

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-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 (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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12151.0 lumens  
Efficiency: N/A  
Efficacy: 110.5 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

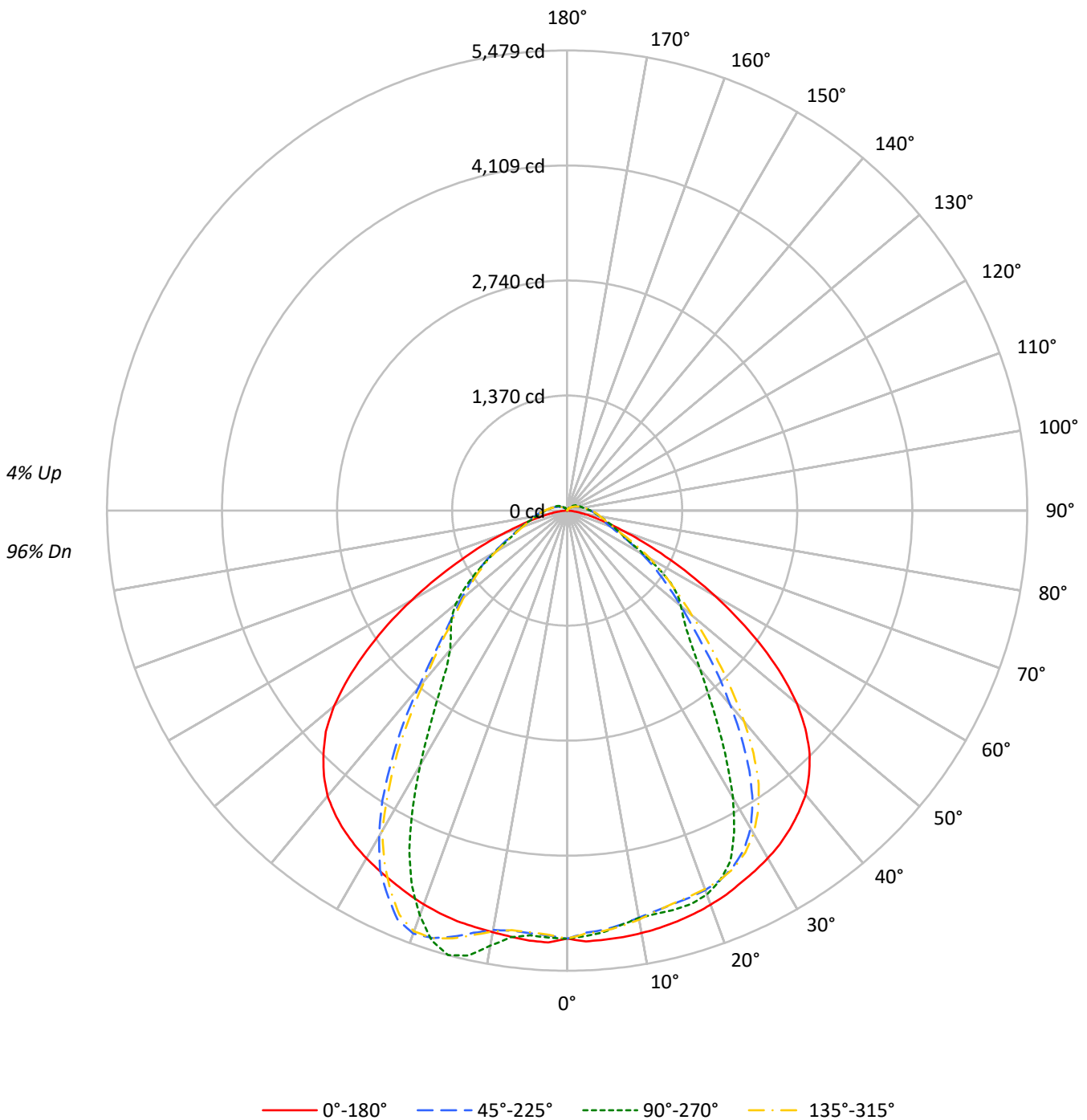
Input Watts (W): 110  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

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

	0°	90°	180°	270°
0°	20594	20594	20594	20594
5°	20773	19778	20816	19933
10°	20898	18956	20855	20242
15°	21090	18702	21079	20824
20°	21354	18406	21331	19401
25°	21650	17461	21639	16871
30°	22095	15133	22107	13407
35°	22570	12237	22634	10355
40°	23000	9853	23096	8680
45°	22974	8346	23093	8127
50°	22047	7684	22356	7512
55°	19629	6906	20119	6278
60°	15992	5286	16841	4848
65°	11958	4044	12883	3835
70°	8201	3491	9245	3338
75°	5437	3150	6330	2979
80°	3602	2937	4221	2702
85°	1967	2930	2588	2676



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	484.2	4.0
10°-20°	1440.5	11.9
20°-30°	2190.0	18.0
30°-40°	2349.4	19.3
40°-50°	2039.0	16.8
50°-60°	1511.1	12.4
60°-70°	865.8	7.1
70°-80°	479.4	3.9
80°-90°	292.0	2.4
90°-100°	189.9	1.6
100°-110°	127.1	1.0
110°-120°	85.9	0.7
120°-130°	52.7	0.4
130°-140°	27.7	0.2
140°-150°	12.6	0.1
150°-160°	3.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4114.7	33.9
0°-40°	6464.1	53.2
0°-60°	10014.2	82.4
0°-90°	11651.4	95.9
90°-120°	402.9	3.3
90°-150°	495.9	4.1
90°-180°	500.0	4.1
0°-180°	12151.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5097	5097	5097	5097	5097	
5°	5129	5036	5139	5076	5129	489
15°	5063	4921	5060	5479	5063	1432
25°	4892	4602	4889	4447	4892	2261
35°	4626	3133	4639	2651	4626	2895
45°	4083	2009	4104	1956	4083	3126
55°	2849	1506	2920	1369	2849	2526
65°	1293	764	1393	724	1293	1303
75°	369	484	429	458	369	421
85°	50	334	66	305	50	66
90°	0	279	5	258	0	2
95°	3	229	0	218	3	2
105°	3	171	3	163	3	3
115°	3	140	3	126	3	3
125°	3	105	3	87	3	2
135°	3	66	3	55	3	2
145°	3	40	5	32	3	2
155°	5	18	5	16	5	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0
2.5°	5133.9	5120.7	5115.5	5104.9	5112.8	5144.4	5123.4	5089.1	5091.8	5031.2	5062.8
5°	5128.6	5112.8	5104.9	5094.4	5099.7	5128.6	5107.6	5073.3	5070.7	5010.2	5039.1
7.5°	5120.7	5104.9	5091.8	5083.9	5086.5	5110.2	5083.9	5044.4	5036.5	4970.7	4997.0
10°	5107.6	5097.0	5078.6	5065.4	5062.8	5089.1	5047.0	5007.5	4989.1	4920.6	4947.0
12.5°	5089.1	5073.3	5054.9	5031.2	5028.6	5044.4	5010.2	4954.9	4936.4	4881.1	4910.1
15°	5062.8	5044.4	5023.3	4997.0	4983.8	4994.4	4952.2	4902.2	4899.6	4852.2	4891.7
17.5°	5033.8	5007.5	4983.8	4947.0	4928.5	4936.4	4902.2	4857.5	4862.7	4833.8	4878.5
20°	4994.4	4965.4	4928.5	4891.7	4865.4	4878.5	4854.8	4820.6	4828.5	4807.4	4846.9
22.5°	4949.6	4910.1	4865.4	4823.2	4802.2	4820.6	4802.2	4773.2	4775.8	4762.7	4786.4
25°	4891.7	4846.9	4794.3	4741.6	4731.1	4744.2	4733.7	4710.0	4699.5	4678.4	4689.0
27.5°	4839.0	4789.0	4723.2	4667.9	4649.5	4675.8	4652.1	4612.6	4583.6	4554.7	4533.6
30°	4778.5	4717.9	4644.2	4581.0	4565.2	4575.7	4541.5	4481.0	4404.6	4367.8	4309.8
32.5°	4712.7	4633.7	4541.5	4470.4	4459.9	4452.0	4388.8	4301.9	4183.5	4109.7	4020.2
35°	4625.8	4538.9	4428.3	4341.4	4325.6	4280.9	4178.2	4062.4	3909.7	3783.3	3630.6
37.5°	4528.4	4425.7	4309.8	4194.0	4149.2	4059.7	3914.9	3793.8	3562.1	3409.4	3225.1
40°	4417.8	4294.0	4151.9	4012.3	3938.6	3793.8	3628.0	3448.9	3225.1	3019.8	2864.5
42.5°	4265.1	4133.4	3964.9	3809.6	3683.2	3491.0	3296.2	3043.5	2838.1	2664.4	2506.4
45°	4083.4	3925.5	3730.6	3543.7	3383.1	3154.1	2925.0	2672.3	2501.1	2298.4	2190.5
47.5°	3849.1	3678.0	3470.0	3262.0	3051.4	2798.6	2559.0	2316.8	2145.7	2000.9	1921.9
50°	3572.7	3414.7	3185.6	2938.2	2706.5	2443.2	2203.6	2022.0	1856.1	1766.6	1706.0
52.5°	3230.4	3083.0	2848.7	2580.1	2356.3	2098.3	1879.8	1732.4	1613.9	1548.1	1527.0
55°	2848.7	2719.6	2488.0	2237.9	2008.8	1771.9	1606.0	1477.0	1400.6	1361.1	1363.8
57.5°	2440.6	2340.5	2122.0	1898.2	1682.3	1503.3	1353.2	1250.6	1192.6	1190.0	1197.9
60°	2032.5	1958.8	1769.2	1577.0	1387.5	1242.7	1132.1	1061.0	1024.1	1026.8	1024.1
62.5°	1642.8	1574.4	1437.5	1279.5	1129.5	1032.0	932.0	903.0	871.4	868.8	868.8
65°	1292.7	1240.0	1129.5	1016.2	903.0	839.9	789.8	755.6	731.9	726.6	729.3
67.5°	971.5	950.4	874.1	797.7	726.6	687.2	645.0	637.1	618.7	618.7	624.0
70°	724.0	708.2	666.1	621.3	592.4	566.0	545.0	545.0	542.3	539.7	552.9
72.5°	523.9	526.6	513.4	479.2	476.5	471.3	466.0	473.9	476.5	484.4	500.2
75°	368.6	376.5	376.5	371.2	381.8	394.9	402.8	416.0	431.8	442.3	460.7
77.5°	260.6	260.6	273.8	289.6	310.7	334.4	355.4	373.9	394.9	408.1	423.9
80°	168.5	176.4	197.5	226.4	255.4	287.0	315.9	339.6	360.7	381.8	392.3
82.5°	100.0	113.2	139.5	176.4	213.3	252.7	281.7	310.7	334.4	355.4	363.3
85°	50.0	68.5	100.0	139.5	179.0	221.2	258.0	284.3	310.7	329.1	339.6
87.5°	15.8	36.9	71.1	107.9	150.1	192.2	231.7	260.6	284.3	300.1	310.7
90°	0.0	18.4	50.0	89.5	129.0	171.1	208.0	239.6	263.3	276.4	284.3
92.5°	0.0	10.5	39.5	73.7	110.6	152.7	189.6	218.5	239.6	252.7	258.0
95°	2.6	7.9	29.0	60.6	97.4	136.9	171.1	197.5	218.5	231.7	234.3
97.5°	2.6	5.3	23.7	50.0	84.2	121.1	155.3	181.7	197.5	210.6	213.3
100°	2.6	5.3	18.4	44.8	73.7	107.9	139.5	163.2	181.7	192.2	194.8
102.5°	2.6	2.6	15.8	36.9	65.8	94.8	123.7	147.4	163.2	173.8	179.0
105°	2.6	2.6	13.2	31.6	57.9	84.2	110.6	134.3	147.4	158.0	163.2
107.5°	2.6	2.6	10.5	26.3	50.0	73.7	100.0	118.5	134.3	144.8	150.1
110°	2.6	2.6	7.9	23.7	42.1	65.8	86.9	105.3	121.1	131.6	136.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.6	2.6	7.9	21.1	36.9	57.9	76.4	94.8	107.9	118.5	126.4
115°	2.6	2.6	7.9	18.4	34.2	50.0	68.5	84.2	97.4	107.9	115.8
117.5°	2.6	2.6	7.9	15.8	29.0	44.8	60.6	76.4	86.9	97.4	105.3
120°	2.6	2.6	5.3	13.2	26.3	39.5	52.7	65.8	79.0	89.5	97.4
122.5°	2.6	2.6	5.3	13.2	21.1	34.2	47.4	57.9	71.1	79.0	86.9
125°	2.6	2.6	5.3	10.5	18.4	31.6	42.1	52.7	60.6	71.1	79.0
127.5°	2.6	2.6	5.3	10.5	15.8	26.3	36.9	47.4	55.3	63.2	68.5
130°	2.6	2.6	5.3	7.9	13.2	21.1	31.6	39.5	50.0	55.3	60.6
132.5°	2.6	2.6	2.6	7.9	10.5	15.8	23.7	34.2	42.1	50.0	52.7
135°	2.6	2.6	2.6	5.3	10.5	13.2	18.4	26.3	34.2	42.1	47.4
137.5°	2.6	2.6	2.6	5.3	7.9	13.2	15.8	21.1	29.0	34.2	42.1
140°	2.6	2.6	2.6	5.3	7.9	10.5	13.2	18.4	23.7	29.0	34.2
142.5°	2.6	2.6	2.6	5.3	5.3	7.9	10.5	15.8	18.4	23.7	29.0
145°	2.6	2.6	2.6	5.3	5.3	7.9	10.5	13.2	15.8	18.4	23.7
147.5°	2.6	2.6	2.6	5.3	5.3	5.3	7.9	10.5	13.2	15.8	18.4
150°	5.3	5.3	5.3	5.3	5.3	5.3	7.9	7.9	10.5	13.2	15.8
152.5°	5.3	5.3	5.3	5.3	5.3	5.3	7.9	7.9	7.9	10.5	13.2
155°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.9	7.9	10.5	10.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0
2.5°	5052.3	5057.5	5089.1	5086.5	5081.2	5076.0	5076.0	5070.7	5076.0	5089.1	5083.9
5°	5026.0	5033.8	5057.5	5054.9	5049.6	5047.0	5044.4	5036.5	5041.7	5060.2	5054.9
7.5°	4978.6	4986.5	5007.5	4997.0	4989.1	4994.4	4981.2	4973.3	4983.8	5002.3	4999.6
10°	4928.5	4933.8	4960.1	4954.9	4941.7	4944.3	4931.2	4925.9	4939.1	4949.6	4952.2
12.5°	4894.3	4912.7	4936.4	4933.8	4931.2	4933.8	4920.6	4915.4	4923.3	4933.8	4931.2
15°	4886.4	4910.1	4936.4	4936.4	4939.1	4941.7	4928.5	4920.6	4928.5	4936.4	4933.8
17.5°	4878.5	4907.5	4931.2	4928.5	4931.2	4936.4	4915.4	4910.1	4920.6	4931.2	4925.9
20°	4852.2	4878.5	4894.3	4889.0	4889.0	4891.7	4865.4	4865.4	4881.1	4889.0	4891.7
22.5°	4778.5	4810.1	4810.1	4796.9	4796.9	4786.4	4778.5	4762.7	4781.1	4794.3	4804.8
25°	4667.9	4681.1	4665.3	4636.3	4620.5	4607.3	4570.5	4602.1	4602.1	4641.6	4654.7
27.5°	4512.6	4483.6	4438.8	4378.3	4365.1	4323.0	4299.3	4307.2	4320.4	4375.7	4417.8
30°	4257.2	4170.3	4094.0	4067.6	4009.7	3967.6	3925.5	3946.5	3970.2	4001.8	4088.7
32.5°	3920.2	3835.9	3712.2	3667.4	3606.9	3554.2	3504.2	3535.8	3577.9	3599.0	3693.8
35°	3533.2	3433.1	3319.9	3243.6	3180.4	3151.4	3088.2	3133.0	3177.7	3193.5	3275.2
37.5°	3122.5	3019.8	2919.7	2853.9	2793.4	2774.9	2732.8	2764.4	2798.6	2822.3	2890.8
40°	2732.8	2638.0	2561.7	2516.9	2474.8	2459.0	2443.2	2456.4	2482.7	2501.1	2553.8
42.5°	2398.5	2322.1	2269.4	2243.1	2214.2	2193.1	2195.7	2201.0	2214.2	2253.6	2277.3
45°	2106.2	2061.5	2027.2	2022.0	2003.5	2000.9	1998.3	2008.8	2016.7	2040.4	2058.8
47.5°	1871.9	1853.5	1845.6	1856.1	1864.0	1853.5	1858.7	1871.9	1887.7	1887.7	1885.1
50°	1687.6	1692.9	1703.4	1727.1	1742.9	1748.2	1753.4	1769.2	1771.9	1777.1	1769.2
52.5°	1537.5	1542.8	1571.8	1608.6	1627.0	1634.9	1645.5	1661.3	1661.3	1666.5	1656.0
55°	1384.8	1392.7	1421.7	1458.6	1474.3	1484.9	1495.4	1505.9	1513.8	1524.4	1516.5
57.5°	1216.3	1240.0	1258.5	1269.0	1279.5	1287.4	1295.3	1298.0	1313.8	1316.4	1329.5
60°	1037.3	1042.6	1061.0	1058.4	1050.5	1071.5	1061.0	1079.4	1097.9	1121.6	1124.2
62.5°	866.2	868.8	882.0	876.7	887.2	884.6	892.5	892.5	905.7	916.2	929.4
65°	731.9	734.5	745.1	745.1	742.4	750.3	758.2	763.5	763.5	771.4	781.9
67.5°	631.9	639.8	650.3	655.6	660.8	660.8	668.7	671.4	676.6	679.3	684.5
70°	563.4	573.9	584.5	589.7	592.4	597.6	600.3	600.3	605.5	608.2	613.4
72.5°	513.4	523.9	531.8	531.8	537.1	539.7	539.7	542.3	545.0	550.2	555.5
75°	471.3	479.2	484.4	481.8	481.8	481.8	484.4	484.4	489.7	495.0	500.2
77.5°	431.8	439.7	439.7	434.4	434.4	434.4	434.4	437.0	439.7	444.9	450.2
80°	402.8	402.8	400.2	400.2	394.9	392.3	392.3	394.9	394.9	400.2	408.1
82.5°	371.2	371.2	368.6	366.0	363.3	360.7	360.7	363.3	366.0	368.6	373.9
85°	342.3	342.3	337.0	337.0	334.4	334.4	334.4	334.4	337.0	339.6	344.9
87.5°	313.3	310.7	308.0	305.4	305.4	305.4	305.4	305.4	308.0	313.3	315.9
90°	284.3	281.7	279.1	279.1	276.4	276.4	279.1	279.1	281.7	284.3	287.0
92.5°	258.0	255.4	252.7	252.7	250.1	250.1	252.7	250.1	255.4	255.4	258.0
95°	234.3	231.7	229.1	229.1	229.1	229.1	229.1	229.1	231.7	231.7	234.3
97.5°	213.3	210.6	208.0	208.0	210.6	208.0	210.6	210.6	210.6	213.3	215.9
100°	194.8	192.2	192.2	194.8	192.2	192.2	194.8	194.8	194.8	194.8	197.5
102.5°	179.0	179.0	179.0	179.0	179.0	179.0	181.7	181.7	181.7	181.7	184.3
105°	163.2	165.9	165.9	165.9	168.5	168.5	168.5	171.1	171.1	171.1	171.1
107.5°	152.7	155.3	155.3	158.0	158.0	160.6	160.6	160.6	160.6	163.2	163.2
110°	142.2	144.8	147.4	150.1	150.1	152.7	152.7	152.7	152.7	152.7	152.7





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	131.6	134.3	136.9	142.2	144.8	144.8	144.8	144.8	147.4	147.4	144.8
115°	121.1	126.4	129.0	134.3	136.9	136.9	139.5	139.5	139.5	139.5	136.9
117.5°	110.6	118.5	121.1	126.4	129.0	129.0	131.6	131.6	131.6	131.6	129.0
120°	102.7	107.9	113.2	115.8	118.5	121.1	121.1	123.7	123.7	123.7	121.1
122.5°	94.8	100.0	105.3	107.9	110.6	113.2	113.2	113.2	113.2	113.2	113.2
125°	84.2	89.5	94.8	97.4	100.0	102.7	102.7	105.3	105.3	105.3	102.7
127.5°	76.4	81.6	84.2	89.5	92.1	92.1	94.8	94.8	94.8	94.8	92.1
130°	65.8	71.1	76.4	79.0	81.6	81.6	84.2	84.2	84.2	84.2	84.2
132.5°	57.9	63.2	65.8	71.1	71.1	73.7	73.7	76.4	76.4	76.4	73.7
135°	52.7	55.3	57.9	63.2	63.2	65.8	65.8	65.8	65.8	65.8	65.8
137.5°	47.4	50.0	52.7	55.3	55.3	57.9	57.9	57.9	57.9	60.6	57.9
140°	39.5	44.8	47.4	47.4	50.0	50.0	50.0	52.7	52.7	52.7	50.0
142.5°	34.2	36.9	39.5	42.1	44.8	44.8	44.8	44.8	47.4	44.8	44.8
145°	26.3	31.6	34.2	36.9	39.5	39.5	39.5	39.5	39.5	39.5	39.5
147.5°	21.1	23.7	29.0	31.6	31.6	34.2	34.2	34.2	34.2	34.2	34.2
150°	18.4	18.4	23.7	26.3	29.0	29.0	29.0	29.0	29.0	29.0	29.0
152.5°	13.2	15.8	18.4	21.1	23.7	23.7	23.7	23.7	23.7	23.7	23.7
155°	13.2	13.2	15.8	15.8	18.4	18.4	18.4	18.4	21.1	18.4	18.4
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0
2.5°	5076.0	5073.3	5083.9	5073.3	5020.7	5041.7	5033.8	5062.8	5065.4	5073.3	5099.7
5°	5049.6	5049.6	5062.8	5052.3	5002.3	5023.3	5020.7	5049.6	5054.9	5060.2	5089.1
7.5°	4997.0	4999.6	5018.1	5010.2	4957.5	4989.1	4986.5	5020.7	5031.2	5041.7	5068.1
10°	4947.0	4944.3	4965.4	4957.5	4907.5	4944.3	4941.7	4975.9	4991.7	5010.2	5041.7
12.5°	4920.6	4912.7	4920.6	4912.7	4857.5	4886.4	4889.0	4928.5	4947.0	4970.7	5007.5
15°	4920.6	4907.5	4907.5	4891.7	4828.5	4846.9	4849.6	4875.9	4899.6	4923.3	4968.0
17.5°	4915.4	4902.2	4899.6	4886.4	4818.0	4818.0	4815.3	4833.8	4846.9	4870.6	4918.0
20°	4886.4	4881.1	4878.5	4870.6	4807.4	4796.9	4791.6	4791.6	4799.5	4807.4	4854.8
22.5°	4810.1	4815.3	4820.6	4825.9	4775.8	4757.4	4760.0	4754.8	4746.9	4746.9	4786.4
25°	4667.9	4694.2	4715.3	4739.0	4710.0	4696.9	4712.7	4704.8	4691.6	4681.1	4715.3
27.5°	4441.5	4496.8	4541.5	4599.4	4602.1	4591.5	4633.7	4628.4	4625.8	4610.0	4636.3
30°	4128.2	4215.1	4275.6	4359.9	4430.9	4441.5	4512.6	4523.1	4533.6	4525.7	4552.1
32.5°	3749.1	3867.5	3970.2	4101.9	4170.3	4230.9	4330.9	4373.0	4415.1	4428.3	4457.3
35°	3335.7	3470.0	3591.1	3735.9	3843.8	3975.5	4096.6	4159.8	4254.6	4291.4	4333.5
37.5°	2943.4	3069.8	3188.3	3333.1	3506.8	3643.7	3793.8	3936.0	4065.0	4117.6	4180.8
40°	2595.9	2698.6	2811.8	2938.2	3096.1	3275.2	3438.4	3635.9	3788.6	3893.9	3986.0
42.5°	2332.6	2382.7	2480.1	2593.3	2719.6	2901.3	3067.2	3288.3	3472.6	3622.7	3775.4
45°	2098.3	2122.0	2193.1	2253.6	2382.7	2543.3	2719.6	2935.5	3127.7	3319.9	3504.2
47.5°	1898.2	1927.2	1961.4	1998.3	2090.4	2224.7	2377.4	2572.2	2764.4	2988.2	3198.8
50°	1764.0	1771.9	1777.1	1792.9	1848.2	1940.3	2064.1	2230.0	2414.2	2653.8	2877.6
52.5°	1645.5	1645.5	1629.7	1621.8	1642.8	1700.8	1771.9	1890.3	2079.9	2301.0	2538.0
55°	1519.1	1495.4	1490.1	1463.8	1469.1	1495.4	1529.6	1621.8	1777.1	1966.7	2195.7
57.5°	1342.7	1332.2	1332.2	1321.6	1300.6	1313.8	1321.6	1387.5	1498.0	1661.3	1861.4
60°	1140.0	1134.7	1147.9	1150.5	1132.1	1140.0	1137.4	1176.8	1255.8	1387.5	1553.3
62.5°	937.3	961.0	963.6	974.1	963.6	961.0	974.1	1008.3	1047.8	1147.9	1276.9
65°	787.2	800.4	803.0	816.2	810.9	810.9	821.4	847.8	871.4	939.9	1039.9
67.5°	689.8	684.5	687.2	695.1	687.2	684.5	692.4	708.2	726.6	768.8	839.9
70°	613.4	608.2	608.2	608.2	597.6	589.7	592.4	597.6	605.5	629.2	674.0
72.5°	555.5	555.5	547.6	539.7	531.8	526.6	521.3	516.0	513.4	521.3	545.0
75°	502.9	505.5	502.9	495.0	484.4	473.9	463.4	452.8	439.7	434.4	437.0
77.5°	455.5	458.1	460.7	458.1	447.6	434.4	418.6	402.8	384.4	366.0	355.4
80°	413.3	418.6	421.2	418.6	410.7	400.2	381.8	363.3	337.0	313.3	287.0
82.5°	376.5	384.4	387.0	387.0	381.8	371.2	350.2	329.1	300.1	268.5	234.3
85°	347.5	352.8	358.1	358.1	355.4	344.9	323.8	300.1	271.2	234.3	197.5
87.5°	318.6	321.2	326.5	331.7	326.5	315.9	297.5	271.2	242.2	205.4	163.2
90°	289.6	292.2	297.5	302.8	300.1	289.6	273.8	250.1	218.5	179.0	136.9
92.5°	260.6	265.9	268.5	271.2	273.8	265.9	252.7	229.1	197.5	158.0	118.5
95°	239.6	239.6	244.8	247.5	250.1	242.2	231.7	208.0	179.0	142.2	102.7
97.5°	218.5	218.5	223.8	223.8	226.4	221.2	210.6	189.6	160.6	126.4	86.9
100°	197.5	200.1	202.7	205.4	205.4	202.7	192.2	171.1	144.8	113.2	76.4
102.5°	184.3	184.3	186.9	186.9	189.6	184.3	173.8	155.3	129.0	100.0	65.8
105°	171.1	171.1	173.8	173.8	171.1	165.9	155.3	139.5	115.8	86.9	57.9
107.5°	160.6	160.6	160.6	160.6	158.0	152.7	142.2	123.7	102.7	79.0	52.7
110°	152.7	150.1	150.1	147.4	144.8	136.9	126.4	110.6	92.1	68.5	44.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	144.8	142.2	139.5	136.9	131.6	123.7	113.2	100.0	81.6	60.6	39.5
115°	136.9	134.3	131.6	126.4	121.1	113.2	102.7	89.5	71.1	52.7	34.2
117.5°	129.0	126.4	121.1	115.8	110.6	102.7	92.1	79.0	63.2	47.4	31.6
120°	118.5	115.8	113.2	107.9	102.7	92.1	81.6	71.1	55.3	42.1	26.3
122.5°	110.6	107.9	102.7	100.0	92.1	84.2	73.7	63.2	50.0	36.9	23.7
125°	100.0	97.4	94.8	89.5	84.2	73.7	65.8	55.3	44.8	31.6	18.4
127.5°	92.1	89.5	84.2	79.0	73.7	65.8	57.9	50.0	39.5	26.3	18.4
130°	81.6	79.0	76.4	71.1	65.8	57.9	52.7	42.1	34.2	23.7	15.8
132.5°	71.1	71.1	68.5	63.2	57.9	52.7	44.8	36.9	29.0	21.1	13.2
135°	65.8	63.2	60.6	55.3	52.7	44.8	39.5	31.6	23.7	18.4	10.5
137.5°	57.9	55.3	52.7	50.0	44.8	39.5	34.2	26.3	21.1	15.8	10.5
140°	50.0	47.4	47.4	42.1	39.5	34.2	29.0	23.7	18.4	13.2	7.9
142.5°	44.8	42.1	39.5	36.9	34.2	29.0	23.7	18.4	15.8	10.5	7.9
145°	39.5	36.9	34.2	31.6	29.0	23.7	21.1	15.8	13.2	10.5	7.9
147.5°	31.6	31.6	29.0	26.3	23.7	21.1	18.4	15.8	10.5	7.9	5.3
150°	26.3	26.3	23.7	21.1	21.1	18.4	15.8	13.2	10.5	7.9	5.3
152.5°	23.7	21.1	21.1	18.4	18.4	15.8	13.2	10.5	7.9	7.9	5.3
155°	18.4	18.4	18.4	15.8	15.8	13.2	10.5	10.5	7.9	5.3	5.3
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0
2.5°	5104.9	5073.3	5099.7	5147.1	5141.8	5136.5	5131.3	5141.8	5176.0	5157.6	5128.6
5°	5097.0	5065.4	5094.4	5139.2	5136.5	5128.6	5123.4	5133.9	5168.1	5149.7	5118.1
7.5°	5081.2	5052.3	5073.3	5118.1	5118.1	5112.8	5107.6	5118.1	5149.7	5133.9	5102.3
10°	5054.9	5033.8	5054.9	5097.0	5099.7	5089.1	5083.9	5097.0	5128.6	5120.7	5094.4
12.5°	5033.8	5012.8	5036.5	5078.6	5081.2	5070.7	5062.8	5078.6	5120.7	5126.0	5118.1
15°	5004.9	4986.5	5015.4	5060.2	5060.2	5052.3	5052.3	5073.3	5131.3	5155.0	5168.1
17.5°	4962.8	4949.6	4983.8	5028.6	5031.2	5026.0	5028.6	5070.7	5147.1	5205.0	5241.8
20°	4910.1	4904.8	4941.7	4989.1	4997.0	4999.6	5012.8	5076.0	5181.3	5260.3	5297.1
22.5°	4846.9	4849.6	4891.7	4941.7	4952.2	4960.1	4986.5	5076.0	5207.6	5291.9	5307.7
25°	4775.8	4783.7	4828.5	4889.0	4902.2	4918.0	4962.8	5078.6	5215.5	5270.8	5244.5
27.5°	4699.5	4715.3	4773.2	4836.4	4852.2	4878.5	4936.4	5062.8	5178.7	5181.3	5083.9
30°	4620.5	4638.9	4707.4	4781.1	4807.4	4833.8	4904.8	5026.0	5089.1	5004.9	4833.8
32.5°	4531.0	4557.3	4625.8	4715.3	4746.9	4781.1	4852.2	4954.9	4931.2	4749.5	4504.7
35°	4417.8	4454.6	4533.6	4638.9	4667.9	4712.7	4762.7	4786.4	4681.1	4423.0	4146.6
37.5°	4278.2	4333.5	4425.7	4546.8	4578.4	4607.3	4620.5	4554.7	4344.1	4065.0	3778.0
40°	4117.6	4201.9	4301.9	4436.2	4467.8	4467.8	4420.4	4280.9	4015.0	3649.0	3330.4
42.5°	3922.8	4025.5	4151.9	4286.1	4317.7	4280.9	4167.7	3922.8	3620.1	3212.0	2875.0
45°	3685.9	3822.8	3964.9	4104.5	4120.3	4038.7	3835.9	3525.3	3151.4	2772.3	2451.1
47.5°	3404.2	3583.2	3738.5	3896.5	3875.4	3738.5	3467.4	3114.6	2719.6	2361.6	2103.6
50°	3088.2	3298.9	3472.6	3622.7	3577.9	3388.4	3069.8	2701.2	2308.9	2003.5	1790.3
52.5°	2751.2	2993.5	3167.2	3288.3	3227.8	3001.4	2651.2	2298.4	1977.2	1698.1	1556.0
55°	2401.1	2645.9	2825.0	2919.7	2840.8	2595.9	2251.0	1929.8	1627.0	1445.4	1361.1
57.5°	2061.5	2290.5	2459.0	2535.4	2435.3	2190.5	1871.9	1600.7	1382.2	1229.5	1187.4
60°	1735.0	1921.9	2082.5	2140.4	2032.5	1806.1	1532.3	1316.4	1155.8	1050.5	1029.4
62.5°	1432.2	1584.9	1711.3	1756.1	1650.7	1474.3	1237.4	1076.8	963.6	910.9	884.6
65°	1182.1	1271.6	1400.6	1392.7	1329.5	1166.3	992.6	879.3	805.6	771.4	755.6
67.5°	929.4	1011.0	1092.6	1103.1	1024.1	910.9	797.7	716.1	676.6	658.2	650.3
70°	718.7	779.3	829.3	816.2	774.0	702.9	631.9	587.1	571.3	563.4	563.4
72.5°	558.1	589.7	613.4	597.6	571.3	534.5	500.2	481.8	484.4	489.7	495.0
75°	431.8	439.7	444.9	429.1	423.9	400.2	397.5	400.2	416.0	431.8	439.7
77.5°	331.7	321.2	313.3	297.5	300.1	297.5	310.7	331.7	355.4	379.1	400.2
80°	255.4	231.7	213.3	197.5	205.4	218.5	244.8	276.4	308.0	334.4	360.7
82.5°	197.5	163.2	136.9	121.1	136.9	158.0	192.2	231.7	268.5	297.5	326.5
85°	152.7	113.2	81.6	65.8	81.6	113.2	150.1	194.8	234.3	265.9	294.9
87.5°	118.5	81.6	44.8	26.3	44.8	79.0	121.1	163.2	202.7	239.6	268.5
90°	94.8	55.3	21.1	5.3	23.7	55.3	94.8	136.9	176.4	215.9	244.8
92.5°	76.4	39.5	10.5	0.0	13.2	42.1	79.0	118.5	158.0	194.8	223.8
95°	63.2	31.6	7.9	0.0	10.5	31.6	63.2	102.7	139.5	176.4	200.1
97.5°	52.7	23.7	5.3	0.0	5.3	26.3	52.7	86.9	123.7	158.0	181.7
100°	44.8	21.1	5.3	0.0	5.3	21.1	44.8	76.4	107.9	139.5	163.2
102.5°	36.9	15.8	2.6	2.6	2.6	15.8	39.5	65.8	94.8	123.7	147.4
105°	34.2	13.2	2.6	2.6	2.6	13.2	34.2	57.9	84.2	110.6	131.6
107.5°	29.0	10.5	2.6	2.6	2.6	10.5	29.0	50.0	76.4	100.0	118.5
110°	23.7	10.5	2.6	2.6	2.6	10.5	23.7	44.8	65.8	86.9	105.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	21.1	7.9	2.6	2.6	2.6	7.9	21.1	39.5	57.9	79.0	94.8
115°	18.4	7.9	2.6	2.6	2.6	7.9	18.4	34.2	50.0	68.5	84.2
117.5°	15.8	7.9	2.6	2.6	2.6	5.3	15.8	29.0	44.8	60.6	76.4
120°	13.2	5.3	2.6	2.6	2.6	5.3	13.2	26.3	39.5	52.7	65.8
122.5°	13.2	5.3	2.6	2.6	2.6	5.3	10.5	21.1	34.2	44.8	57.9
125°	10.5	5.3	2.6	2.6	2.6	2.6	10.5	18.4	29.0	39.5	50.0
127.5°	10.5	5.3	2.6	2.6	2.6	2.6	7.9	15.8	23.7	34.2	44.8
130°	7.9	5.3	2.6	2.6	2.6	2.6	5.3	13.2	21.1	29.0	36.9
132.5°	7.9	5.3	2.6	2.6	2.6	2.6	5.3	10.5	15.8	23.7	31.6
135°	7.9	2.6	2.6	2.6	2.6	2.6	2.6	7.9	13.2	18.4	23.7
137.5°	5.3	2.6	2.6	2.6	2.6	2.6	2.6	5.3	10.5	13.2	21.1
140°	5.3	2.6	2.6	2.6	2.6	2.6	2.6	5.3	7.9	10.5	15.8
142.5°	5.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.3	7.9	13.2
145°	5.3	2.6	2.6	5.3	5.3	2.6	2.6	5.3	5.3	7.9	10.5
147.5°	5.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3	7.9
150°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.9
152.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
155°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0
2.5°	5123.4	5062.8	5094.4	5083.9	5094.4	5120.7	5118.1	5110.2	5115.5	5102.3	5089.1
5°	5112.8	5052.3	5083.9	5070.7	5083.9	5110.2	5104.9	5097.0	5104.9	5089.1	5076.0
7.5°	5099.7	5044.4	5081.2	5078.6	5102.3	5136.5	5139.2	5139.2	5157.6	5133.9	5123.4
10°	5099.7	5070.7	5120.7	5139.2	5199.7	5244.5	5249.7	5260.3	5291.9	5286.6	5260.3
12.5°	5155.0	5149.7	5223.4	5268.2	5323.5	5386.6	5420.9	5431.4	5452.5	5436.7	5426.1
15°	5226.0	5252.4	5334.0	5384.0	5444.6	5492.0	5499.8	5505.1	5520.9	5497.2	5478.8
17.5°	5320.8	5336.6	5402.4	5423.5	5463.0	5470.9	5460.4	5434.0	5434.0	5381.4	5365.6
20°	5365.6	5357.7	5384.0	5349.8	5334.0	5286.6	5241.8	5191.8	5189.2	5133.9	5128.6
22.5°	5326.1	5273.4	5218.1	5133.9	5097.0	5028.6	4968.0	4939.1	4920.6	4849.6	4831.1
25°	5186.6	5057.5	4975.9	4875.9	4786.4	4707.4	4649.5	4588.9	4531.0	4473.1	4446.7
27.5°	4944.3	4823.2	4691.6	4552.1	4428.3	4307.2	4209.8	4149.2	4094.0	4017.6	3978.1
30°	4646.8	4478.3	4333.5	4199.3	3996.5	3849.1	3767.5	3646.4	3604.3	3570.0	3496.3
32.5°	4296.7	4094.0	3896.5	3714.8	3506.8	3369.9	3262.0	3172.5	3146.2	3056.6	3035.6
35°	3909.7	3643.7	3420.0	3240.9	3090.9	2925.0	2835.5	2774.9	2722.3	2661.7	2651.2
37.5°	3454.2	3214.6	2961.9	2803.9	2685.4	2543.3	2474.8	2432.7	2409.0	2364.2	2356.3
40°	2996.1	2756.5	2582.7	2424.8	2351.1	2274.7	2224.7	2206.3	2195.7	2179.9	2164.1
42.5°	2580.1	2369.5	2245.7	2140.4	2108.8	2072.0	2058.8	2069.4	2058.8	2053.6	2050.9
45°	2227.3	2066.7	1979.8	1948.2	1940.3	1929.8	1940.3	1958.8	1961.4	1956.1	1956.1
47.5°	1906.1	1829.8	1792.9	1798.2	1811.3	1819.2	1837.7	1861.4	1866.6	1853.5	1858.7
50°	1695.5	1650.7	1642.8	1663.9	1692.9	1703.4	1724.5	1742.9	1740.3	1735.0	1729.7
52.5°	1498.0	1484.9	1505.9	1527.0	1558.6	1563.9	1571.8	1579.7	1577.0	1566.5	1561.2
55°	1332.2	1342.7	1361.1	1369.0	1392.7	1390.1	1392.7	1392.7	1382.2	1376.9	1369.0
57.5°	1182.1	1184.7	1195.3	1197.9	1211.1	1205.8	1203.2	1197.9	1182.1	1179.5	1171.6
60°	1029.4	1024.1	1047.8	1029.4	1039.9	1029.4	1026.8	1013.6	997.8	995.2	989.9
62.5°	884.6	874.1	889.9	882.0	887.2	876.7	871.4	855.6	842.5	839.9	837.2
65°	755.6	750.3	766.1	763.5	768.8	755.6	750.3	739.8	729.3	726.6	724.0
67.5°	647.7	660.8	668.7	668.7	674.0	671.4	658.2	655.6	652.9	642.4	642.4
70°	568.7	576.6	592.4	595.0	592.4	597.6	587.1	584.5	581.8	576.6	573.9
72.5°	505.5	516.0	531.8	534.5	531.8	531.8	526.6	523.9	523.9	516.0	516.0
75°	455.5	468.6	481.8	481.8	481.8	476.5	471.3	471.3	466.0	463.4	458.1
77.5°	413.3	429.1	439.7	437.0	434.4	429.1	429.1	421.2	413.3	413.3	408.1
80°	381.8	392.3	400.2	397.5	394.9	387.0	384.4	376.5	371.2	363.3	363.3
82.5°	347.5	360.7	366.0	363.3	358.1	350.2	347.5	342.3	337.0	334.4	329.1
85°	318.6	331.7	334.4	329.1	323.8	318.6	315.9	313.3	310.7	305.4	305.4
87.5°	289.6	302.8	302.8	300.1	294.9	292.2	289.6	287.0	284.3	281.7	279.1
90°	265.9	276.4	276.4	273.8	271.2	268.5	265.9	263.3	260.6	258.0	258.0
92.5°	242.2	252.7	252.7	250.1	247.5	244.8	244.8	242.2	239.6	236.9	234.3
95°	221.2	231.7	231.7	231.7	229.1	226.4	226.4	223.8	221.2	221.2	218.5
97.5°	200.1	210.6	210.6	210.6	208.0	205.4	205.4	202.7	202.7	202.7	200.1
100°	181.7	189.6	192.2	192.2	189.6	189.6	189.6	186.9	186.9	186.9	184.3
102.5°	163.2	171.1	176.4	176.4	176.4	173.8	173.8	173.8	173.8	173.8	171.1
105°	147.4	155.3	160.6	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
107.5°	134.3	142.2	147.4	150.1	152.7	152.7	155.3	155.3	155.3	155.3	155.3
110°	121.1	129.0	136.9	139.5	142.2	144.8	144.8	147.4	144.8	144.8	144.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	107.9	118.5	123.7	129.0	131.6	134.3	136.9	136.9	136.9	136.9	136.9
115°	97.4	107.9	113.2	118.5	123.7	126.4	126.4	129.0	129.0	129.0	126.4
117.5°	86.9	97.4	102.7	107.9	110.6	115.8	118.5	118.5	118.5	118.5	115.8
120°	79.0	86.9	92.1	97.4	102.7	105.3	107.9	107.9	107.9	107.9	107.9
122.5°	68.5	76.4	84.2	89.5	92.1	94.8	97.4	97.4	97.4	97.4	97.4
125°	60.6	68.5	73.7	79.0	81.6	86.9	86.9	86.9	86.9	86.9	86.9
127.5°	52.7	60.6	65.8	71.1	73.7	76.4	79.0	79.0	79.0	79.0	79.0
130°	44.8	52.7	57.9	63.2	65.8	68.5	68.5	71.1	71.1	71.1	71.1
132.5°	39.5	44.8	50.0	55.3	57.9	60.6	60.6	63.2	63.2	63.2	63.2
135°	31.6	39.5	42.1	47.4	50.0	52.7	52.7	55.3	55.3	55.3	55.3
137.5°	26.3	31.6	36.9	42.1	44.8	44.8	47.4	47.4	50.0	50.0	50.0
140°	21.1	23.7	31.6	34.2	36.9	39.5	42.1	42.1	42.1	42.1	42.1
142.5°	15.8	21.1	23.7	29.0	31.6	34.2	36.9	36.9	36.9	36.9	36.9
145°	13.2	15.8	18.4	23.7	26.3	29.0	31.6	31.6	31.6	31.6	31.6
147.5°	10.5	13.2	15.8	18.4	21.1	23.7	26.3	26.3	26.3	26.3	26.3
150°	7.9	10.5	13.2	13.2	15.8	18.4	21.1	23.7	23.7	23.7	23.7
152.5°	7.9	7.9	10.5	10.5	13.2	15.8	18.4	18.4	18.4	18.4	18.4
155°	5.3	7.9	7.9	7.9	10.5	10.5	13.2	15.8	15.8	15.8	15.8
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0
2.5°	5097.0	5107.6	5102.3	5094.4	5091.8	5104.9	5091.8	5031.2	5054.9	5057.5	5076.0
5°	5089.1	5097.0	5091.8	5086.5	5078.6	5094.4	5078.6	5015.4	5039.1	5041.7	5060.2
7.5°	5141.8	5144.4	5144.4	5131.3	5110.2	5118.1	5097.0	5026.0	5039.1	5039.1	5052.3
10°	5273.4	5278.7	5286.6	5252.4	5226.0	5205.0	5176.0	5089.1	5086.5	5065.4	5065.4
12.5°	5444.6	5431.4	5418.2	5402.4	5381.4	5355.0	5312.9	5210.2	5176.0	5141.8	5107.6
15°	5494.6	5489.3	5486.7	5478.8	5465.6	5457.7	5426.1	5323.5	5273.4	5231.3	5170.8
17.5°	5362.9	5373.5	5407.7	5410.3	5426.1	5457.7	5452.5	5381.4	5336.6	5318.2	5244.5
20°	5126.0	5128.6	5170.8	5189.2	5257.6	5310.3	5349.8	5341.9	5331.4	5352.4	5297.1
22.5°	4841.7	4860.1	4904.8	4933.8	4999.6	5060.2	5123.4	5157.6	5212.9	5299.8	5289.2
25°	4454.6	4478.3	4541.5	4588.9	4681.1	4773.2	4857.5	4918.0	4983.8	5149.7	5205.0
27.5°	3991.3	4028.1	4109.7	4157.1	4286.1	4380.9	4502.0	4620.5	4712.7	4902.2	5015.4
30°	3504.2	3535.8	3622.7	3688.5	3799.1	3928.1	4080.8	4249.3	4402.0	4594.2	4736.3
32.5°	3048.7	3083.0	3154.1	3212.0	3335.7	3443.7	3612.2	3820.1	3962.3	4228.2	4417.8
35°	2651.2	2682.8	2732.8	2782.8	2885.5	2996.1	3140.9	3343.6	3525.3	3801.7	4041.3
37.5°	2372.1	2377.4	2406.3	2435.3	2511.7	2595.9	2709.1	2888.1	3056.6	3354.1	3617.4
40°	2172.0	2172.0	2187.8	2195.7	2230.0	2280.0	2351.1	2490.6	2630.1	2856.6	3177.7
42.5°	2048.3	2043.0	2043.0	2045.7	2043.0	2066.7	2108.8	2174.7	2298.4	2485.3	2735.4
45°	1956.1	1945.6	1937.7	1919.3	1908.8	1908.8	1911.4	1935.1	2006.2	2127.3	2330.0
47.5°	1853.5	1850.8	1837.7	1816.6	1798.2	1785.0	1764.0	1756.1	1777.1	1845.6	1982.5
50°	1735.0	1721.8	1708.7	1692.9	1671.8	1658.6	1619.2	1621.8	1603.4	1634.9	1706.0
52.5°	1561.2	1550.7	1545.4	1532.3	1524.4	1519.1	1487.5	1455.9	1448.0	1453.3	1479.6
55°	1369.0	1374.3	1353.2	1363.8	1361.1	1337.4	1324.3	1300.6	1292.7	1290.1	1303.2
57.5°	1168.9	1174.2	1161.1	1171.6	1171.6	1158.4	1150.5	1150.5	1132.1	1116.3	1134.7
60°	987.3	976.8	984.7	997.8	997.8	989.9	984.7	984.7	971.5	966.2	979.4
62.5°	839.9	829.3	837.2	850.4	853.0	847.8	842.5	842.5	826.7	826.7	837.2
65°	726.6	729.3	726.6	737.2	737.2	739.8	734.5	729.3	710.8	718.7	716.1
67.5°	645.0	642.4	642.4	652.9	650.3	655.6	650.3	642.4	629.2	618.7	616.1
70°	576.6	573.9	573.9	579.2	581.8	581.8	579.2	573.9	555.5	545.0	537.1
72.5°	516.0	513.4	516.0	518.7	521.3	523.9	521.3	516.0	500.2	487.1	473.9
75°	460.7	458.1	466.0	466.0	468.6	468.6	471.3	468.6	455.5	439.7	423.9
77.5°	405.4	408.1	416.0	418.6	423.9	426.5	429.1	429.1	416.0	402.8	381.8
80°	360.7	366.0	371.2	373.9	379.1	387.0	389.6	392.3	381.8	368.6	344.9
82.5°	329.1	331.7	337.0	339.6	347.5	350.2	352.8	358.1	352.8	339.6	313.3
85°	302.8	305.4	310.7	310.7	315.9	321.2	323.8	326.5	323.8	310.7	284.3
87.5°	279.1	281.7	284.3	287.0	289.6	292.2	294.9	297.5	294.9	281.7	258.0
90°	258.0	258.0	260.6	260.6	263.3	265.9	271.2	271.2	268.5	258.0	234.3
92.5°	234.3	236.9	236.9	239.6	242.2	244.8	247.5	247.5	244.8	234.3	213.3
95°	218.5	218.5	221.2	221.2	223.8	223.8	226.4	226.4	223.8	213.3	192.2
97.5°	200.1	200.1	200.1	200.1	202.7	202.7	205.4	205.4	202.7	192.2	173.8
100°	184.3	184.3	184.3	184.3	184.3	186.9	186.9	186.9	184.3	173.8	155.3
102.5°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	165.9	158.0	139.5
105°	163.2	163.2	163.2	160.6	160.6	160.6	158.0	158.0	150.1	142.2	126.4
107.5°	152.7	152.7	152.7	150.1	150.1	147.4	144.8	144.8	136.9	129.0	113.2
110°	144.8	144.8	144.8	142.2	139.5	136.9	134.3	131.6	123.7	113.2	100.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	136.9	136.9	134.3	134.3	131.6	129.0	123.7	121.1	113.2	102.7	89.5
115°	126.4	126.4	126.4	123.7	121.1	118.5	115.8	110.6	102.7	92.1	79.0
117.5°	115.8	115.8	115.8	113.2	110.6	107.9	105.3	100.0	92.1	81.6	71.1
120°	105.3	105.3	105.3	102.7	100.0	97.4	94.8	89.5	81.6	73.7	60.6
122.5°	97.4	97.4	94.8	92.1	89.5	86.9	84.2	79.0	73.7	63.2	52.7
125°	86.9	86.9	84.2	84.2	81.6	79.0	76.4	71.1	63.2	55.3	47.4
127.5°	79.0	76.4	76.4	76.4	73.7	71.1	65.8	63.2	55.3	47.4	39.5
130°	68.5	68.5	68.5	65.8	65.8	63.2	57.9	52.7	47.4	42.1	34.2
132.5°	60.6	60.6	60.6	60.6	57.9	55.3	50.0	47.4	42.1	34.2	29.0
135°	55.3	55.3	52.7	52.7	50.0	47.4	44.8	39.5	34.2	29.0	23.7
137.5°	47.4	47.4	47.4	44.8	44.8	42.1	36.9	34.2	31.6	26.3	21.1
140°	42.1	42.1	39.5	39.5	36.9	36.9	34.2	29.0	26.3	21.1	18.4
142.5°	36.9	36.9	34.2	34.2	31.6	31.6	29.0	26.3	21.1	18.4	13.2
145°	31.6	31.6	29.0	29.0	29.0	26.3	23.7	21.1	18.4	15.8	13.2
147.5°	26.3	26.3	26.3	23.7	23.7	21.1	21.1	18.4	15.8	13.2	10.5
150°	23.7	23.7	21.1	21.1	21.1	18.4	15.8	15.8	13.2	10.5	7.9
152.5°	18.4	18.4	18.4	18.4	15.8	15.8	13.2	13.2	10.5	7.9	7.9
155°	15.8	15.8	15.8	13.2	13.2	13.2	10.5	10.5	7.9	7.9	5.3
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0	5097.0
2.5°	5068.1	5065.4	5089.1	5086.5	5054.9	5102.3	5133.9
5°	5054.9	5052.3	5073.3	5078.6	5044.4	5094.4	5128.6
7.5°	5044.4	5041.7	5065.4	5073.3	5039.1	5083.9	5120.7
10°	5047.0	5033.8	5054.9	5060.2	5028.6	5076.0	5107.6
12.5°	5065.4	5033.8	5041.7	5041.7	5012.8	5054.9	5089.1
15°	5110.2	5044.4	5033.8	5026.0	4989.1	5028.6	5062.8
17.5°	5160.2	5070.7	5033.8	5007.5	4962.8	4997.0	5033.8
20°	5210.2	5099.7	5039.1	4997.0	4936.4	4968.0	4994.4
22.5°	5233.9	5126.0	5044.4	4981.2	4904.8	4920.6	4949.6
25°	5202.3	5115.5	5033.8	4957.5	4865.4	4868.0	4891.7
27.5°	5086.5	5062.8	5010.2	4933.8	4833.8	4820.6	4839.0
30°	4889.0	4954.9	4957.5	4902.2	4796.9	4770.6	4778.5
32.5°	4612.6	4760.0	4846.9	4836.4	4744.2	4707.4	4712.7
35°	4294.0	4478.3	4667.9	4731.1	4665.3	4636.3	4625.8
37.5°	3912.3	4159.8	4412.5	4567.9	4557.3	4538.9	4528.4
40°	3491.0	3788.6	4088.7	4336.2	4412.5	4412.5	4417.8
42.5°	3040.8	3388.4	3717.5	4030.8	4209.8	4249.3	4265.1
45°	2606.4	2956.6	3314.7	3675.3	3914.9	4038.7	4083.4
47.5°	2211.5	2564.3	2903.9	3298.9	3617.4	3778.0	3849.1
50°	1874.5	2137.8	2495.9	2888.1	3235.7	3433.1	3572.7
52.5°	1595.5	1800.8	2114.1	2480.1	2830.2	3101.4	3230.4
55°	1361.1	1500.7	1766.6	2082.5	2416.9	2698.6	2848.7
57.5°	1163.7	1274.3	1455.9	1719.2	2000.9	2280.0	2440.6
60°	989.9	1066.3	1190.0	1398.0	1637.6	1877.2	2032.5
62.5°	839.9	889.9	971.5	1124.2	1311.1	1498.0	1642.8
65°	724.0	745.1	789.8	884.6	1026.8	1168.9	1292.7
67.5°	610.8	624.0	658.2	716.1	787.2	889.9	971.5
70°	526.6	526.6	529.2	563.4	600.3	666.1	724.0
72.5°	458.1	450.2	434.4	442.3	450.2	487.1	523.9
75°	402.8	384.4	358.1	347.5	342.3	347.5	368.6
77.5°	355.4	329.1	297.5	271.2	250.1	242.2	260.6
80°	315.9	284.3	247.5	213.3	179.0	160.6	168.5
82.5°	284.3	244.8	205.4	165.9	126.4	100.0	100.0
85°	250.1	213.3	171.1	129.0	89.5	55.3	50.0
87.5°	226.4	186.9	142.2	102.7	63.2	29.0	15.8
90°	202.7	163.2	121.1	81.6	44.8	13.2	0.0
92.5°	181.7	144.8	105.3	65.8	31.6	7.9	0.0
95°	163.2	129.0	89.5	55.3	26.3	5.3	2.6
97.5°	144.8	113.2	79.0	44.8	18.4	5.3	2.6
100°	131.6	100.0	68.5	36.9	15.8	2.6	2.6
102.5°	115.8	89.5	57.9	31.6	13.2	2.6	2.6
105°	102.7	79.0	50.0	26.3	10.5	2.6	2.6
107.5°	92.1	68.5	44.8	23.7	10.5	2.6	2.6
110°	81.6	60.6	39.5	21.1	7.9	2.6	2.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	73.7	52.7	34.2	18.4	5.3	2.6	2.6
115°	63.2	47.4	29.0	15.8	5.3	2.6	2.6
117.5°	55.3	39.5	26.3	13.2	5.3	2.6	2.6
120°	47.4	34.2	21.1	10.5	2.6	2.6	2.6
122.5°	42.1	29.0	18.4	10.5	2.6	2.6	2.6
125°	36.9	26.3	15.8	7.9	2.6	2.6	2.6
127.5°	31.6	21.1	13.2	5.3	2.6	2.6	2.6
130°	26.3	18.4	10.5	5.3	2.6	2.6	2.6
132.5°	21.1	15.8	10.5	5.3	2.6	2.6	2.6
135°	18.4	13.2	7.9	5.3	2.6	2.6	2.6
137.5°	15.8	10.5	5.3	5.3	5.3	2.6	2.6
140°	13.2	7.9	5.3	5.3	5.3	5.3	2.6
142.5°	10.5	7.9	5.3	5.3	5.3	5.3	2.6
145°	7.9	5.3	5.3	5.3	5.3	5.3	2.6
147.5°	7.9	5.3	5.3	5.3	5.3	5.3	2.6
150°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
152.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
155°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
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)