	6.8	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5
155°	6.8	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5
157.5°	6.8	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5
160°	6.8	4.5	4.5	2.3	4.5	2.3	4.5	4.5	4.5	4.5	4.5
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8
2.5°	4146.1	4102.9	4125.7	4118.8	4127.9	4146.1	4143.9	4139.3	4139.3	4132.5	4123.4
5°	4132.5	4091.6	4112.0	4100.6	4112.0	4127.9	4125.7	4118.8	4123.4	4112.0	4100.6
7.5°	4105.2	4068.8	4087.0	4077.9	4087.0	4102.9	4096.1	4093.8	4098.4	4080.2	4073.4
10°	4073.4	4032.4	4052.9	4041.5	4052.9	4064.3	4059.7	4050.6	4059.7	4041.5	4034.7
12.5°	4023.3	3989.2	4002.9	3998.3	4005.1	4016.5	4007.4	4000.6	4005.1	3989.2	3975.6
15°	3968.7	3934.6	3946.0	3939.2	3943.7	3957.4	3941.4	3939.2	3934.6	3918.7	3914.2
17.5°	3898.2	3866.4	3877.8	3866.4	3873.2	3868.7	3866.4	3855.0	3855.0	3836.8	3823.2
20°	3811.8	3784.5	3777.7	3768.6	3777.7	3768.6	3754.9	3745.9	3743.6	3725.4	3714.0
22.5°	3711.7	3679.9	3684.4	3659.4	3661.7	3648.1	3625.3	3616.2	3607.1	3586.6	3570.7
25°	3591.2	3559.4	3536.6	3520.7	3500.2	3497.9	3468.4	3445.6	3443.4	3418.3	3416.1
27.5°	3454.7	3418.3	3400.1	3361.5	3336.5	3316.0	3291.0	3268.2	3256.9	3229.6	3211.4
30°	3297.8	3256.9	3211.4	3184.1	3145.4	3129.5	3086.3	3059.0	3049.9	3020.3	3006.7
32.5°	3120.4	3077.2	3040.8	2988.5	2945.3	2922.5	2879.3	2852.0	2840.7	2808.8	2790.6
35°	2927.1	2879.3	2836.1	2786.1	2752.0	2713.3	2661.0	2633.7	2608.7	2597.3	2583.7
37.5°	2724.7	2672.4	2622.3	2572.3	2542.7	2497.2	2451.7	2433.6	2404.0	2392.6	2379.0
40°	2515.4	2463.1	2415.4	2367.6	2333.5	2292.5	2251.6	2244.8	2212.9	2201.6	2192.5
42.5°	2308.5	2253.9	2199.3	2165.2	2140.2	2099.2	2071.9	2065.1	2037.8	2031.0	2031.0
45°	2122.0	2053.7	2008.2	1978.7	1958.2	1924.1	1901.4	1896.8	1874.1	1869.5	1869.5
47.5°	1921.8	1858.1	1824.0	1805.8	1787.6	1762.6	1749.0	1749.0	1726.2	1721.7	1719.4
50°	1735.3	1676.2	1651.2	1633.0	1630.7	1612.5	1601.1	1596.6	1596.6	1580.7	1582.9
52.5°	1557.9	1528.4	1507.9	1496.5	1482.9	1471.5	1462.4	1462.4	1455.6	1444.2	1448.8
55°	1394.2	1360.1	1362.3	1353.2	1346.4	1339.6	1341.9	1328.2	1325.9	1316.8	1323.7
57.5°	1230.4	1230.4	1225.9	1219.1	1207.7	1212.2	1212.2	1212.2	1200.9	1194.0	1200.9
60°	1091.7	1098.5	1087.1	1094.0	1089.4	1091.7	1087.1	1087.1	1080.3	1078.0	1080.3
62.5°	968.9	980.2	975.7	984.8	980.2	982.5	987.1	978.0	973.4	968.9	973.4
65°	859.7	873.3	871.1	877.9	880.2	882.4	884.7	880.2	875.6	871.1	868.8
67.5°	764.2	777.8	786.9	789.2	791.5	798.3	796.0	791.5	786.9	780.1	777.8
70°	677.8	696.0	707.3	711.9	721.0	716.4	716.4	714.1	709.6	702.8	700.5
72.5°	605.0	625.4	636.8	641.4	650.5	650.5	648.2	645.9	641.4	634.5	632.3
75°	541.3	559.5	575.4	584.5	591.3	591.3	589.1	586.8	582.2	577.7	575.4
77.5°	491.3	507.2	520.8	532.2	536.7	539.0	536.7	532.2	532.2	529.9	527.6
80°	441.2	459.4	473.1	484.4	491.3	491.3	489.0	491.3	486.7	484.4	482.2
82.5°	398.0	418.5	434.4	445.8	450.3	452.6	450.3	452.6	448.0	448.0	448.0
85°	359.3	379.8	398.0	407.1	413.9	416.2	416.2	416.2	413.9	413.9	413.9
87.5°	327.5	348.0	366.2	375.3	382.1	384.4	384.4	386.6	382.1	382.1	382.1
90°	297.9	318.4	336.6	345.7	352.5	357.1	357.1	359.3	357.1	354.8	354.8
92.5°	270.6	293.4	311.6	320.7	327.5	334.3	334.3	336.6	332.1	332.1	332.1
95°	247.9	270.6	286.6	297.9	304.8	309.3	311.6	311.6	309.3	309.3	309.3
97.5°	227.4	247.9	263.8	275.2	282.0	284.3	286.6	288.8	286.6	286.6	286.6
100°	207.0	227.4	243.4	252.5	261.5	263.8	266.1	268.4	268.4	266.1	266.1
102.5°	188.8	209.2	222.9	234.3	241.1	245.6	247.9	247.9	247.9	247.9	247.9
105°	170.6	191.0	204.7	216.1	222.9	227.4	229.7	232.0	232.0	229.7	229.7
107.5°	154.7	172.9	188.8	197.9	207.0	211.5	213.8	213.8	216.1	213.8	213.8
110°	138.7	159.2	172.9	181.9	191.0	195.6	197.9	200.1	200.1	200.1	200.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	127.4	143.3	156.9	166.0	175.1	179.7	181.9	184.2	186.5	184.2	184.2
115°	113.7	129.6	143.3	152.4	159.2	163.8	168.3	170.6	170.6	172.9	170.6
117.5°	102.3	116.0	129.6	138.7	145.6	152.4	154.7	156.9	159.2	156.9	156.9
120°	91.0	104.6	116.0	125.1	131.9	138.7	141.0	143.3	145.6	143.3	143.3
122.5°	81.9	93.2	104.6	113.7	120.5	125.1	129.6	129.6	131.9	131.9	131.9
125°	72.8	84.2	93.2	102.3	109.2	113.7	116.0	118.3	118.3	120.5	120.5
127.5°	63.7	72.8	84.2	91.0	97.8	102.3	104.6	106.9	106.9	109.2	109.2
130°	54.6	63.7	72.8	79.6	86.4	91.0	93.2	95.5	97.8	97.8	97.8
132.5°	47.8	56.9	63.7	70.5	75.1	79.6	84.2	86.4	86.4	86.4	86.4
135°	38.7	47.8	54.6	61.4	66.0	70.5	72.8	77.3	77.3	77.3	77.3
137.5°	31.8	40.9	47.8	52.3	56.9	61.4	63.7	66.0	68.2	68.2	68.2
140°	25.0	31.8	38.7	45.5	50.0	52.3	56.9	56.9	59.1	59.1	59.1
142.5°	18.2	25.0	29.6	36.4	40.9	45.5	47.8	50.0	50.0	50.0	50.0
145°	13.6	18.2	22.7	27.3	34.1	36.4	38.7	40.9	43.2	43.2	43.2
147.5°	9.1	13.6	15.9	20.5	25.0	29.6	31.8	34.1	36.4	36.4	36.4
150°	6.8	9.1	13.6	15.9	18.2	22.7	27.3	27.3	29.6	29.6	27.3
152.5°	4.5	6.8	9.1	11.4	13.6	15.9	20.5	20.5	22.7	22.7	22.7
155°	4.5	4.5	4.5	6.8	9.1	11.4	13.6	15.9	15.9	15.9	15.9
157.5°	4.5	4.5	4.5	4.5	4.5	6.8	9.1	11.4	11.4	11.4	11.4
160°	4.5	4.5	2.3	2.3	4.5	4.5	4.5	4.5	6.8	6.8	6.8
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8
2.5°	4130.2	4134.8	4134.8	4130.2	4127.9	4137.0	4125.7	4082.5	4096.1	4100.6	4114.3
5°	4109.7	4114.3	4114.3	4114.3	4109.7	4118.8	4107.5	4064.3	4080.2	4087.0	4096.1
7.5°	4080.2	4082.5	4087.0	4084.7	4080.2	4093.8	4082.5	4039.2	4050.6	4062.0	4073.4
10°	4041.5	4041.5	4043.8	4048.3	4043.8	4055.2	4043.8	4005.1	4016.5	4023.3	4037.0
12.5°	3989.2	3993.8	3996.0	3993.8	3991.5	4000.6	3996.0	3959.6	3964.2	3977.8	3991.5
15°	3918.7	3918.7	3930.1	3925.5	3925.5	3934.6	3939.2	3898.2	3905.1	3925.5	3939.2
17.5°	3832.3	3834.6	3843.6	3848.2	3845.9	3861.8	3864.1	3832.3	3830.0	3855.0	3868.7
20°	3720.8	3725.4	3736.8	3745.9	3745.9	3764.0	3770.9	3750.4	3752.7	3780.0	3784.5
22.5°	3584.4	3584.4	3604.8	3618.5	3629.9	3641.2	3661.7	3643.5	3643.5	3679.9	3700.4
25°	3416.1	3432.0	3438.8	3466.1	3482.0	3513.9	3532.1	3534.3	3536.6	3570.7	3584.4
27.5°	3229.6	3234.1	3254.6	3286.4	3304.6	3334.2	3368.3	3375.1	3386.5	3432.0	3452.5
30°	3018.1	3031.7	3040.8	3086.3	3111.3	3150.0	3193.2	3209.1	3218.2	3279.6	3304.6
32.5°	2802.0	2806.5	2845.2	2870.2	2899.8	2940.7	2990.8	3020.3	3038.5	3102.2	3138.6
35°	2585.9	2595.0	2626.9	2658.7	2688.3	2729.2	2781.5	2822.5	2854.3	2911.2	2958.9
37.5°	2388.1	2410.8	2417.6	2449.5	2472.2	2513.2	2549.5	2608.7	2640.5	2699.7	2761.1
40°	2210.7	2217.5	2222.0	2253.9	2269.8	2308.5	2360.8	2399.4	2442.6	2485.9	2558.6
42.5°	2035.5	2040.1	2046.9	2065.1	2083.3	2110.6	2149.3	2187.9	2233.4	2297.1	2344.9
45°	1874.1	1878.6	1883.2	1894.5	1910.5	1935.5	1960.5	1987.8	2033.3	2087.9	2137.9
47.5°	1724.0	1733.1	1733.1	1735.3	1746.7	1767.2	1785.4	1819.5	1844.5	1874.1	1930.9
50°	1580.7	1587.5	1589.8	1589.8	1596.6	1610.2	1614.8	1637.5	1660.3	1687.6	1728.5
52.5°	1446.5	1446.5	1444.2	1453.3	1453.3	1462.4	1464.7	1478.3	1494.2	1523.8	1542.0
55°	1319.1	1319.1	1325.9	1321.4	1321.4	1325.9	1323.7	1325.9	1339.6	1357.8	1373.7
57.5°	1196.3	1194.0	1200.9	1196.3	1194.0	1198.6	1203.1	1194.0	1196.3	1214.5	1214.5
60°	1073.5	1075.8	1082.6	1078.0	1078.0	1078.0	1073.5	1068.9	1064.4	1075.8	1080.3
62.5°	975.7	968.9	975.7	968.9	973.4	971.1	966.6	957.5	959.8	955.2	950.7
65°	873.3	873.3	875.6	868.8	873.3	873.3	866.5	864.3	850.6	846.1	834.7
67.5°	784.6	784.6	786.9	782.4	782.4	784.6	777.8	771.0	757.4	750.5	734.6
70°	707.3	707.3	707.3	705.0	705.0	705.0	700.5	691.4	677.8	666.4	645.9
72.5°	636.8	639.1	636.8	636.8	643.6	636.8	630.0	620.9	609.5	586.8	568.6
75°	580.0	582.2	580.0	580.0	580.0	577.7	575.4	561.8	548.1	529.9	502.6
77.5°	529.9	529.9	532.2	529.9	529.9	527.6	520.8	509.5	493.5	477.6	445.8
80°	482.2	484.4	486.7	489.0	484.4	482.2	475.3	466.2	445.8	427.6	395.7
82.5°	448.0	445.8	448.0	450.3	445.8	443.5	436.7	425.3	409.4	384.4	352.5
85°	413.9	411.7	411.7	413.9	411.7	407.1	400.3	388.9	373.0	348.0	316.1
87.5°	379.8	382.1	384.4	382.1	379.8	375.3	368.4	357.1	338.9	318.4	284.3
90°	354.8	354.8	354.8	354.8	352.5	348.0	341.2	327.5	311.6	286.6	257.0
92.5°	332.1	332.1	332.1	332.1	329.8	323.0	316.1	304.8	286.6	261.5	234.3
95°	309.3	311.6	309.3	309.3	304.8	302.5	291.1	279.7	263.8	238.8	209.2
97.5°	284.3	286.6	284.3	284.3	282.0	277.5	270.6	257.0	241.1	218.3	191.0
100°	266.1	266.1	263.8	263.8	261.5	257.0	247.9	236.5	220.6	197.9	170.6
102.5°	245.6	247.9	245.6	245.6	241.1	236.5	229.7	218.3	202.4	179.7	154.7
105°	229.7	229.7	227.4	227.4	222.9	218.3	211.5	197.9	184.2	163.8	138.7
107.5°	213.8	213.8	211.5	211.5	207.0	202.4	193.3	181.9	168.3	147.8	125.1
110°	197.9	197.9	197.9	195.6	191.0	184.2	177.4	166.0	152.4	134.2	111.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	186.5	184.2	181.9	179.7	175.1	170.6	161.5	150.1	136.5	120.5	100.1
115°	170.6	170.6	168.3	166.0	161.5	154.7	147.8	138.7	125.1	106.9	88.7
117.5°	156.9	156.9	154.7	152.4	147.8	141.0	134.2	125.1	111.4	95.5	79.6
120°	143.3	143.3	141.0	138.7	134.2	127.4	122.8	111.4	100.1	84.2	70.5
122.5°	131.9	129.6	129.6	125.1	122.8	116.0	109.2	100.1	88.7	75.1	61.4
125°	118.3	118.3	116.0	113.7	111.4	104.6	97.8	88.7	77.3	66.0	54.6
127.5°	106.9	106.9	104.6	102.3	100.1	93.2	86.4	79.6	68.2	56.9	45.5
130°	95.5	95.5	93.2	91.0	88.7	81.9	77.3	68.2	59.1	50.0	38.7
132.5°	86.4	86.4	84.2	81.9	77.3	72.8	68.2	59.1	52.3	43.2	34.1
135°	77.3	75.1	75.1	72.8	68.2	63.7	59.1	52.3	43.2	36.4	27.3
137.5°	68.2	66.0	63.7	61.4	59.1	54.6	50.0	45.5	38.7	29.6	22.7
140°	59.1	56.9	56.9	54.6	50.0	47.8	43.2	36.4	31.8	25.0	18.2
142.5°	50.0	50.0	47.8	45.5	43.2	40.9	36.4	31.8	25.0	20.5	13.6
145°	43.2	40.9	40.9	38.7	36.4	31.8	29.6	25.0	20.5	15.9	11.4
147.5°	34.1	34.1	34.1	31.8	29.6	27.3	25.0	20.5	15.9	11.4	6.8
150°	27.3	27.3	27.3	25.0	22.7	20.5	18.2	15.9	11.4	6.8	4.5
152.5°	22.7	22.7	20.5	20.5	18.2	15.9	13.6	11.4	6.8	4.5	4.5
155°	15.9	15.9	15.9	13.6	13.6	11.4	9.1	6.8	4.5	4.5	4.5
157.5°	11.4	11.4	11.4	9.1	9.1	6.8	6.8	4.5	4.5	4.5	4.5
160°	6.8	6.8	6.8	6.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8	4134.8
2.5°	4107.5	4105.2	4123.4	4123.4	4102.9	4134.8	4168.9
5°	4093.8	4091.6	4109.7	4109.7	4091.6	4123.4	4159.8
7.5°	4066.5	4068.8	4087.0	4091.6	4068.8	4098.4	4137.0
10°	4037.0	4034.7	4055.2	4059.7	4041.5	4068.8	4105.2
12.5°	3989.2	3989.2	4009.7	4016.5	3998.3	4030.1	4064.3
15°	3939.2	3939.2	3952.8	3964.2	3948.3	3977.8	4011.9
17.5°	3875.5	3873.2	3886.9	3900.5	3884.6	3916.4	3952.8
20°	3793.6	3793.6	3809.5	3825.5	3814.1	3843.6	3884.6
22.5°	3707.2	3698.1	3725.4	3736.8	3729.9	3759.5	3800.4
25°	3598.0	3595.7	3623.0	3639.0	3629.9	3661.7	3698.1
27.5°	3479.8	3477.5	3504.8	3525.2	3520.7	3550.3	3591.2
30°	3336.5	3347.8	3372.9	3407.0	3395.6	3427.4	3470.7
32.5°	3186.4	3197.7	3227.3	3263.7	3266.0	3291.0	3334.2
35°	3006.7	3036.3	3056.7	3104.5	3113.6	3138.6	3184.1
37.5°	2817.9	2852.0	2895.2	2931.6	2949.8	2970.3	3022.6
40°	2606.4	2656.4	2704.2	2747.4	2770.2	2790.6	2840.7
42.5°	2415.4	2454.0	2499.5	2542.7	2583.7	2601.9	2654.2
45°	2199.3	2244.8	2285.7	2338.0	2379.0	2399.4	2451.7
47.5°	1987.8	2033.3	2087.9	2124.2	2167.5	2187.9	2238.0
50°	1785.4	1826.3	1871.8	1915.0	1951.4	1969.6	2012.8
52.5°	1585.2	1628.4	1671.6	1698.9	1737.6	1751.2	1787.6
55°	1407.8	1437.4	1476.1	1492.0	1530.6	1539.7	1564.8
57.5°	1237.2	1257.7	1271.4	1298.7	1325.9	1346.4	1376.0
60°	1082.6	1091.7	1100.8	1116.7	1139.4	1146.3	1157.6
62.5°	943.9	941.6	959.8	964.3	966.6	989.3	978.0
65°	821.0	823.3	807.4	800.6	809.7	816.5	811.9
67.5°	718.7	705.0	691.4	675.5	661.8	668.7	661.8
70°	618.6	607.3	584.5	561.8	552.7	539.0	532.2
72.5°	539.0	511.7	489.0	459.4	443.5	427.6	416.2
75°	477.6	438.9	407.1	375.3	352.5	329.8	325.2
77.5°	413.9	377.5	341.2	307.0	272.9	247.9	238.8
80°	363.9	329.8	286.6	245.6	209.2	177.4	166.0
82.5°	318.4	282.0	238.8	195.6	154.7	120.5	106.9
85°	279.7	241.1	197.9	154.7	113.7	77.3	59.1
87.5°	250.2	207.0	163.8	122.8	79.6	43.2	22.7
90°	222.9	181.9	141.0	97.8	56.9	22.7	0.0
92.5°	197.9	159.2	118.3	79.6	43.2	13.6	2.3
95°	175.1	141.0	100.1	63.7	31.8	9.1	2.3
97.5°	156.9	122.8	86.4	52.3	25.0	6.8	2.3
100°	141.0	106.9	75.1	43.2	20.5	4.5	2.3
102.5°	125.1	95.5	63.7	36.4	15.9	2.3	2.3
105°	111.4	84.2	54.6	31.8	13.6	2.3	2.3
107.5°	100.1	75.1	47.8	27.3	9.1	2.3	2.3
110°	88.7	63.7	40.9	22.7	6.8	2.3	2.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-LN-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	79.6	56.9	36.4	18.2	4.5	2.3	2.3
115°	70.5	50.0	31.8	15.9	4.5	2.3	2.3
117.5°	61.4	43.2	27.3	11.4	2.3	2.3	2.3
120°	54.6	38.7	22.7	9.1	2.3	2.3	2.3
122.5°	47.8	31.8	18.2	6.8	2.3	2.3	2.3
125°	40.9	27.3	15.9	4.5	2.3	2.3	2.3
127.5°	34.1	22.7	11.4	4.5	2.3	2.3	2.3
130°	29.6	18.2	9.1	2.3	2.3	2.3	2.3
132.5°	25.0	13.6	6.8	2.3	2.3	2.3	2.3
135°	20.5	11.4	4.5	2.3	2.3	2.3	2.3
137.5°	15.9	9.1	4.5	2.3	2.3	2.3	2.3
140°	11.4	6.8	2.3	2.3	2.3	2.3	2.3
142.5°	9.1	4.5	2.3	2.3	2.3	2.3	2.3
145°	6.8	4.5	2.3	2.3	2.3	2.3	2.3
147.5°	4.5	4.5	4.5	4.5	2.3	2.3	2.3
150°	4.5	4.5	2.3	2.3	4.5	2.3	2.3
152.5°	4.5	2.3	2.3	2.3	4.5	2.3	2.3
155°	4.5	4.5	4.5	4.5	4.5	4.5	2.3
157.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
160°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
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)