

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-LD5-134SL-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-LD5-134SL-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: 11399.0 lumens
Efficiency: N/A
Efficacy: 103.6 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

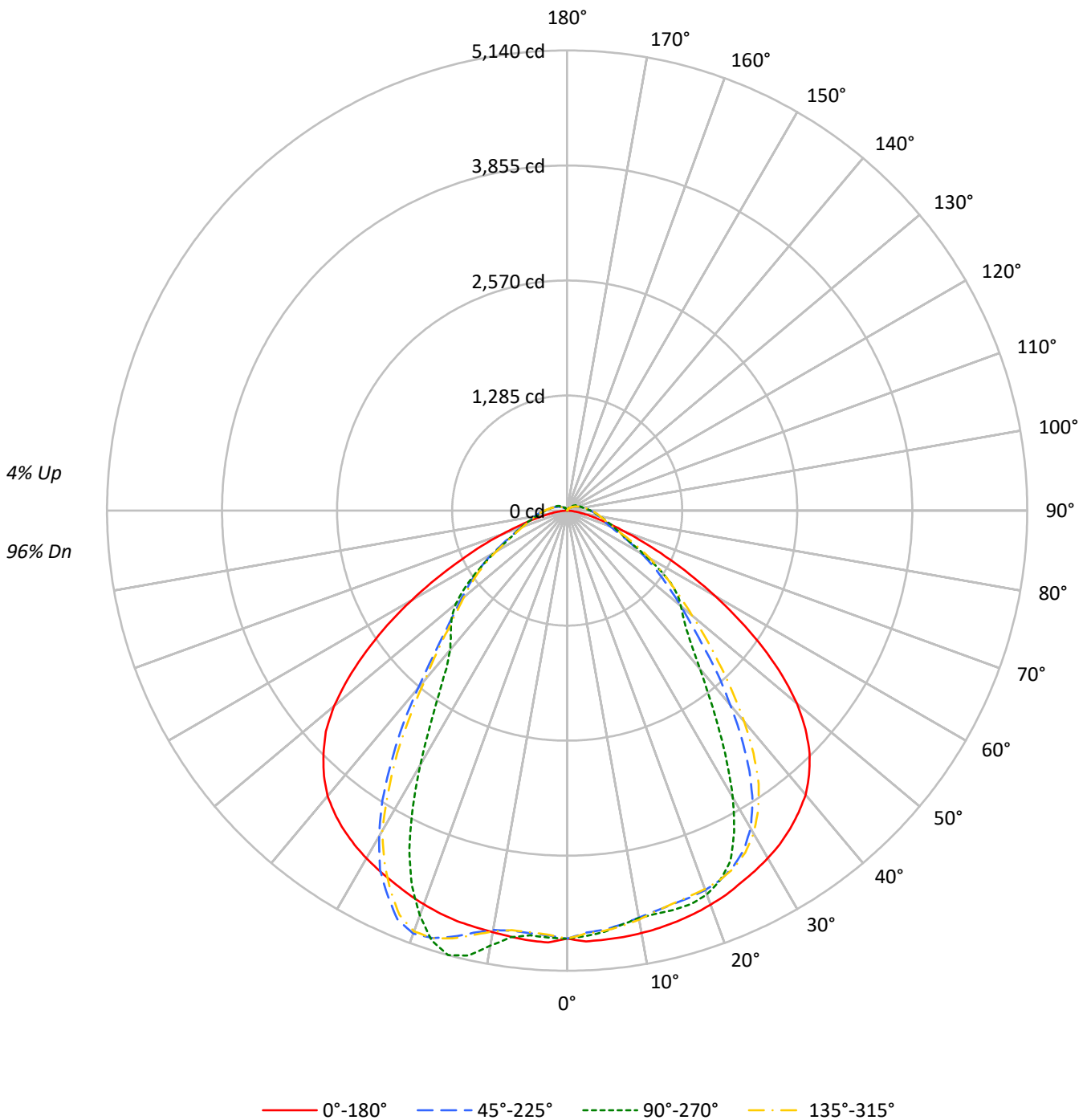
Input Watts (W): 110
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-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	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°	19320	19320	19320	19320
5°	19487	18554	19527	18699
10°	19605	17783	19564	18989
15°	19785	17545	19774	19535
20°	20032	17266	20011	18201
25°	20310	16380	20300	15827
30°	20727	14197	20739	12577
35°	21173	11480	21233	9714
40°	21577	9243	21667	8143
45°	21552	7829	21664	7624
50°	20683	7208	20972	7047
55°	18415	6479	18873	5890
60°	15002	4959	15799	4548
65°	11218	3794	12086	3598
70°	7694	3275	8672	3131
75°	5101	2955	5939	2795
80°	3379	2755	3959	2534
85°	1845	2749	2427	2511



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.2	4.0
10°-20°	1351.4	11.9
20°-30°	2054.5	18.0
30°-40°	2204.0	19.3
40°-50°	1912.8	16.8
50°-60°	1417.6	12.4
60°-70°	812.2	7.1
70°-80°	449.8	3.9
80°-90°	273.9	2.4
90°-100°	178.1	1.6
100°-110°	119.3	1.0
110°-120°	80.6	0.7
120°-130°	49.4	0.4
130°-140°	26.0	0.2
140°-150°	11.8	0.1
150°-160°	3.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3860.1	33.9
0°-40°	6064.0	53.2
0°-60°	9394.4	82.4
0°-90°	10930.3	95.9
90°-120°	377.9	3.3
90°-150°	465.2	4.1
90°-180°	469.0	4.1
0°-180°	11399.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4782	4782	4782	4782	4782	
5°	4811	4725	4821	4762	4811	459
15°	4750	4616	4747	5140	4750	1344
25°	4589	4317	4586	4172	4589	2121
35°	4340	2939	4352	2487	4340	2716
45°	3831	1884	3850	1835	3831	2933
55°	2672	1413	2739	1284	2672	2370
65°	1213	716	1306	679	1213	1223
75°	346	454	403	430	346	395
85°	47	314	62	286	47	62
90°	0	262	5	242	0	2
95°	2	215	0	205	2	2
105°	2	160	2	153	2	3
115°	2	131	2	119	2	2
125°	2	99	2	82	2	2
135°	2	62	2	52	2	2
145°	2	37	5	30	2	2
155°	5	17	5	15	5	2
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-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6
2.5°	4816.2	4803.8	4798.9	4789.0	4796.4	4826.0	4806.3	4774.2	4776.7	4719.8	4749.5
5°	4811.2	4796.4	4789.0	4779.1	4784.1	4811.2	4791.5	4759.4	4756.9	4700.1	4727.3
7.5°	4803.8	4789.0	4776.7	4769.2	4771.7	4793.9	4769.2	4732.2	4724.8	4663.0	4687.7
10°	4791.5	4781.6	4764.3	4752.0	4749.5	4774.2	4734.7	4697.6	4680.3	4616.1	4640.8
12.5°	4774.2	4759.4	4742.1	4719.8	4717.4	4732.2	4700.1	4648.2	4630.9	4579.1	4606.2
15°	4749.5	4732.2	4712.4	4687.7	4675.4	4685.3	4645.8	4598.8	4596.4	4551.9	4588.9
17.5°	4722.3	4697.6	4675.4	4640.8	4623.5	4630.9	4598.8	4556.8	4561.8	4534.6	4576.6
20°	4685.3	4658.1	4623.5	4588.9	4564.2	4576.6	4554.4	4522.3	4529.7	4509.9	4547.0
22.5°	4643.3	4606.2	4564.2	4524.7	4505.0	4522.3	4505.0	4477.8	4480.3	4467.9	4490.2
25°	4588.9	4547.0	4497.6	4448.2	4438.3	4450.6	4440.8	4418.5	4408.6	4388.9	4398.8
27.5°	4539.5	4492.6	4430.9	4379.0	4361.7	4386.4	4364.2	4327.1	4300.0	4272.8	4253.0
30°	4482.7	4425.9	4356.8	4297.5	4282.7	4292.6	4260.5	4203.7	4132.0	4097.4	4043.1
32.5°	4421.0	4346.9	4260.5	4193.8	4183.9	4176.5	4117.2	4035.7	3924.6	3855.4	3771.4
35°	4339.5	4258.0	4154.3	4072.8	4057.9	4015.9	3919.6	3810.9	3667.7	3549.1	3405.9
37.5°	4248.1	4151.8	4043.1	3934.4	3892.5	3808.5	3672.6	3559.0	3341.7	3198.4	3025.5
40°	4144.4	4028.3	3894.9	3764.0	3694.9	3559.0	3403.4	3235.5	3025.5	2832.9	2687.2
42.5°	4001.1	3877.6	3719.6	3573.8	3455.3	3275.0	3092.2	2855.1	2662.5	2499.5	2351.3
45°	3830.7	3682.5	3499.7	3324.4	3173.7	2958.9	2744.0	2506.9	2346.3	2156.2	2054.9
47.5°	3610.9	3450.4	3255.2	3060.1	2862.5	2625.4	2400.7	2173.5	2012.9	1877.1	1803.0
50°	3351.6	3203.4	2988.5	2756.3	2539.0	2292.0	2067.2	1896.8	1741.2	1657.3	1600.4
52.5°	3030.5	2892.2	2672.4	2420.4	2210.5	1968.5	1763.5	1625.1	1514.0	1452.3	1432.5
55°	2672.4	2551.3	2334.0	2099.4	1884.5	1662.2	1506.6	1385.6	1313.9	1276.9	1279.4
57.5°	2289.5	2195.7	1990.7	1780.7	1578.2	1410.3	1269.5	1173.2	1118.8	1116.4	1123.8
60°	1906.7	1837.6	1659.7	1479.4	1301.6	1165.8	1062.0	995.3	960.8	963.2	960.8
62.5°	1541.2	1477.0	1348.5	1200.3	1059.6	968.2	874.3	847.2	817.5	815.0	815.0
65°	1212.7	1163.3	1059.6	953.4	847.2	787.9	740.9	708.8	686.6	681.7	684.1
67.5°	911.4	891.6	820.0	748.4	681.7	644.6	605.1	597.7	580.4	580.4	585.3
70°	679.2	664.4	624.9	582.9	555.7	531.0	511.3	511.3	508.8	506.3	518.7
72.5°	491.5	494.0	481.6	449.5	447.0	442.1	437.2	444.6	447.0	454.4	469.3
75°	345.8	353.2	353.2	348.2	358.1	370.5	377.9	390.2	405.1	414.9	432.2
77.5°	244.5	244.5	256.9	271.7	291.4	313.7	333.4	350.7	370.5	382.8	397.6
80°	158.1	165.5	185.2	212.4	239.6	269.2	296.4	318.6	338.4	358.1	368.0
82.5°	93.9	106.2	130.9	165.5	200.1	237.1	264.3	291.4	313.7	333.4	340.8
85°	46.9	64.2	93.9	130.9	167.9	207.5	242.0	266.7	291.4	308.7	318.6
87.5°	14.8	34.6	66.7	101.3	140.8	180.3	217.3	244.5	266.7	281.6	291.4
90°	0.0	17.3	46.9	84.0	121.0	160.5	195.1	224.8	247.0	259.3	266.7
92.5°	0.0	9.9	37.0	69.2	103.7	143.3	177.8	205.0	224.8	237.1	242.0
95°	2.5	7.4	27.2	56.8	91.4	128.4	160.5	185.2	205.0	217.3	219.8
97.5°	2.5	4.9	22.2	46.9	79.0	113.6	145.7	170.4	185.2	197.6	200.1
100°	2.5	4.9	17.3	42.0	69.2	101.3	130.9	153.1	170.4	180.3	182.8
102.5°	2.5	2.5	14.8	34.6	61.7	88.9	116.1	138.3	153.1	163.0	167.9
105°	2.5	2.5	12.3	29.6	54.3	79.0	103.7	126.0	138.3	148.2	153.1
107.5°	2.5	2.5	9.9	24.7	46.9	69.2	93.9	111.1	126.0	135.8	140.8
110°	2.5	2.5	7.4	22.2	39.5	61.7	81.5	98.8	113.6	123.5	128.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.5	2.5	7.4	19.8	34.6	54.3	71.6	88.9	101.3	111.1	118.6
115°	2.5	2.5	7.4	17.3	32.1	46.9	64.2	79.0	91.4	101.3	108.7
117.5°	2.5	2.5	7.4	14.8	27.2	42.0	56.8	71.6	81.5	91.4	98.8
120°	2.5	2.5	4.9	12.3	24.7	37.0	49.4	61.7	74.1	84.0	91.4
122.5°	2.5	2.5	4.9	12.3	19.8	32.1	44.5	54.3	66.7	74.1	81.5
125°	2.5	2.5	4.9	9.9	17.3	29.6	39.5	49.4	56.8	66.7	74.1
127.5°	2.5	2.5	4.9	9.9	14.8	24.7	34.6	44.5	51.9	59.3	64.2
130°	2.5	2.5	4.9	7.4	12.3	19.8	29.6	37.0	46.9	51.9	56.8
132.5°	2.5	2.5	2.5	7.4	9.9	14.8	22.2	32.1	39.5	46.9	49.4
135°	2.5	2.5	2.5	4.9	9.9	12.3	17.3	24.7	32.1	39.5	44.5
137.5°	2.5	2.5	2.5	4.9	7.4	12.3	14.8	19.8	27.2	32.1	39.5
140°	2.5	2.5	2.5	4.9	7.4	9.9	12.3	17.3	22.2	27.2	32.1
142.5°	2.5	2.5	2.5	4.9	4.9	7.4	9.9	14.8	17.3	22.2	27.2
145°	2.5	2.5	2.5	4.9	4.9	7.4	9.9	12.3	14.8	17.3	22.2
147.5°	2.5	2.5	2.5	4.9	4.9	4.9	7.4	9.9	12.3	14.8	17.3
150°	4.9	4.9	4.9	4.9	4.9	4.9	7.4	7.4	9.9	12.3	14.8
152.5°	4.9	4.9	4.9	4.9	4.9	4.9	7.4	7.4	7.4	9.9	12.3
155°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.4	7.4	9.9	9.9
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-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6
2.5°	4739.6	4744.5	4774.2	4771.7	4766.8	4761.8	4761.8	4756.9	4761.8	4774.2	4769.2
5°	4714.9	4722.3	4744.5	4742.1	4737.1	4734.7	4732.2	4724.8	4729.7	4747.0	4742.1
7.5°	4670.4	4677.9	4697.6	4687.7	4680.3	4685.3	4672.9	4665.5	4675.4	4692.7	4690.2
10°	4623.5	4628.5	4653.2	4648.2	4635.9	4638.3	4626.0	4621.1	4633.4	4643.3	4645.8
12.5°	4591.4	4608.7	4630.9	4628.5	4626.0	4628.5	4616.1	4611.2	4618.6	4628.5	4626.0
15°	4584.0	4606.2	4630.9	4630.9	4633.4	4635.9	4623.5	4616.1	4623.5	4630.9	4628.5
17.5°	4576.6	4603.8	4626.0	4623.5	4626.0	4630.9	4611.2	4606.2	4616.1	4626.0	4621.1
20°	4551.9	4576.6	4591.4	4586.5	4586.5	4588.9	4564.2	4564.2	4579.1	4586.5	4588.9
22.5°	4482.7	4512.4	4512.4	4500.0	4500.0	4490.2	4482.7	4467.9	4485.2	4497.6	4507.4
25°	4379.0	4391.4	4376.5	4349.4	4334.6	4322.2	4287.6	4317.3	4317.3	4354.3	4366.7
27.5°	4233.3	4206.1	4164.1	4107.3	4095.0	4055.5	4033.2	4040.6	4053.0	4104.9	4144.4
30°	3993.7	3912.2	3840.6	3815.9	3761.6	3722.0	3682.5	3702.3	3724.5	3754.1	3835.6
32.5°	3677.6	3598.5	3482.5	3440.5	3383.7	3334.3	3287.3	3317.0	3356.5	3376.3	3465.2
35°	3314.5	3220.7	3114.5	3042.8	2983.6	2956.4	2897.1	2939.1	2981.1	2995.9	3072.5
37.5°	2929.2	2832.9	2739.0	2677.3	2620.5	2603.2	2563.7	2593.3	2625.4	2647.7	2711.9
40°	2563.7	2474.8	2403.1	2361.2	2321.6	2306.8	2292.0	2304.4	2329.0	2346.3	2395.7
42.5°	2250.0	2178.4	2129.0	2104.3	2077.1	2057.4	2059.8	2064.8	2077.1	2114.2	2136.4
45°	1975.9	1933.9	1901.8	1896.8	1879.5	1877.1	1874.6	1884.5	1891.9	1914.1	1931.4
47.5°	1756.0	1738.8	1731.4	1741.2	1748.6	1738.8	1743.7	1756.0	1770.9	1770.9	1768.4
50°	1583.2	1588.1	1598.0	1620.2	1635.0	1640.0	1644.9	1659.7	1662.2	1667.1	1659.7
52.5°	1442.4	1447.3	1474.5	1509.1	1526.4	1533.8	1543.6	1558.5	1558.5	1563.4	1553.5
55°	1299.1	1306.5	1333.7	1368.3	1383.1	1393.0	1402.9	1412.7	1420.2	1430.0	1422.6
57.5°	1141.1	1163.3	1180.6	1190.5	1200.3	1207.7	1215.2	1217.6	1232.4	1234.9	1247.3
60°	973.1	978.1	995.3	992.9	985.5	1005.2	995.3	1012.6	1029.9	1052.1	1054.6
62.5°	812.6	815.0	827.4	822.5	832.3	829.9	837.3	837.3	849.6	859.5	871.9
65°	686.6	689.1	699.0	699.0	696.5	703.9	711.3	716.3	716.3	723.7	733.5
67.5°	592.8	600.2	610.0	615.0	619.9	619.9	627.3	629.8	634.7	637.2	642.2
70°	528.5	538.4	548.3	553.2	555.7	560.7	563.1	563.1	568.1	570.5	575.5
72.5°	481.6	491.5	498.9	498.9	503.8	506.3	506.3	508.8	511.3	516.2	521.1
75°	442.1	449.5	454.4	452.0	452.0	452.0	454.4	454.4	459.4	464.3	469.3
77.5°	405.1	412.5	412.5	407.5	407.5	407.5	407.5	410.0	412.5	417.4	422.3
80°	377.9	377.9	375.4	375.4	370.5	368.0	368.0	370.5	370.5	375.4	382.8
82.5°	348.2	348.2	345.8	343.3	340.8	338.4	338.4	340.8	343.3	345.8	350.7
85°	321.1	321.1	316.1	316.1	313.7	313.7	313.7	313.7	316.1	318.6	323.5
87.5°	293.9	291.4	289.0	286.5	286.5	286.5	286.5	286.5	289.0	293.9	296.4
90°	266.7	264.3	261.8	261.8	259.3	259.3	261.8	261.8	264.3	266.7	269.2
92.5°	242.0	239.6	237.1	237.1	234.6	234.6	237.1	234.6	239.6	239.6	242.0
95°	219.8	217.3	214.9	214.9	214.9	214.9	214.9	214.9	217.3	217.3	219.8
97.5°	200.1	197.6	195.1	195.1	197.6	195.1	197.6	197.6	197.6	200.1	202.5
100°	182.8	180.3	180.3	182.8	180.3	180.3	182.8	182.8	182.8	182.8	185.2
102.5°	167.9	167.9	167.9	167.9	167.9	167.9	170.4	170.4	170.4	170.4	172.9
105°	153.1	155.6	155.6	155.6	158.1	158.1	158.1	160.5	160.5	160.5	160.5
107.5°	143.3	145.7	145.7	148.2	148.2	150.7	150.7	150.7	150.7	153.1	153.1
110°	133.4	135.8	138.3	140.8	140.8	143.3	143.3	143.3	143.3	143.3	143.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	123.5	126.0	128.4	133.4	135.8	135.8	135.8	135.8	138.3	138.3	135.8
115°	113.6	118.6	121.0	126.0	128.4	128.4	130.9	130.9	130.9	130.9	128.4
117.5°	103.7	111.1	113.6	118.6	121.0	121.0	123.5	123.5	123.5	123.5	121.0
120°	96.3	101.3	106.2	108.7	111.1	113.6	113.6	116.1	116.1	116.1	113.6
122.5°	88.9	93.9	98.8	101.3	103.7	106.2	106.2	106.2	106.2	106.2	106.2
125°	79.0	84.0	88.9	91.4	93.9	96.3	96.3	98.8	98.8	98.8	96.3
127.5°	71.6	76.6	79.0	84.0	86.4	86.4	88.9	88.9	88.9	88.9	86.4
130°	61.7	66.7	71.6	74.1	76.6	76.6	79.0	79.0	79.0	79.0	79.0
132.5°	54.3	59.3	61.7	66.7	66.7	69.2	69.2	71.6	71.6	71.6	69.2
135°	49.4	51.9	54.3	59.3	59.3	61.7	61.7	61.7	61.7	61.7	61.7
137.5°	44.5	46.9	49.4	51.9	51.9	54.3	54.3	54.3	54.3	56.8	54.3
140°	37.0	42.0	44.5	44.5	46.9	46.9	46.9	49.4	49.4	49.4	46.9
142.5°	32.1	34.6	37.0	39.5	42.0	42.0	42.0	42.0	44.5	42.0	42.0
145°	24.7	29.6	32.1	34.6	37.0	37.0	37.0	37.0	37.0	37.0	37.0
147.5°	19.8	22.2	27.2	29.6	29.6	32.1	32.1	32.1	32.1	32.1	32.1
150°	17.3	17.3	22.2	24.7	27.2	27.2	27.2	27.2	27.2	27.2	27.2
152.5°	12.3	14.8	17.3	19.8	22.2	22.2	22.2	22.2	22.2	22.2	22.2
155°	12.3	12.3	14.8	14.8	17.3	17.3	17.3	17.3	19.8	17.3	17.3
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-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6
2.5°	4761.8	4759.4	4769.2	4759.4	4710.0	4729.7	4722.3	4749.5	4752.0	4759.4	4784.1
5°	4737.1	4737.1	4749.5	4739.6	4692.7	4712.4	4710.0	4737.1	4742.1	4747.0	4774.2
7.5°	4687.7	4690.2	4707.5	4700.1	4650.7	4680.3	4677.9	4710.0	4719.8	4729.7	4754.4
10°	4640.8	4638.3	4658.1	4650.7	4603.8	4638.3	4635.9	4668.0	4682.8	4700.1	4729.7
12.5°	4616.1	4608.7	4616.1	4608.7	4556.8	4584.0	4586.5	4623.5	4640.8	4663.0	4697.6
15°	4616.1	4603.8	4603.8	4588.9	4529.7	4547.0	4549.4	4574.1	4596.4	4618.6	4660.6
17.5°	4611.2	4598.8	4596.4	4584.0	4519.8	4519.8	4517.3	4534.6	4547.0	4569.2	4613.6
20°	4584.0	4579.1	4576.6	4569.2	4509.9	4500.0	4495.1	4495.1	4502.5	4509.9	4554.4
22.5°	4512.4	4517.3	4522.3	4527.2	4480.3	4463.0	4465.5	4460.5	4453.1	4453.1	4490.2
25°	4379.0	4403.7	4423.5	4445.7	4418.5	4406.2	4421.0	4413.6	4401.2	4391.4	4423.5
27.5°	4166.6	4218.5	4260.5	4314.8	4317.3	4307.4	4346.9	4342.0	4339.5	4324.7	4349.4
30°	3872.7	3954.2	4011.0	4090.0	4156.7	4166.6	4233.3	4243.2	4253.0	4245.6	4270.3
32.5°	3517.0	3628.2	3724.5	3848.0	3912.2	3969.0	4062.9	4102.4	4141.9	4154.3	4181.4
35°	3129.3	3255.2	3368.8	3504.7	3606.0	3729.4	3843.1	3902.3	3991.2	4025.8	4065.3
37.5°	2761.3	2879.8	2991.0	3126.8	3289.8	3418.2	3559.0	3692.4	3813.4	3862.8	3922.1
40°	2435.3	2531.6	2637.8	2756.3	2904.5	3072.5	3225.6	3410.8	3554.1	3652.9	3739.3
42.5°	2188.3	2235.2	2326.6	2432.8	2551.3	2721.8	2877.4	3084.8	3257.7	3398.5	3541.7
45°	1968.5	1990.7	2057.4	2114.2	2235.2	2385.9	2551.3	2753.9	2934.2	3114.5	3287.3
47.5°	1780.7	1807.9	1840.0	1874.6	1961.0	2087.0	2230.3	2413.0	2593.3	2803.3	3000.8
50°	1654.8	1662.2	1667.1	1682.0	1733.8	1820.3	1936.3	2091.9	2264.8	2489.6	2699.5
52.5°	1543.6	1543.6	1528.8	1521.4	1541.2	1595.5	1662.2	1773.3	1951.2	2158.6	2380.9
55°	1425.1	1402.9	1397.9	1373.2	1378.2	1402.9	1435.0	1521.4	1667.1	1845.0	2059.8
57.5°	1259.6	1249.7	1249.7	1239.9	1220.1	1232.4	1239.9	1301.6	1405.3	1558.5	1746.2
60°	1069.4	1064.5	1076.8	1079.3	1062.0	1069.4	1067.0	1104.0	1178.1	1301.6	1457.2
62.5°	879.3	901.5	904.0	913.8	904.0	901.5	913.8	945.9	983.0	1076.8	1197.9
65°	738.5	750.8	753.3	765.6	760.7	760.7	770.6	795.3	817.5	881.7	975.6
67.5°	647.1	642.2	644.6	652.0	644.6	642.2	649.6	664.4	681.7	721.2	787.9
70°	575.5	570.5	570.5	570.5	560.7	553.2	555.7	560.7	568.1	590.3	632.3
72.5°	521.1	521.1	513.7	506.3	498.9	494.0	489.0	484.1	481.6	489.0	511.3
75°	471.7	474.2	471.7	464.3	454.4	444.6	434.7	424.8	412.5	407.5	410.0
77.5°	427.3	429.8	432.2	429.8	419.9	407.5	392.7	377.9	360.6	343.3	333.4
80°	387.8	392.7	395.2	392.7	385.3	375.4	358.1	340.8	316.1	293.9	269.2
82.5°	353.2	360.6	363.1	363.1	358.1	348.2	328.5	308.7	281.6	251.9	219.8
85°	326.0	331.0	335.9	335.9	333.4	323.5	303.8	281.6	254.4	219.8	185.2
87.5°	298.8	301.3	306.3	311.2	306.3	296.4	279.1	254.4	227.2	192.6	153.1
90°	271.7	274.2	279.1	284.0	281.6	271.7	256.9	234.6	205.0	167.9	128.4
92.5°	244.5	249.5	251.9	254.4	256.9	249.5	237.1	214.9	185.2	148.2	111.1
95°	224.8	224.8	229.7	232.2	234.6	227.2	217.3	195.1	167.9	133.4	96.3
97.5°	205.0	205.0	209.9	209.9	212.4	207.5	197.6	177.8	150.7	118.6	81.5
100°	185.2	187.7	190.2	192.6	192.6	190.2	180.3	160.5	135.8	106.2	71.6
102.5°	172.9	172.9	175.4	175.4	177.8	172.9	163.0	145.7	121.0	93.9	61.7
105°	160.5	160.5	163.0	163.0	160.5	155.6	145.7	130.9	108.7	81.5	54.3
107.5°	150.7	150.7	150.7	150.7	148.2	143.3	133.4	116.1	96.3	74.1	49.4
110°	143.3	140.8	140.8	138.3	135.8	128.4	118.6	103.7	86.4	64.2	42.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	135.8	133.4	130.9	128.4	123.5	116.1	106.2	93.9	76.6	56.8	37.0
115°	128.4	126.0	123.5	118.6	113.6	106.2	96.3	84.0	66.7	49.4	32.1
117.5°	121.0	118.6	113.6	108.7	103.7	96.3	86.4	74.1	59.3	44.5	29.6
120°	111.1	108.7	106.2	101.3	96.3	86.4	76.6	66.7	51.9	39.5	24.7
122.5°	103.7	101.3	96.3	93.9	86.4	79.0	69.2	59.3	46.9	34.6	22.2
125°	93.9	91.4	88.9	84.0	79.0	69.2	61.7	51.9	42.0	29.6	17.3
127.5°	86.4	84.0	79.0	74.1	69.2	61.7	54.3	46.9	37.0	24.7	17.3
130°	76.6	74.1	71.6	66.7	61.7	54.3	49.4	39.5	32.1	22.2	14.8
132.5°	66.7	66.7	64.2	59.3	54.3	49.4	42.0	34.6	27.2	19.8	12.3
135°	61.7	59.3	56.8	51.9	49.4	42.0	37.0	29.6	22.2	17.3	9.9
137.5°	54.3	51.9	49.4	46.9	42.0	37.0	32.1	24.7	19.8	14.8	9.9
140°	46.9	44.5	44.5	39.5	37.0	32.1	27.2	22.2	17.3	12.3	7.4
142.5°	42.0	39.5	37.0	34.6	32.1	27.2	22.2	17.3	14.8	9.9	7.4
145°	37.0	34.6	32.1	29.6	27.2	22.2	19.8	14.8	12.3	9.9	7.4
147.5°	29.6	29.6	27.2	24.7	22.2	19.8	17.3	14.8	9.9	7.4	4.9
150°	24.7	24.7	22.2	19.8	19.8	17.3	14.8	12.3	9.9	7.4	4.9
152.5°	22.2	19.8	19.8	17.3	17.3	14.8	12.3	9.9	7.4	7.4	4.9
155°	17.3	17.3	17.3	14.8	14.8	12.3	9.9	9.9	7.4	4.9	4.9
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-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6
2.5°	4789.0	4759.4	4784.1	4828.5	4823.6	4818.6	4813.7	4823.6	4855.7	4838.4	4811.2
5°	4781.6	4752.0	4779.1	4821.1	4818.6	4811.2	4806.3	4816.2	4848.3	4831.0	4801.3
7.5°	4766.8	4739.6	4759.4	4801.3	4801.3	4796.4	4791.5	4801.3	4831.0	4816.2	4786.5
10°	4742.1	4722.3	4742.1	4781.6	4784.1	4774.2	4769.2	4781.6	4811.2	4803.8	4779.1
12.5°	4722.3	4702.6	4724.8	4764.3	4766.8	4756.9	4749.5	4764.3	4803.8	4808.8	4801.3
15°	4695.1	4677.9	4705.0	4747.0	4747.0	4739.6	4739.6	4759.4	4813.7	4835.9	4848.3
17.5°	4655.6	4643.3	4675.4	4717.4	4719.8	4714.9	4717.4	4756.9	4828.5	4882.9	4917.4
20°	4606.2	4601.3	4635.9	4680.3	4687.7	4690.2	4702.6	4761.8	4860.6	4934.7	4969.3
22.5°	4547.0	4549.4	4588.9	4635.9	4645.8	4653.2	4677.9	4761.8	4885.3	4964.4	4979.2
25°	4480.3	4487.7	4529.7	4586.5	4598.8	4613.6	4655.6	4764.3	4892.7	4944.6	4919.9
27.5°	4408.6	4423.5	4477.8	4537.1	4551.9	4576.6	4630.9	4749.5	4858.2	4860.6	4769.2
30°	4334.6	4351.8	4416.1	4485.2	4509.9	4534.6	4601.3	4714.9	4774.2	4695.1	4534.6
32.5°	4250.6	4275.3	4339.5	4423.5	4453.1	4485.2	4551.9	4648.2	4626.0	4455.6	4225.9
35°	4144.4	4179.0	4253.0	4351.8	4379.0	4421.0	4467.9	4490.2	4391.4	4149.3	3890.0
37.5°	4013.5	4065.3	4151.8	4265.4	4295.0	4322.2	4334.6	4272.8	4075.2	3813.4	3544.2
40°	3862.8	3941.8	4035.7	4161.7	4191.3	4191.3	4146.8	4015.9	3766.5	3423.2	3124.3
42.5°	3680.0	3776.4	3894.9	4020.9	4050.5	4015.9	3909.7	3680.0	3396.0	3013.2	2697.1
45°	3457.8	3586.2	3719.6	3850.5	3865.3	3788.7	3598.5	3307.1	2956.4	2600.7	2299.4
47.5°	3193.5	3361.4	3507.2	3655.3	3635.6	3507.2	3252.8	2921.8	2551.3	2215.4	1973.4
50°	2897.1	3094.7	3257.7	3398.5	3356.5	3178.7	2879.8	2534.0	2166.0	1879.5	1679.5
52.5°	2581.0	2808.2	2971.2	3084.8	3028.0	2815.6	2487.1	2156.2	1854.8	1593.0	1459.7
55°	2252.5	2482.2	2650.1	2739.0	2664.9	2435.3	2111.7	1810.4	1526.4	1355.9	1276.9
57.5°	1933.9	2148.8	2306.8	2378.4	2284.6	2054.9	1756.0	1501.7	1296.7	1153.4	1113.9
60°	1627.6	1803.0	1953.6	2008.0	1906.7	1694.3	1437.4	1234.9	1084.3	985.5	965.7
62.5°	1343.6	1486.8	1605.4	1647.4	1548.6	1383.1	1160.8	1010.2	904.0	854.6	829.9
65°	1109.0	1192.9	1313.9	1306.5	1247.3	1094.1	931.1	824.9	755.8	723.7	708.8
67.5°	871.9	948.4	1025.0	1034.9	960.8	854.6	748.4	671.8	634.7	617.5	610.0
70°	674.3	731.1	778.0	765.6	726.1	659.4	592.8	550.8	536.0	528.5	528.5
72.5°	523.6	553.2	575.5	560.7	536.0	501.4	469.3	452.0	454.4	459.4	464.3
75°	405.1	412.5	417.4	402.6	397.6	375.4	372.9	375.4	390.2	405.1	412.5
77.5°	311.2	301.3	293.9	279.1	281.6	279.1	291.4	311.2	333.4	355.7	375.4
80°	239.6	217.3	200.1	185.2	192.6	205.0	229.7	259.3	289.0	313.7	338.4
82.5°	185.2	153.1	128.4	113.6	128.4	148.2	180.3	217.3	251.9	279.1	306.3
85°	143.3	106.2	76.6	61.7	76.6	106.2	140.8	182.8	219.8	249.5	276.6
87.5°	111.1	76.6	42.0	24.7	42.0	74.1	113.6	153.1	190.2	224.8	251.9
90°	88.9	51.9	19.8	4.9	22.2	51.9	88.9	128.4	165.5	202.5	229.7
92.5°	71.6	37.0	9.9	0.0	12.3	39.5	74.1	111.1	148.2	182.8	209.9
95°	59.3	29.6	7.4	0.0	9.9	29.6	59.3	96.3	130.9	165.5	187.7
97.5°	49.4	22.2	4.9	0.0	4.9	24.7	49.4	81.5	116.1	148.2	170.4
100°	42.0	19.8	4.9	0.0	4.9	19.8	42.0	71.6	101.3	130.9	153.1
102.5°	34.6	14.8	2.5	2.5	2.5	14.8	37.0	61.7	88.9	116.1	138.3
105°	32.1	12.3	2.5	2.5	2.5	12.3	32.1	54.3	79.0	103.7	123.5
107.5°	27.2	9.9	2.5	2.5	2.5	9.9	27.2	46.9	71.6	93.9	111.1
110°	22.2	9.9	2.5	2.5	2.5	9.9	22.2	42.0	61.7	81.5	98.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	19.8	7.4	2.5	2.5	2.5	7.4	19.8	37.0	54.3	74.1	88.9
115°	17.3	7.4	2.5	2.5	2.5	7.4	17.3	32.1	46.9	64.2	79.0
117.5°	14.8	7.4	2.5	2.5	2.5	4.9	14.8	27.2	42.0	56.8	71.6
120°	12.3	4.9	2.5	2.5	2.5	4.9	12.3	24.7	37.0	49.4	61.7
122.5°	12.3	4.9	2.5	2.5	2.5	4.9	9.9	19.8	32.1	42.0	54.3
125°	9.9	4.9	2.5	2.5	2.5	2.5	9.9	17.3	27.2	37.0	46.9
127.5°	9.9	4.9	2.5	2.5	2.5	2.5	7.4	14.8	22.2	32.1	42.0
130°	7.4	4.9	2.5	2.5	2.5	2.5	4.9	12.3	19.8	27.2	34.6
132.5°	7.4	4.9	2.5	2.5	2.5	2.5	4.9	9.9	14.8	22.2	29.6
135°	7.4	2.5	2.5	2.5	2.5	2.5	2.5	7.4	12.3	17.3	22.2
137.5°	4.9	2.5	2.5	2.5	2.5	2.5	2.5	4.9	9.9	12.3	19.8
140°	4.9	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	9.9	14.8
142.5°	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	12.3
145°	4.9	2.5	2.5	4.9	4.9	2.5	2.5	4.9	4.9	7.4	9.9
147.5°	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	7.4
150°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.4
152.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
155°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
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-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6
2.5°	4806.3	4749.5	4779.1	4769.2	4779.1	4803.8	4801.3	4793.9	4798.9	4786.5	4774.2
5°	4796.4	4739.6	4769.2	4756.9	4769.2	4793.9	4789.0	4781.6	4789.0	4774.2	4761.8
7.5°	4784.1	4732.2	4766.8	4764.3	4786.5	4818.6	4821.1	4821.1	4838.4	4816.2	4806.3
10°	4784.1	4756.9	4803.8	4821.1	4877.9	4919.9	4924.8	4934.7	4964.4	4959.4	4934.7
12.5°	4835.9	4831.0	4900.1	4942.1	4994.0	5053.3	5085.4	5095.3	5115.0	5100.2	5090.3
15°	4902.6	4927.3	5003.9	5050.8	5107.6	5152.1	5159.5	5164.4	5179.2	5157.0	5139.7
17.5°	4991.5	5006.3	5068.1	5087.9	5124.9	5132.3	5122.4	5097.7	5097.7	5048.3	5033.5
20°	5033.5	5026.1	5050.8	5018.7	5003.9	4959.4	4917.4	4870.5	4868.0	4816.2	4811.2
22.5°	4996.5	4947.1	4895.2	4816.2	4781.6	4717.4	4660.6	4633.4	4616.1	4549.4	4532.1
25°	4865.6	4744.5	4668.0	4574.1	4490.2	4416.1	4361.7	4304.9	4250.6	4196.2	4171.5
27.5°	4638.3	4524.7	4401.2	4270.3	4154.3	4040.6	3949.3	3892.5	3840.6	3769.0	3731.9
30°	4359.3	4201.2	4065.3	3939.4	3749.2	3610.9	3534.3	3420.7	3381.2	3349.1	3279.9
32.5°	4030.8	3840.6	3655.3	3484.9	3289.8	3161.4	3060.1	2976.1	2951.4	2867.5	2847.7
35°	3667.7	3418.2	3208.3	3040.4	2899.6	2744.0	2660.0	2603.2	2553.8	2497.0	2487.1
37.5°	3240.4	3015.7	2778.6	2630.4	2519.2	2385.9	2321.6	2282.1	2259.9	2217.9	2210.5
40°	2810.7	2585.9	2422.9	2274.7	2205.6	2133.9	2087.0	2069.7	2059.8	2045.0	2030.2
42.5°	2420.4	2222.8	2106.8	2008.0	1978.3	1943.8	1931.4	1941.3	1931.4	1926.5	1924.0
45°	2089.5	1938.8	1857.3	1827.7	1820.3	1810.4	1820.3	1837.6	1840.0	1835.1	1835.1
47.5°	1788.2	1716.5	1682.0	1686.9	1699.2	1706.7	1723.9	1746.2	1751.1	1738.8	1743.7
50°	1590.6	1548.6	1541.2	1560.9	1588.1	1598.0	1617.7	1635.0	1632.6	1627.6	1622.7
52.5°	1405.3	1393.0	1412.7	1432.5	1462.1	1467.1	1474.5	1481.9	1479.4	1469.5	1464.6
55°	1249.7	1259.6	1276.9	1284.3	1306.5	1304.1	1306.5	1306.5	1296.7	1291.7	1284.3
57.5°	1109.0	1111.4	1121.3	1123.8	1136.1	1131.2	1128.7	1123.8	1109.0	1106.5	1099.1
60°	965.7	960.8	983.0	965.7	975.6	965.7	963.2	950.9	936.1	933.6	928.7
62.5°	829.9	820.0	834.8	827.4	832.3	822.5	817.5	802.7	790.3	787.9	785.4
65°	708.8	703.9	718.7	716.3	721.2	708.8	703.9	694.0	684.1	681.7	679.2
67.5°	607.6	619.9	627.3	627.3	632.3	629.8	617.5	615.0	612.5	602.6	602.6
70°	533.5	540.9	555.7	558.2	555.7	560.7	550.8	548.3	545.8	540.9	538.4
72.5°	474.2	484.1	498.9	501.4	498.9	498.9	494.0	491.5	491.5	484.1	484.1
75°	427.3	439.6	452.0	452.0	452.0	447.0	442.1	442.1	437.2	434.7	429.8
77.5°	387.8	402.6	412.5	410.0	407.5	402.6	402.6	395.2	387.8	387.8	382.8
80°	358.1	368.0	375.4	372.9	370.5	363.1	360.6	353.2	348.2	340.8	340.8
82.5°	326.0	338.4	343.3	340.8	335.9	328.5	326.0	321.1	316.1	313.7	308.7
85°	298.8	311.2	313.7	308.7	303.8	298.8	296.4	293.9	291.4	286.5	286.5
87.5°	271.7	284.0	284.0	281.6	276.6	274.2	271.7	269.2	266.7	264.3	261.8
90°	249.5	259.3	259.3	256.9	254.4	251.9	249.5	247.0	244.5	242.0	242.0
92.5°	227.2	237.1	237.1	234.6	232.2	229.7	229.7	227.2	224.8	222.3	219.8
95°	207.5	217.3	217.3	217.3	214.9	212.4	212.4	209.9	207.5	207.5	205.0
97.5°	187.7	197.6	197.6	197.6	195.1	192.6	192.6	190.2	190.2	190.2	187.7
100°	170.4	177.8	180.3	180.3	177.8	177.8	177.8	175.4	175.4	175.4	172.9
102.5°	153.1	160.5	165.5	165.5	165.5	163.0	163.0	163.0	163.0	163.0	160.5
105°	138.3	145.7	150.7	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1
107.5°	126.0	133.4	138.3	140.8	143.3	143.3	145.7	145.7	145.7	145.7	145.7
110°	113.6	121.0	128.4	130.9	133.4	135.8	135.8	138.3	135.8	135.8	135.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	101.3	111.1	116.1	121.0	123.5	126.0	128.4	128.4	128.4	128.4	128.4
115°	91.4	101.3	106.2	111.1	116.1	118.6	118.6	121.0	121.0	121.0	118.6
117.5°	81.5	91.4	96.3	101.3	103.7	108.7	111.1	111.1	111.1	111.1	108.7
120°	74.1	81.5	86.4	91.4	96.3	98.8	101.3	101.3	101.3	101.3	101.3
122.5°	64.2	71.6	79.0	84.0	86.4	88.9	91.4	91.4	91.4	91.4	91.4
125°	56.8	64.2	69.2	74.1	76.6	81.5	81.5	81.5	81.5	81.5	81.5
127.5°	49.4	56.8	61.7	66.7	69.2	71.6	74.1	74.1	74.1	74.1	74.1
130°	42.0	49.4	54.3	59.3	61.7	64.2	64.2	66.7	66.7	66.7	66.7
132.5°	37.0	42.0	46.9	51.9	54.3	56.8	56.8	59.3	59.3	59.3	59.3
135°	29.6	37.0	39.5	44.5	46.9	49.4	49.4	51.9	51.9	51.9	51.9
137.5°	24.7	29.6	34.6	39.5	42.0	42.0	44.5	44.5	46.9	46.9	46.9
140°	19.8	22.2	29.6	32.1	34.6	37.0	39.5	39.5	39.5	39.5	39.5
142.5°	14.8	19.8	22.2	27.2	29.6	32.1	34.6	34.6	34.6	34.6	34.6
145°	12.3	14.8	17.3	22.2	24.7	27.2	29.6	29.6	29.6	29.6	29.6
147.5°	9.9	12.3	14.8	17.3	19.8	22.2	24.7	24.7	24.7	24.7	24.7
150°	7.4	9.9	12.3	12.3	14.8	17.3	19.8	22.2	22.2	22.2	22.2
152.5°	7.4	7.4	9.9	9.9	12.3	14.8	17.3	17.3	17.3	17.3	17.3
155°	4.9	7.4	7.4	7.4	9.9	9.9	12.3	14.8	14.8	14.8	14.8
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-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6
2.5°	4781.6	4791.5	4786.5	4779.1	4776.7	4789.0	4776.7	4719.8	4742.1	4744.5	4761.8
5°	4774.2	4781.6	4776.7	4771.7	4764.3	4779.1	4764.3	4705.0	4727.3	4729.7	4747.0
7.5°	4823.6	4826.0	4826.0	4813.7	4793.9	4801.3	4781.6	4714.9	4727.3	4727.3	4739.6
10°	4947.1	4952.0	4959.4	4927.3	4902.6	4882.9	4855.7	4774.2	4771.7	4752.0	4752.0
12.5°	5107.6	5095.3	5082.9	5068.1	5048.3	5023.6	4984.1	4887.8	4855.7	4823.6	4791.5
15°	5154.5	5149.6	5147.1	5139.7	5127.4	5120.0	5090.3	4994.0	4947.1	4907.6	4850.7
17.5°	5031.0	5040.9	5073.0	5075.5	5090.3	5120.0	5115.0	5048.3	5006.3	4989.1	4919.9
20°	4808.8	4811.2	4850.7	4868.0	4932.3	4981.6	5018.7	5011.3	5001.4	5021.2	4969.3
22.5°	4542.0	4559.3	4601.3	4628.5	4690.2	4747.0	4806.3	4838.4	4890.3	4971.8	4961.9
25°	4179.0	4201.2	4260.5	4304.9	4391.4	4477.8	4556.8	4613.6	4675.4	4831.0	4882.9
27.5°	3744.3	3778.8	3855.4	3899.9	4020.9	4109.8	4223.4	4334.6	4421.0	4598.8	4705.0
30°	3287.3	3317.0	3398.5	3460.2	3564.0	3685.0	3828.2	3986.3	4129.6	4309.9	4443.2
32.5°	2860.1	2892.2	2958.9	3013.2	3129.3	3230.5	3388.6	3583.7	3717.1	3966.5	4144.4
35°	2487.1	2516.8	2563.7	2610.6	2706.9	2810.7	2946.5	3136.7	3307.1	3566.4	3791.2
37.5°	2225.3	2230.3	2257.4	2284.6	2356.2	2435.3	2541.5	2709.4	2867.5	3146.6	3393.5
40°	2037.6	2037.6	2052.4	2059.8	2091.9	2138.9	2205.6	2336.5	2467.4	2679.8	2981.1
42.5°	1921.5	1916.6	1916.6	1919.1	1916.6	1938.8	1978.3	2040.1	2156.2	2331.5	2566.2
45°	1835.1	1825.2	1817.8	1800.5	1790.6	1790.6	1793.1	1815.3	1882.0	1995.6	2185.8
47.5°	1738.8	1736.3	1723.9	1704.2	1686.9	1674.5	1654.8	1647.4	1667.1	1731.4	1859.8
50°	1627.6	1615.3	1602.9	1588.1	1568.3	1556.0	1518.9	1521.4	1504.1	1533.8	1600.4
52.5°	1464.6	1454.7	1449.8	1437.4	1430.0	1425.1	1395.5	1365.8	1358.4	1363.3	1388.0
55°	1284.3	1289.3	1269.5	1279.4	1276.9	1254.7	1242.3	1220.1	1212.7	1210.2	1222.6
57.5°	1096.6	1101.5	1089.2	1099.1	1099.1	1086.7	1079.3	1079.3	1062.0	1047.2	1064.5
60°	926.2	916.3	923.7	936.1	936.1	928.7	923.7	923.7	911.4	906.4	918.8
62.5°	787.9	778.0	785.4	797.8	800.2	795.3	790.3	790.3	775.5	775.5	785.4
65°	681.7	684.1	681.7	691.6	691.6	694.0	689.1	684.1	666.9	674.3	671.8
67.5°	605.1	602.6	602.6	612.5	610.0	615.0	610.0	602.6	590.3	580.4	577.9
70°	540.9	538.4	538.4	543.4	545.8	545.8	543.4	538.4	521.1	511.3	503.8
72.5°	484.1	481.6	484.1	486.6	489.0	491.5	489.0	484.1	469.3	456.9	444.6
75°	432.2	429.8	437.2	437.2	439.6	439.6	442.1	439.6	427.3	412.5	397.6
77.5°	380.4	382.8	390.2	392.7	397.6	400.1	402.6	402.6	390.2	377.9	358.1
80°	338.4	343.3	348.2	350.7	355.7	363.1	365.5	368.0	358.1	345.8	323.5
82.5°	308.7	311.2	316.1	318.6	326.0	328.5	331.0	335.9	331.0	318.6	293.9
85°	284.0	286.5	291.4	291.4	296.4	301.3	303.8	306.3	303.8	291.4	266.7
87.5°	261.8	264.3	266.7	269.2	271.7	274.2	276.6	279.1	276.6	264.3	242.0
90°	242.0	242.0	244.5	244.5	247.0	249.5	254.4	254.4	251.9	242.0	219.8
92.5°	219.8	222.3	222.3	224.8	227.2	229.7	232.2	232.2	229.7	219.8	200.1
95°	205.0	205.0	207.5	207.5	209.9	209.9	212.4	212.4	209.9	200.1	180.3
97.5°	187.7	187.7	187.7	187.7	190.2	190.2	192.6	192.6	190.2	180.3	163.0
100°	172.9	172.9	172.9	172.9	172.9	175.4	175.4	175.4	172.9	163.0	145.7
102.5°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	155.6	148.2	130.9
105°	153.1	153.1	153.1	150.7	150.7	150.7	148.2	148.2	140.8	133.4	118.6
107.5°	143.3	143.3	143.3	140.8	140.8	138.3	135.8	135.8	128.4	121.0	106.2
110°	135.8	135.8	135.8	133.4	130.9	128.4	126.0	123.5	116.1	106.2	93.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	128.4	128.4	126.0	126.0	123.5	121.0	116.1	113.6	106.2	96.3	84.0
115°	118.6	118.6	118.6	116.1	113.6	111.1	108.7	103.7	96.3	86.4	74.1
117.5°	108.7	108.7	108.7	106.2	103.7	101.3	98.8	93.9	86.4	76.6	66.7
120°	98.8	98.8	98.8	96.3	93.9	91.4	88.9	84.0	76.6	69.2	56.8
122.5°	91.4	91.4	88.9	86.4	84.0	81.5	79.0	74.1	69.2	59.3	49.4
125°	81.5	81.5	79.0	79.0	76.6	74.1	71.6	66.7	59.3	51.9	44.5
127.5°	74.1	71.6	71.6	71.6	69.2	66.7	61.7	59.3	51.9	44.5	37.0
130°	64.2	64.2	64.2	61.7	61.7	59.3	54.3	49.4	44.5	39.5	32.1
132.5°	56.8	56.8	56.8	56.8	54.3	51.9	46.9	44.5	39.5	32.1	27.2
135°	51.9	51.9	49.4	49.4	46.9	44.5	42.0	37.0	32.1	27.2	22.2
137.5°	44.5	44.5	44.5	42.0	42.0	39.5	34.6	32.1	29.6	24.7	19.8
140°	39.5	39.5	37.0	37.0	34.6	34.6	32.1	27.2	24.7	19.8	17.3
142.5°	34.6	34.6	32.1	32.1	29.6	29.6	27.2	24.7	19.8	17.3	12.3
145°	29.6	29.6	27.2	27.2	27.2	24.7	22.2	19.8	17.3	14.8	12.3
147.5°	24.7	24.7	24.7	22.2	22.2	19.8	19.8	17.3	14.8	12.3	9.9
150°	22.2	22.2	19.8	19.8	19.8	17.3	14.8	14.8	12.3	9.9	7.4
152.5°	17.3	17.3	17.3	17.3	14.8	14.8	12.3	12.3	9.9	7.4	7.4
155°	14.8	14.8	14.8	12.3	12.3	12.3	9.9	9.9	7.4	7.4	4.9
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-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6	4781.6
2.5°	4754.4	4752.0	4774.2	4771.7	4742.1	4786.5	4816.2
5°	4742.1	4739.6	4759.4	4764.3	4732.2	4779.1	4811.2
7.5°	4732.2	4729.7	4752.0	4759.4	4727.3	4769.2	4803.8
10°	4734.7	4722.3	4742.1	4747.0	4717.4	4761.8	4791.5
12.5°	4752.0	4722.3	4729.7	4729.7	4702.6	4742.1	4774.2
15°	4793.9	4732.2	4722.3	4714.9	4680.3	4717.4	4749.5
17.5°	4840.9	4756.9	4722.3	4697.6	4655.6	4687.7	4722.3
20°	4887.8	4784.1	4727.3	4687.7	4630.9	4660.6	4685.3
22.5°	4910.0	4808.8	4732.2	4672.9	4601.3	4616.1	4643.3
25°	4880.4	4798.9	4722.3	4650.7	4564.2	4566.7	4588.9
27.5°	4771.7	4749.5	4700.1	4628.5	4534.6	4522.3	4539.5
30°	4586.5	4648.2	4650.7	4598.8	4500.0	4475.3	4482.7
32.5°	4327.1	4465.5	4547.0	4537.1	4450.6	4416.1	4421.0
35°	4028.3	4201.2	4379.0	4438.3	4376.5	4349.4	4339.5
37.5°	3670.2	3902.3	4139.4	4285.2	4275.3	4258.0	4248.1
40°	3275.0	3554.1	3835.6	4067.8	4139.4	4139.4	4144.4
42.5°	2852.7	3178.7	3487.4	3781.3	3949.3	3986.3	4001.1
45°	2445.1	2773.6	3109.5	3447.9	3672.6	3788.7	3830.7
47.5°	2074.7	2405.6	2724.2	3094.7	3393.5	3544.2	3610.9
50°	1758.5	2005.5	2341.4	2709.4	3035.4	3220.7	3351.6
52.5°	1496.7	1689.4	1983.3	2326.6	2655.1	2909.5	3030.5
55°	1276.9	1407.8	1657.3	1953.6	2267.3	2531.6	2672.4
57.5°	1091.7	1195.4	1365.8	1612.8	1877.1	2138.9	2289.5
60°	928.7	1000.3	1116.4	1311.5	1536.2	1761.0	1906.7
62.5°	787.9	834.8	911.4	1054.6	1230.0	1405.3	1541.2
65°	679.2	699.0	740.9	829.9	963.2	1096.6	1212.7
67.5°	573.0	585.3	617.5	671.8	738.5	834.8	911.4
70°	494.0	494.0	496.4	528.5	563.1	624.9	679.2
72.5°	429.8	422.3	407.5	414.9	422.3	456.9	491.5
75°	377.9	360.6	335.9	326.0	321.1	326.0	345.8
77.5°	333.4	308.7	279.1	254.4	234.6	227.2	244.5
80°	296.4	266.7	232.2	200.1	167.9	150.7	158.1
82.5°	266.7	229.7	192.6	155.6	118.6	93.9	93.9
85°	234.6	200.1	160.5	121.0	84.0	51.9	46.9
87.5°	212.4	175.4	133.4	96.3	59.3	27.2	14.8
90°	190.2	153.1	113.6	76.6	42.0	12.3	0.0
92.5°	170.4	135.8	98.8	61.7	29.6	7.4	0.0
95°	153.1	121.0	84.0	51.9	24.7	4.9	2.5
97.5°	135.8	106.2	74.1	42.0	17.3	4.9	2.5
100°	123.5	93.9	64.2	34.6	14.8	2.5	2.5
102.5°	108.7	84.0	54.3	29.6	12.3	2.5	2.5
105°	96.3	74.1	46.9	24.7	9.9	2.5	2.5
107.5°	86.4	64.2	42.0	22.2	9.9	2.5	2.5
110°	76.6	56.8	37.0	19.8	7.4	2.5	2.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	69.2	49.4	32.1	17.3	4.9	2.5	2.5
115°	59.3	44.5	27.2	14.8	4.9	2.5	2.5
117.5°	51.9	37.0	24.7	12.3	4.9	2.5	2.5
120°	44.5	32.1	19.8	9.9	2.5	2.5	2.5
122.5°	39.5	27.2	17.3	9.9	2.5	2.5	2.5
125°	34.6	24.7	14.8	7.4	2.5	2.5	2.5
127.5°	29.6	19.8	12.3	4.9	2.5	2.5	2.5
130°	24.7	17.3	9.9	4.9	2.5	2.5	2.5
132.5°	19.8	14.8	9.9	4.9	2.5	2.5	2.5
135°	17.3	12.3	7.4	4.9	2.5	2.5	2.5
137.5°	14.8	9.9	4.9	4.9	4.9	2.5	2.5
140°	12.3	7.4	4.9	4.9	4.9	4.9	2.5
142.5°	9.9	7.4	4.9	4.9	4.9	4.9	2.5
145°	7.4	4.9	4.9	4.9	4.9	4.9	2.5
147.5°	7.4	4.9	4.9	4.9	4.9	4.9	2.5
150°	4.9	4.9	4.9	4.9	4.9	4.9	4.9
152.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9
155°	4.9	4.9	4.9	4.9	4.9	4.9	4.9
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)