

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-LD5-74SL-LW-UNV-L930-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 (P33520)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-74SL-LW-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WIDE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

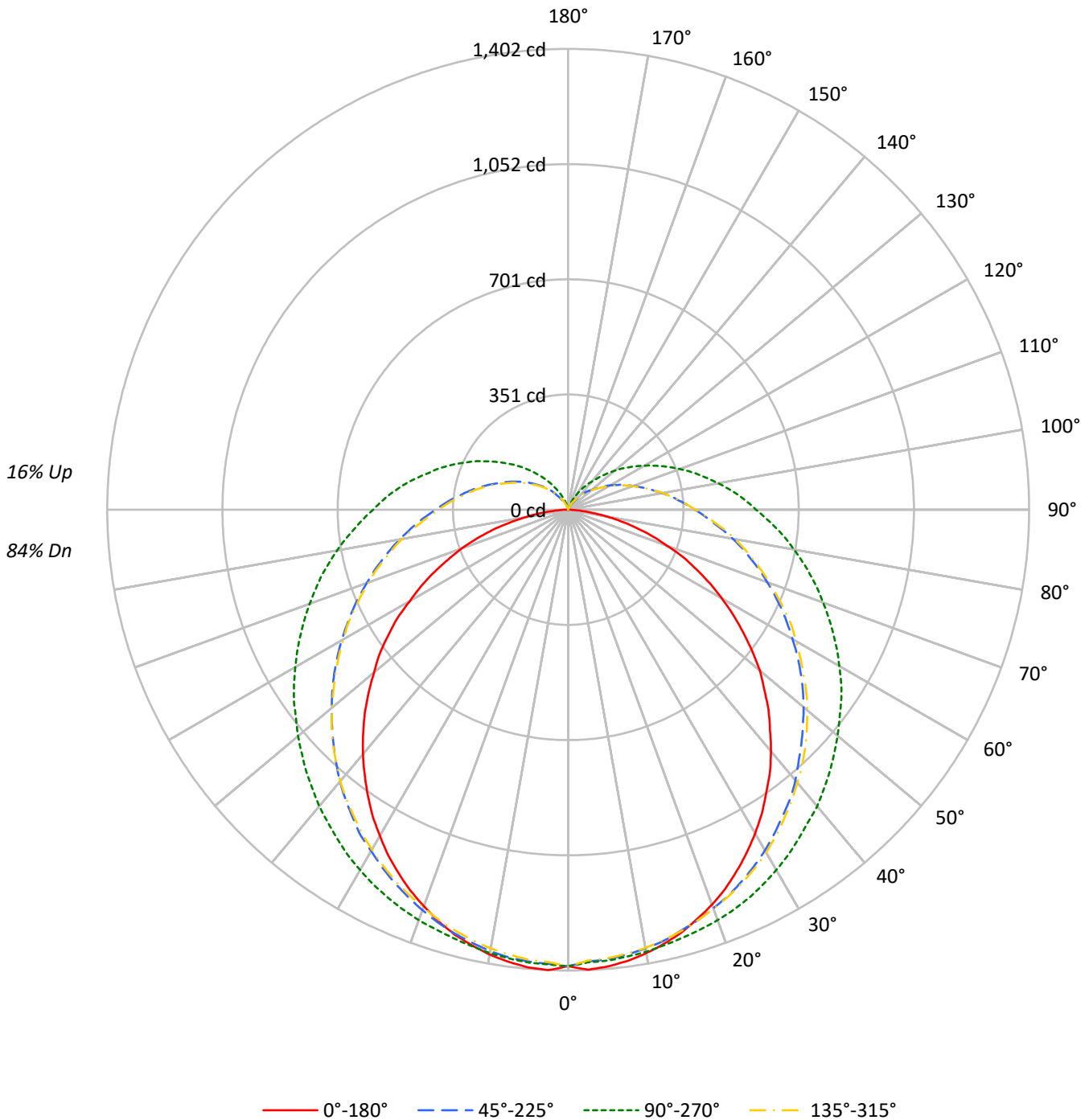
Lumens per Lamp: N/A  
Luminaire Lumens: 6034.0 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 61  
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#  
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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	50	30	10	50	30	10	0																			
RCR																																														
0	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84																												
1	102	96	91	86	98	92	87	83	85	81	77	78	75	72	72	70	67	64																												
2	92	82	74	68	87	79	72	66	73	67	62	67	62	58	62	58	54	51																												
3	83	71	62	55	79	69	60	54	63	56	51	58	52	48	54	49	45	42																												
4	76	63	53	46	72	60	52	45	56	48	42	51	45	40	47	42	38	35																												
5	69	56	46	39	66	54	45	38	50	42	36	46	39	34	42	37	33	30																												
6	64	50	41	34	61	48	39	33	45	37	31	41	35	30	38	33	28	26																												
7	59	45	36	30	56	43	35	29	40	33	28	38	31	26	35	29	25	23																												
8	55	41	32	26	52	40	31	26	37	30	24	34	28	23	32	26	22	20																												
9	51	37	29	23	49	36	28	23	34	27	22	32	25	21	30	24	20	18																												
10	48	34	26	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16																												

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

	0°	90°	180°	270°
0°	5611	5611	5611	5611
5°	5649	5408	5661	5431
10°	5605	5254	5623	5271
15°	5547	5123	5572	5128
20°	5468	5027	5487	5027
25°	5369	4941	5401	4936
30°	5257	4854	5298	4854
35°	5125	4772	5182	4778
40°	4996	4725	5057	4725
45°	4846	4674	4921	4681
50°	4692	4645	4755	4657
55°	4472	4649	4613	4669
60°	4242	4663	4380	4692
65°	3984	4710	4161	4757
70°	3618	4797	3900	4865
75°	3198	4953	3500	5049
80°	2537	5186	2881	5306
85°	1613	5559	2018	5712



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.6	2.2
10°-20°	378.1	6.3
20°-30°	579.7	9.6
30°-40°	715.2	11.9
40°-50°	775.9	12.9
50°-60°	764.8	12.7
60°-70°	691.5	11.5
70°-80°	576.1	9.5
80°-90°	446.2	7.4
90°-100°	338.4	5.6
100°-110°	250.4	4.1
110°-120°	174.2	2.9
120°-130°	111.1	1.8
130°-140°	62.4	1.0
140°-150°	28.5	0.5
150°-160°	8.8	0.1
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	1089.4	18.1
0°-40°	1804.6	29.9
0°-60°	3345.4	55.4
0°-90°	5059.1	83.8
90°-120°	763.0	12.6
90°-150°	965.0	16.0
90°-180°	975.0	16.2
0°-180°	6034.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1389	1389	1389	1389	1389	
5°	1395	1377	1398	1383	1395	132
15°	1332	1348	1338	1349	1332	375
25°	1213	1302	1220	1301	1213	559
35°	1050	1222	1062	1223	1050	658
45°	861	1125	875	1127	861	664
55°	649	1014	670	1018	649	581
65°	431	889	450	898	431	427
75°	217	762	237	776	217	230
85°	41	634	51	652	41	50
90°	2	571	3	593	2	2
95°	2	519	2	544	2	1
105°	2	412	2	437	2	2
115°	2	314	2	341	2	1
125°	2	226	2	250	2	1
135°	2	146	2	173	2	1
145°	2	85	2	104	2	1
155°	2	35	2	48	2	1
165°	2	6	2	9	2	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8
2.5°	1400.6	1400.6	1399.1	1396.2	1397.6	1402.0	1399.1	1391.8	1387.4	1375.7	1378.6
5°	1394.7	1394.7	1393.2	1390.3	1391.8	1397.6	1394.7	1388.8	1383.0	1372.7	1377.1
7.5°	1384.5	1384.5	1383.0	1380.1	1383.0	1388.8	1385.9	1380.1	1375.7	1365.4	1369.8
10°	1369.8	1371.3	1369.8	1365.4	1371.3	1377.1	1375.7	1368.3	1363.9	1355.2	1359.5
12.5°	1352.2	1353.7	1352.2	1350.8	1353.7	1362.5	1359.5	1353.7	1350.8	1343.4	1347.8
15°	1331.7	1333.2	1330.2	1330.2	1333.2	1342.0	1342.0	1336.1	1333.2	1325.9	1334.6
17.5°	1305.3	1306.8	1305.3	1305.3	1308.3	1317.1	1318.5	1315.6	1312.7	1309.7	1318.5
20°	1279.0	1277.5	1277.5	1276.0	1281.9	1295.1	1293.6	1293.6	1290.7	1290.7	1300.9
22.5°	1248.2	1248.2	1246.7	1246.7	1254.1	1265.8	1265.8	1268.7	1265.8	1271.6	1280.4
25°	1213.0	1214.5	1213.0	1216.0	1221.8	1235.0	1236.5	1240.9	1242.3	1248.2	1258.5
27.5°	1176.4	1177.9	1176.4	1179.4	1189.6	1199.9	1207.2	1213.0	1214.5	1223.3	1236.5
30°	1136.9	1136.9	1138.3	1141.3	1153.0	1169.1	1175.0	1182.3	1182.3	1196.9	1210.1
32.5°	1095.8	1095.8	1095.8	1101.7	1114.9	1133.9	1141.3	1150.0	1153.0	1167.6	1182.3
35°	1050.4	1051.9	1051.9	1056.3	1073.9	1092.9	1103.2	1113.4	1119.3	1136.9	1151.5
37.5°	1007.9	1010.9	1006.5	1012.3	1037.2	1053.4	1065.1	1075.3	1085.6	1109.0	1120.7
40°	959.6	962.5	961.1	972.8	993.3	1013.8	1027.0	1037.2	1051.9	1075.3	1088.5
42.5°	908.3	911.2	914.2	927.4	949.3	969.9	986.0	999.2	1016.7	1037.2	1059.2
45°	861.4	861.4	865.8	881.9	905.4	927.4	946.4	961.1	981.6	1003.5	1025.5
47.5°	808.7	810.2	816.0	835.1	860.0	886.3	903.9	923.0	944.9	968.4	993.3
50°	760.4	760.4	769.1	789.7	813.1	842.4	861.4	883.4	906.9	934.7	959.6
52.5°	704.7	707.6	720.8	739.8	770.6	797.0	819.0	842.4	870.2	899.5	927.4
55°	649.0	654.9	665.1	691.5	723.7	748.6	775.0	804.3	830.7	862.9	895.1
57.5°	594.8	599.2	615.3	641.7	675.4	706.1	734.0	761.8	794.0	826.3	860.0
60°	539.1	545.0	564.0	590.4	627.0	659.3	691.5	720.8	754.5	788.2	823.3
62.5°	486.4	490.8	512.8	543.5	580.2	615.3	647.5	682.7	719.3	751.6	786.7
65°	430.7	438.0	462.9	490.8	533.3	568.4	605.1	643.1	681.2	716.4	750.1
67.5°	379.4	383.8	410.2	442.4	484.9	524.5	562.6	603.6	643.1	679.8	713.5
70°	319.4	334.0	360.4	394.1	439.5	480.5	521.6	564.0	606.5	644.6	676.8
72.5°	269.6	281.3	310.6	347.2	391.2	439.5	482.0	527.4	569.9	609.5	643.1
75°	216.8	228.5	262.2	303.3	348.7	400.0	443.9	490.8	534.7	574.3	609.5
77.5°	165.5	180.2	216.8	259.3	309.1	361.9	407.3	454.2	499.6	542.1	577.2
80°	118.7	134.8	174.3	222.7	271.0	323.8	373.6	420.5	465.9	508.4	545.0
82.5°	76.2	93.8	136.2	184.6	235.9	288.6	339.9	386.8	432.2	474.7	512.8
85°	41.0	60.1	104.0	152.4	203.6	256.4	307.7	357.5	401.4	441.0	482.0
87.5°	11.7	35.2	77.6	126.0	178.7	227.1	276.9	326.7	370.7	413.1	449.8
90°	1.5	20.5	58.6	104.0	155.3	202.2	252.0	298.9	342.8	385.3	421.9
92.5°	1.5	13.2	45.4	86.4	133.3	181.7	231.5	276.9	317.9	360.4	397.0
95°	1.5	10.3	36.6	73.3	117.2	162.6	209.5	253.5	295.9	335.5	372.1
97.5°	1.5	7.3	29.3	63.0	102.6	145.0	190.5	234.4	275.4	313.5	347.2
100°	1.5	5.9	23.4	54.2	89.4	130.4	171.4	213.9	253.5	290.1	325.2
102.5°	1.5	4.4	20.5	45.4	79.1	115.7	155.3	194.8	232.9	268.1	303.3
105°	1.5	4.4	17.6	39.6	70.3	104.0	140.6	178.7	213.9	247.6	279.8
107.5°	1.5	2.9	14.7	33.7	61.5	93.8	127.5	164.1	196.3	228.5	259.3
110°	1.5	2.9	11.7	30.8	54.2	83.5	115.7	149.4	180.2	211.0	240.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.5	2.9	10.3	26.4	46.9	74.7	104.0	134.8	164.1	194.8	221.2
115°	1.5	2.9	8.8	23.4	44.0	64.5	93.8	121.6	150.9	178.7	203.6
117.5°	1.5	2.9	7.3	19.0	38.1	58.6	82.0	109.9	136.2	162.6	186.1
120°	1.5	2.9	5.9	17.6	33.7	52.7	73.3	98.2	123.1	148.0	172.9
122.5°	1.5	1.5	5.9	14.7	29.3	46.9	67.4	86.4	109.9	133.3	155.3
125°	1.5	1.5	5.9	13.2	24.9	42.5	60.1	77.6	98.2	118.7	137.7
127.5°	1.5	1.5	4.4	10.3	22.0	36.6	52.7	71.8	86.4	105.5	124.5
130°	1.5	1.5	4.4	8.8	19.0	30.8	46.9	63.0	80.6	93.8	109.9
132.5°	1.5	1.5	4.4	7.3	14.7	24.9	39.6	54.2	70.3	85.0	98.2
135°	1.5	1.5	2.9	5.9	11.7	20.5	32.2	45.4	61.5	76.2	89.4
137.5°	1.5	1.5	2.9	5.9	8.8	17.6	24.9	36.6	51.3	64.5	77.6
140°	1.5	1.5	2.9	4.4	7.3	13.2	20.5	29.3	41.0	52.7	67.4
142.5°	1.5	1.5	1.5	4.4	5.9	10.3	16.1	23.4	32.2	42.5	54.2
145°	1.5	1.5	1.5	4.4	5.9	7.3	13.2	19.0	24.9	32.2	42.5
147.5°	1.5	1.5	1.5	2.9	4.4	5.9	10.3	14.7	19.0	24.9	30.8
150°	1.5	1.5	1.5	2.9	4.4	5.9	7.3	10.3	14.7	20.5	24.9
152.5°	1.5	1.5	1.5	2.9	2.9	4.4	5.9	7.3	10.3	14.7	17.6
155°	1.5	1.5	1.5	1.5	2.9	4.4	5.9	5.9	7.3	10.3	13.2
157.5°	1.5	1.5	1.5	1.5	2.9	2.9	4.4	4.4	5.9	5.9	8.8
160°	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4	4.4	4.4	4.4
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9	4.4	4.4
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9
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#

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8
2.5°	1378.6	1380.1	1384.5	1384.5	1381.5	1381.5	1380.1	1378.6	1380.1	1383.0	1383.0
5°	1375.7	1377.1	1381.5	1383.0	1380.1	1378.6	1378.6	1377.1	1378.6	1381.5	1381.5
7.5°	1369.8	1371.3	1375.7	1377.1	1374.2	1374.2	1372.7	1371.3	1374.2	1375.7	1375.7
10°	1361.0	1362.5	1368.3	1369.8	1368.3	1366.9	1366.9	1365.4	1366.9	1369.8	1369.8
12.5°	1349.3	1352.2	1359.5	1359.5	1359.5	1358.1	1358.1	1356.6	1358.1	1361.0	1359.5
15°	1336.1	1342.0	1347.8	1350.8	1350.8	1350.8	1349.3	1347.8	1350.8	1352.2	1350.8
17.5°	1321.5	1328.8	1337.6	1340.5	1340.5	1342.0	1340.5	1339.0	1342.0	1342.0	1340.5
20°	1306.8	1314.1	1322.9	1325.9	1328.8	1330.2	1330.2	1328.8	1330.2	1331.7	1330.2
22.5°	1287.8	1296.6	1306.8	1311.2	1314.1	1317.1	1317.1	1317.1	1318.5	1320.0	1317.1
25°	1267.3	1277.5	1289.2	1293.6	1299.5	1300.9	1302.4	1302.4	1303.9	1305.3	1300.9
27.5°	1245.3	1257.0	1268.7	1276.0	1280.4	1283.4	1283.4	1284.8	1286.3	1287.8	1283.4
30°	1218.9	1236.5	1246.7	1252.6	1258.5	1262.9	1264.3	1265.8	1267.3	1268.7	1264.3
32.5°	1195.5	1210.1	1223.3	1230.6	1238.0	1243.8	1245.3	1245.3	1248.2	1248.2	1243.8
35°	1167.6	1185.2	1198.4	1205.7	1214.5	1218.9	1221.8	1221.8	1224.8	1224.8	1220.4
37.5°	1139.8	1157.4	1172.0	1180.8	1191.1	1196.9	1198.4	1198.4	1201.3	1201.3	1195.5
40°	1110.5	1129.5	1145.7	1155.9	1164.7	1172.0	1173.5	1177.9	1177.9	1176.4	1170.6
42.5°	1081.2	1098.8	1116.4	1128.1	1139.8	1147.1	1150.0	1151.5	1151.5	1150.0	1145.7
45°	1049.0	1069.5	1085.6	1100.2	1112.0	1119.3	1123.7	1125.1	1125.1	1122.2	1117.8
47.5°	1018.2	1038.7	1054.8	1070.9	1082.7	1091.4	1095.8	1097.3	1095.8	1094.4	1090.0
50°	986.0	1009.4	1025.5	1041.6	1053.4	1060.7	1068.0	1069.5	1068.0	1066.5	1057.8
52.5°	952.3	977.2	994.8	1010.9	1024.1	1032.8	1038.7	1040.2	1040.2	1037.2	1031.4
55°	918.6	940.6	962.5	980.1	994.8	1003.5	1010.9	1013.8	1010.9	1007.9	1000.6
57.5°	887.8	908.3	930.3	949.3	964.0	975.7	981.6	984.5	981.6	977.2	969.9
60°	851.2	873.2	898.1	915.6	931.8	943.5	946.4	952.3	949.3	944.9	937.6
62.5°	816.0	842.4	864.4	886.3	899.5	912.7	918.6	921.5	918.6	914.2	906.9
65°	779.4	808.7	830.7	852.6	867.3	880.5	887.8	889.3	886.3	881.9	874.6
67.5°	745.7	773.5	797.0	820.4	833.6	846.8	854.1	857.0	854.1	848.3	840.9
70°	712.0	739.8	767.7	785.3	801.4	816.0	820.4	824.8	821.9	816.0	807.2
72.5°	678.3	707.6	735.4	753.0	770.6	783.8	789.7	794.0	791.1	785.3	775.0
75°	643.1	673.9	701.8	720.8	738.4	751.6	757.4	761.8	758.9	753.0	741.3
77.5°	610.9	641.7	668.1	688.6	706.1	717.9	728.1	729.6	726.7	720.8	709.1
80°	577.2	608.0	635.8	656.3	673.9	685.6	693.0	697.4	694.4	688.6	676.8
82.5°	547.9	575.8	603.6	624.1	641.7	656.3	662.2	666.6	665.1	656.3	647.5
85°	515.7	547.9	569.9	591.9	609.5	624.1	628.5	634.4	632.9	625.6	613.8
87.5°	483.5	515.7	542.1	564.0	580.2	591.9	599.2	602.1	600.7	593.3	580.2
90°	457.1	486.4	512.8	536.2	549.4	562.6	569.9	571.4	571.4	562.6	552.3
92.5°	432.2	460.0	486.4	508.4	524.5	536.2	542.1	545.0	543.5	536.2	524.5
95°	404.3	435.1	460.0	482.0	498.1	509.8	515.7	518.6	517.2	509.8	498.1
97.5°	380.9	408.7	433.6	454.2	470.3	482.0	487.9	490.8	490.8	483.5	471.7
100°	357.5	385.3	408.7	429.3	443.9	455.6	461.5	462.9	461.5	455.6	443.9
102.5°	334.0	360.4	383.8	402.9	419.0	429.3	435.1	436.6	436.6	429.3	417.5
105°	310.6	337.0	358.9	379.4	392.6	402.9	407.3	411.7	410.2	404.3	392.6
107.5°	288.6	315.0	335.5	354.5	367.7	378.0	382.4	386.8	385.3	379.4	367.7
110°	268.1	293.0	312.1	331.1	342.8	353.1	360.4	361.9	358.9	353.1	342.8





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	249.1	271.0	290.1	307.7	320.8	328.2	334.0	337.0	334.0	328.2	320.8
115°	228.5	250.5	269.6	285.7	297.4	306.2	310.6	313.5	310.6	304.7	297.4
117.5°	209.5	230.0	249.1	265.2	275.4	282.8	287.1	290.1	287.1	282.8	275.4
120°	193.4	211.0	228.5	243.2	254.9	260.8	265.2	268.1	266.6	260.8	253.5
122.5°	174.3	193.4	209.5	224.1	234.4	240.3	243.2	246.1	244.7	240.3	232.9
125°	158.2	174.3	190.5	203.6	213.9	219.8	222.7	225.6	224.1	219.8	211.0
127.5°	140.6	158.2	171.4	184.6	191.9	200.7	202.2	205.1	203.6	199.2	191.9
130°	127.5	140.6	153.8	165.5	174.3	180.2	183.1	184.6	181.7	178.7	171.4
132.5°	111.3	126.0	137.7	148.0	153.8	159.7	162.6	164.1	164.1	159.7	153.8
135°	99.6	109.9	120.1	130.4	136.2	142.1	145.0	146.5	145.0	142.1	136.2
137.5°	89.4	98.2	105.5	114.3	121.6	124.5	127.5	127.5	126.0	124.5	120.1
140°	77.6	87.9	95.2	101.1	106.9	108.4	111.3	111.3	109.9	108.4	105.5
142.5°	65.9	74.7	82.0	89.4	93.8	96.7	98.2	99.6	98.2	96.7	92.3
145°	52.7	63.0	70.3	74.7	80.6	82.0	83.5	85.0	83.5	82.0	77.6
147.5°	41.0	49.8	57.1	63.0	67.4	68.9	70.3	71.8	70.3	67.4	65.9
150°	29.3	36.6	45.4	51.3	54.2	57.1	57.1	57.1	58.6	55.7	52.7
152.5°	23.4	26.4	32.2	38.1	42.5	44.0	45.4	45.4	44.0	44.0	41.0
155°	16.1	19.0	23.4	27.8	32.2	33.7	35.2	35.2	33.7	33.7	32.2
157.5°	10.3	13.2	16.1	19.0	23.4	24.9	26.4	26.4	26.4	24.9	23.4
160°	5.9	7.3	8.8	11.7	14.7	16.1	17.6	17.6	17.6	17.6	16.1
162.5°	4.4	4.4	4.4	5.9	7.3	8.8	10.3	10.3	10.3	10.3	8.8
165°	2.9	2.9	2.9	2.9	2.9	4.4	5.9	5.9	5.9	5.9	5.9
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-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8
2.5°	1381.5	1381.5	1383.0	1380.1	1371.3	1372.7	1372.7	1378.6	1381.5	1383.0	1390.3
5°	1378.6	1378.6	1381.5	1377.1	1369.8	1369.8	1369.8	1375.7	1377.1	1380.1	1385.9
7.5°	1374.2	1374.2	1375.7	1371.3	1362.5	1362.5	1361.0	1366.9	1369.8	1371.3	1377.1
10°	1366.9	1366.9	1368.3	1363.9	1353.7	1353.7	1352.2	1356.6	1358.1	1361.0	1365.4
12.5°	1356.6	1356.6	1356.6	1352.2	1342.0	1340.5	1339.0	1343.4	1343.4	1344.9	1349.3
15°	1347.8	1344.9	1344.9	1340.5	1330.2	1327.3	1324.4	1325.9	1328.8	1327.3	1330.2
17.5°	1337.6	1334.6	1331.7	1327.3	1314.1	1309.7	1306.8	1308.3	1306.8	1305.3	1308.3
20°	1325.9	1321.5	1320.0	1312.7	1299.5	1292.2	1286.3	1283.4	1284.8	1280.4	1281.9
22.5°	1312.7	1306.8	1303.9	1295.1	1281.9	1273.1	1265.8	1259.9	1258.5	1252.6	1254.1
25°	1296.6	1289.2	1284.8	1277.5	1262.9	1252.6	1243.8	1235.0	1230.6	1223.3	1221.8
27.5°	1277.5	1270.2	1264.3	1257.0	1242.3	1229.2	1218.9	1207.2	1201.3	1192.5	1188.1
30°	1258.5	1249.7	1240.9	1235.0	1218.9	1204.3	1188.1	1177.9	1169.1	1158.8	1151.5
32.5°	1235.0	1226.2	1217.4	1208.7	1194.0	1176.4	1163.2	1147.1	1136.9	1125.1	1116.4
35°	1211.6	1199.9	1191.1	1179.4	1166.2	1145.7	1129.5	1113.4	1100.2	1087.1	1076.8
37.5°	1185.2	1176.4	1163.2	1153.0	1136.9	1116.4	1098.8	1078.3	1066.5	1049.0	1035.8
40°	1160.3	1150.0	1136.9	1123.7	1107.6	1084.1	1065.1	1041.6	1028.5	1007.9	994.8
42.5°	1135.4	1120.7	1107.6	1092.9	1075.3	1053.4	1029.9	1006.5	988.9	969.9	950.8
45°	1107.6	1091.4	1075.3	1059.2	1041.6	1019.7	994.8	969.9	947.9	930.3	906.9
47.5°	1078.3	1062.1	1043.1	1025.5	1006.5	984.5	958.1	931.8	908.3	887.8	862.9
50°	1049.0	1032.8	1012.3	993.3	971.3	949.3	921.5	890.7	865.8	839.5	817.5
52.5°	1018.2	1002.1	983.0	958.1	934.7	912.7	883.4	851.2	823.3	801.4	773.5
55°	987.4	971.3	949.3	924.4	901.0	873.2	845.3	813.1	782.3	756.0	728.1
57.5°	955.2	940.6	915.6	895.1	865.8	836.5	807.2	776.5	742.8	712.0	679.8
60°	923.0	906.9	883.4	858.5	829.2	799.9	769.1	735.4	700.3	666.6	637.3
62.5°	893.7	873.2	851.2	824.8	794.0	766.2	731.1	694.4	659.3	624.1	588.9
65°	860.0	838.0	817.5	791.1	758.9	726.7	691.5	654.9	616.8	578.7	543.5
67.5°	826.3	804.3	782.3	756.0	722.3	688.6	651.9	615.3	572.8	536.2	495.2
70°	792.6	775.0	747.2	719.3	688.6	651.9	615.3	575.8	531.8	492.3	449.8
72.5°	758.9	741.3	713.5	684.2	654.9	616.8	577.2	537.7	496.6	451.2	405.8
75°	726.7	704.7	679.8	651.9	621.2	581.6	542.1	501.0	452.7	410.2	363.3
77.5°	695.9	675.4	650.5	619.7	586.0	547.9	506.9	464.4	416.1	370.7	319.4
80°	662.2	641.7	616.8	586.0	552.3	515.7	471.7	427.8	380.9	331.1	278.4
82.5°	630.0	610.9	583.1	555.2	518.6	482.0	438.0	394.1	344.3	295.9	244.7
85°	596.3	577.2	550.9	521.6	486.4	446.8	405.8	361.9	312.1	262.2	211.0
87.5°	567.0	545.0	518.6	489.3	454.2	416.1	376.5	329.6	281.3	232.9	180.2
90°	536.2	515.7	489.3	460.0	424.9	386.8	345.7	301.8	254.9	205.1	155.3
92.5°	509.8	487.9	462.9	433.6	398.5	361.9	320.8	276.9	231.5	183.1	134.8
95°	483.5	461.5	438.0	408.7	373.6	337.0	295.9	253.5	209.5	162.6	117.2
97.5°	454.2	435.1	411.7	383.8	348.7	313.5	274.0	232.9	190.5	145.0	102.6
100°	430.7	408.7	386.8	357.5	325.2	291.5	252.0	212.4	171.4	128.9	89.4
102.5°	404.3	383.8	361.9	334.0	301.8	268.1	231.5	193.4	155.3	115.7	77.6
105°	379.4	360.4	337.0	310.6	279.8	247.6	212.4	177.3	140.6	102.6	68.9
107.5°	354.5	335.5	313.5	288.6	259.3	227.1	194.8	159.7	126.0	92.3	61.5
110°	329.6	312.1	291.5	266.6	238.8	209.5	178.7	146.5	112.8	82.0	54.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	307.7	290.1	269.6	246.1	219.8	191.9	162.6	131.9	101.1	73.3	46.9
115°	285.7	269.6	249.1	228.5	202.2	175.8	148.0	118.7	90.8	65.9	41.0
117.5°	263.7	247.6	228.5	208.0	184.6	159.7	133.3	105.5	82.0	58.6	36.6
120°	241.7	227.1	209.5	190.5	169.9	145.0	118.7	95.2	73.3	51.3	32.2
122.5°	221.2	208.0	191.9	174.3	152.4	128.9	106.9	86.4	65.9	45.4	26.4
125°	202.2	189.0	174.3	156.8	136.2	115.7	96.7	77.6	57.1	39.6	22.0
127.5°	183.1	169.9	155.3	139.2	123.1	104.0	86.4	68.9	51.3	35.2	19.0
130°	164.1	152.4	139.2	126.0	109.9	92.3	77.6	60.1	44.0	27.8	16.1
132.5°	145.0	136.2	124.5	111.3	96.7	83.5	67.4	52.7	38.1	24.9	14.7
135°	128.9	120.1	109.9	98.2	86.4	73.3	58.6	45.4	32.2	20.5	11.7
137.5°	114.3	106.9	96.7	86.4	76.2	63.0	51.3	38.1	26.4	17.6	8.8
140°	101.1	93.8	85.0	74.7	65.9	54.2	42.5	30.8	23.4	14.7	7.3
142.5°	87.9	80.6	73.3	64.5	55.7	45.4	35.2	26.4	19.0	11.7	7.3
145°	74.7	68.9	61.5	54.2	45.4	36.6	29.3	22.0	14.7	8.8	5.9
147.5°	61.5	57.1	49.8	44.0	36.6	29.3	23.4	17.6	11.7	7.3	4.4
150°	49.8	45.4	39.6	33.7	29.3	23.4	19.0	13.2	8.8	7.3	4.4
152.5°	38.1	35.2	30.8	27.8	23.4	17.6	13.2	10.3	7.3	5.9	2.9
155°	30.8	27.8	24.9	20.5	17.6	13.2	10.3	7.3	5.9	4.4	2.9
157.5°	22.0	20.5	17.6	14.7	11.7	8.8	7.3	7.3	4.4	2.9	1.5
160°	14.7	13.2	11.7	8.8	7.3	7.3	5.9	4.4	2.9	2.9	1.5
162.5°	8.8	7.3	7.3	7.3	5.9	5.9	4.4	2.9	2.9	1.5	1.5
165°	5.9	5.9	5.9	4.4	4.4	4.4	2.9	1.5	1.5	1.5	1.5
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-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8
2.5°	1390.3	1385.9	1391.8	1402.0	1403.5	1402.0	1399.1	1403.5	1409.4	1407.9	1397.6
5°	1387.4	1381.5	1387.4	1397.6	1397.6	1396.2	1394.7	1399.1	1405.0	1403.5	1394.7
7.5°	1378.6	1372.7	1378.6	1387.4	1388.8	1385.9	1385.9	1390.3	1396.2	1394.7	1387.4
10°	1366.9	1361.0	1363.9	1374.2	1377.1	1374.2	1374.2	1378.6	1385.9	1384.5	1375.7
12.5°	1349.3	1344.9	1347.8	1356.6	1359.5	1358.1	1356.6	1362.5	1369.8	1369.8	1361.0
15°	1330.2	1324.4	1327.3	1337.6	1339.0	1336.1	1337.6	1342.0	1350.8	1350.8	1343.4
17.5°	1308.3	1300.9	1305.3	1312.7	1314.1	1314.1	1314.1	1320.0	1330.2	1328.8	1322.9
20°	1283.4	1273.1	1276.0	1283.4	1286.3	1286.3	1286.3	1296.6	1303.9	1303.9	1298.0
22.5°	1254.1	1246.7	1246.7	1254.1	1258.5	1257.0	1257.0	1265.8	1276.0	1274.6	1274.6
25°	1220.4	1214.5	1211.6	1220.4	1221.8	1223.3	1226.2	1235.0	1246.7	1246.7	1248.2
27.5°	1185.2	1179.4	1177.9	1185.2	1186.7	1188.1	1191.1	1201.3	1213.0	1214.5	1217.4
30°	1151.5	1142.7	1139.8	1145.7	1148.6	1150.0	1150.0	1166.2	1176.4	1180.8	1186.7
32.5°	1112.0	1103.2	1095.8	1106.1	1107.6	1110.5	1112.0	1128.1	1139.8	1147.1	1155.9
35°	1072.4	1057.8	1054.8	1062.1	1065.1	1066.5	1069.5	1087.1	1103.2	1109.0	1120.7
37.5°	1028.5	1018.2	1009.4	1016.7	1019.7	1021.1	1029.9	1046.0	1062.1	1070.9	1082.7
40°	987.4	974.2	966.9	971.3	974.2	975.7	986.0	1003.5	1022.6	1032.8	1047.5
42.5°	942.0	924.4	918.6	923.0	924.4	928.8	937.6	961.1	980.1	994.8	1006.5
45°	896.6	883.4	870.2	874.6	876.1	879.0	892.2	917.1	937.6	955.2	968.4
47.5°	849.7	833.6	820.4	823.3	829.2	830.7	845.3	874.6	893.7	912.7	930.3
50°	802.8	780.9	770.6	770.6	773.5	780.9	799.9	829.2	849.7	871.7	890.7
52.5°	754.5	734.0	722.3	723.7	726.7	735.4	753.0	782.3	805.8	829.2	852.6
55°	706.1	684.2	672.4	669.5	672.4	684.2	704.7	735.4	758.9	786.7	811.6
57.5°	657.8	631.4	621.2	616.8	619.7	634.4	654.9	687.1	716.4	742.8	772.1
60°	605.1	584.5	567.0	556.7	564.0	583.1	605.1	638.8	669.5	698.8	731.1
62.5°	559.6	533.3	514.2	504.0	511.3	527.4	558.2	590.4	624.1	657.8	690.0
65°	508.4	482.0	460.0	449.8	457.1	476.1	506.9	542.1	578.7	612.4	650.5
67.5°	458.6	430.7	404.3	394.1	402.9	423.4	457.1	496.6	536.2	571.4	612.4
70°	410.2	379.4	351.6	344.3	350.1	378.0	410.2	449.8	490.8	531.8	574.3
72.5°	366.3	328.2	298.9	290.1	297.4	328.2	364.8	405.8	449.8	493.7	539.1
75°	315.0	279.8	247.6	237.3	246.1	274.0	319.4	363.3	410.2	457.1	499.6
77.5°	274.0	232.9	199.2	183.1	197.8	232.9	276.9	323.8	372.1	420.5	468.8
80°	231.5	189.0	152.4	134.8	150.9	189.0	232.9	284.2	338.4	386.8	430.7
82.5°	193.4	148.0	109.9	90.8	108.4	150.9	199.2	250.5	303.3	351.6	402.9
85°	158.2	111.3	71.8	51.3	76.2	114.3	165.5	218.3	272.5	322.3	372.1
87.5°	128.9	83.5	44.0	22.0	46.9	89.4	137.7	190.5	244.7	294.5	341.4
90°	105.5	60.1	23.4	2.9	27.8	67.4	114.3	165.5	216.8	268.1	315.0
92.5°	86.4	45.4	13.2	1.5	17.6	54.2	98.2	146.5	196.3	246.1	291.5
95°	71.8	35.2	8.8	1.5	13.2	42.5	83.5	130.4	177.3	225.6	271.0
97.5°	61.5	29.3	7.3	1.5	10.3	36.6	71.8	115.7	161.2	206.6	250.5
100°	52.7	23.4	5.9	1.5	8.8	30.8	63.0	102.6	145.0	189.0	231.5
102.5°	45.4	19.0	4.4	1.5	7.3	26.4	55.7	92.3	130.4	172.9	213.9
105°	39.6	16.1	4.4	1.5	5.9	23.4	49.8	82.0	120.1	158.2	197.8
107.5°	33.7	13.2	2.9	1.5	4.4	19.0	44.0	74.7	108.4	145.0	181.7
110°	29.3	11.7	2.9	1.5	4.4	17.6	38.1	67.4	98.2	131.9	167.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	24.9	8.8	2.9	1.5	2.9	14.7	33.7	60.1	89.4	120.1	153.8
115°	22.0	7.3	1.5	1.5	2.9	13.2	30.8	54.2	80.6	109.9	140.6
117.5°	17.6	5.9	1.5	1.5	1.5	10.3	26.4	48.3	73.3	101.1	128.9
120°	14.7	5.9	1.5	1.5	1.5	8.8	23.4	42.5	65.9	90.8	117.2
122.5°	13.2	4.4	1.5	1.5	1.5	7.3	20.5	38.1	58.6	82.0	106.9
125°	11.7	4.4	1.5	1.5	1.5	5.9	17.6	33.7	52.7	73.3	96.7
127.5°	8.8	4.4	1.5	1.5	1.5	4.4	16.1	29.3	46.9	65.9	86.4
130°	7.3	2.9	1.5	1.5	1.5	4.4	13.2	26.4	41.0	58.6	77.6
132.5°	5.9	2.9	1.5	1.5	1.5	2.9	10.3	20.5	35.2	51.3	68.9
135°	5.9	2.9	1.5	1.5	1.5	2.9	7.3	17.6	29.3	44.0	58.6
137.5°	5.9	1.5	1.5	1.5	1.5	2.9	5.9	13.2	23.4	35.2	48.3
140°	4.4	1.5	1.5	1.5	1.5	1.5	4.4	10.3	19.0	29.3	41.0
142.5°	4.4	1.5	1.5	1.5	1.5	1.5	4.4	7.3	14.7	23.4	32.2
145°	2.9	1.5	1.5	1.5	1.5	1.5	2.9	5.9	11.7	17.6	26.4
147.5°	2.9	1.5	1.5	1.5	1.5	1.5	2.9	4.4	8.8	14.7	20.5
150°	2.9	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.9	10.3	16.1
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4	7.3	10.3
155°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.9	7.3
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4	5.9
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8
2.5°	1393.2	1383.0	1385.9	1384.5	1387.4	1391.8	1391.8	1390.3	1390.3	1387.4	1384.5
5°	1390.3	1380.1	1384.5	1383.0	1385.9	1390.3	1390.3	1388.8	1388.8	1384.5	1383.0
7.5°	1381.5	1374.2	1377.1	1377.1	1380.1	1384.5	1384.5	1383.0	1383.0	1378.6	1377.1
10°	1372.7	1363.9	1368.3	1368.3	1371.3	1377.1	1377.1	1375.7	1375.7	1371.3	1369.8
12.5°	1358.1	1349.3	1356.6	1358.1	1361.0	1366.9	1365.4	1365.4	1365.4	1361.0	1359.5
15°	1340.5	1334.6	1342.0	1343.4	1347.8	1355.2	1355.2	1355.2	1355.2	1350.8	1349.3
17.5°	1321.5	1317.1	1324.4	1327.3	1333.2	1340.5	1340.5	1342.0	1343.4	1340.5	1339.0
20°	1299.5	1296.6	1303.9	1309.7	1318.5	1325.9	1328.8	1330.2	1333.2	1330.2	1328.8
22.5°	1274.6	1274.6	1284.8	1290.7	1300.9	1308.3	1312.7	1317.1	1320.0	1317.1	1315.6
25°	1246.7	1251.1	1261.4	1271.6	1283.4	1290.7	1295.1	1300.9	1303.9	1302.4	1300.9
27.5°	1220.4	1226.2	1239.4	1249.7	1259.9	1271.6	1276.0	1283.4	1286.3	1286.3	1284.8
30°	1189.6	1198.4	1213.0	1224.8	1238.0	1249.7	1255.5	1262.9	1267.3	1264.3	1265.8
32.5°	1160.3	1175.0	1186.7	1199.9	1214.5	1226.2	1233.6	1242.3	1246.7	1245.3	1246.7
35°	1128.1	1142.7	1158.8	1172.0	1189.6	1201.3	1211.6	1218.9	1224.8	1223.3	1223.3
37.5°	1092.9	1112.0	1128.1	1145.7	1161.8	1175.0	1185.2	1194.0	1199.9	1199.9	1199.9
40°	1059.2	1079.7	1095.8	1116.4	1136.9	1148.6	1160.3	1169.1	1175.0	1176.4	1177.9
42.5°	1022.6	1044.6	1063.6	1085.6	1106.1	1120.7	1133.9	1144.2	1150.0	1153.0	1151.5
45°	988.9	1009.4	1031.4	1056.3	1075.3	1090.0	1106.1	1117.8	1123.7	1125.1	1126.6
47.5°	950.8	974.2	999.2	1024.1	1043.1	1062.1	1076.8	1088.5	1094.4	1098.8	1098.8
50°	914.2	939.1	966.9	993.3	1013.8	1032.8	1047.5	1060.7	1068.0	1070.9	1072.4
52.5°	880.5	903.9	933.2	959.6	980.1	999.2	1018.2	1032.8	1040.2	1043.1	1043.1
55°	839.5	868.8	901.0	925.9	947.9	969.9	988.9	1003.5	1010.9	1015.3	1018.2
57.5°	801.4	832.1	865.8	892.2	918.6	939.1	956.7	975.7	981.6	987.4	988.9
60°	764.7	795.5	827.7	857.0	883.4	905.4	925.9	942.0	952.3	955.2	958.1
62.5°	726.7	758.9	792.6	821.9	849.7	876.1	895.1	909.8	921.5	925.9	928.8
65°	690.0	723.7	757.4	788.2	817.5	843.9	862.9	877.6	889.3	896.6	898.1
67.5°	650.5	687.1	722.3	754.5	783.8	811.6	830.7	845.3	857.0	865.8	867.3
70°	613.8	651.9	687.1	722.3	751.6	779.4	799.9	814.6	827.7	833.6	836.5
72.5°	578.7	618.2	654.9	690.0	719.3	747.2	769.1	783.8	797.0	804.3	805.8
75°	545.0	584.5	624.1	657.8	688.6	716.4	738.4	754.5	766.2	773.5	776.5
77.5°	511.3	552.3	591.9	625.6	657.8	685.6	704.7	723.7	735.4	744.2	744.2
80°	477.6	520.1	561.1	594.8	627.0	651.9	673.9	693.0	704.7	713.5	713.5
82.5°	448.3	489.3	528.9	562.6	594.8	622.6	644.6	662.2	675.4	681.2	682.7
85°	414.6	460.0	496.6	533.3	564.0	590.4	612.4	631.4	643.1	649.0	651.9
87.5°	386.8	430.7	470.3	502.5	533.3	559.6	584.5	600.7	612.4	619.7	622.6
90°	360.4	402.9	442.4	474.7	506.9	531.8	555.2	571.4	584.5	590.4	593.3
92.5°	337.0	379.4	417.5	449.8	480.5	508.4	530.3	546.5	558.2	564.0	568.4
95°	315.0	356.0	392.6	427.8	457.1	482.0	505.4	521.6	534.7	539.1	543.5
97.5°	293.0	332.6	369.2	402.9	433.6	457.1	479.1	495.2	505.4	512.8	517.2
100°	274.0	312.1	347.2	379.4	408.7	430.7	454.2	468.8	479.1	484.9	490.8
102.5°	253.5	291.5	325.2	356.0	386.8	407.3	429.3	443.9	452.7	462.9	462.9
105°	235.9	271.0	304.7	334.0	360.4	385.3	404.3	419.0	429.3	436.6	436.6
107.5°	216.8	252.0	284.2	315.0	339.9	363.3	380.9	394.1	405.8	410.2	414.6
110°	202.2	232.9	265.2	294.5	317.9	339.9	357.5	372.1	382.4	386.8	389.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	184.6	216.8	246.1	274.0	297.4	317.9	335.5	347.2	357.5	363.3	364.8
115°	169.9	200.7	227.1	253.5	278.4	295.9	312.1	323.8	334.0	338.4	341.4
117.5°	156.8	184.6	211.0	232.9	256.4	275.4	291.5	301.8	310.6	316.4	319.4
120°	143.6	169.9	193.4	215.4	237.3	254.9	269.6	279.8	290.1	294.5	294.5
122.5°	130.4	155.3	177.3	197.8	218.3	234.4	250.5	259.3	268.1	272.5	272.5
125°	118.7	142.1	162.6	181.7	200.7	215.4	228.5	238.8	247.6	250.5	250.5
127.5°	106.9	128.9	148.0	165.5	181.7	196.3	209.5	219.8	227.1	230.0	230.0
130°	96.7	115.7	133.3	150.9	167.0	178.7	191.9	200.7	205.1	209.5	211.0
132.5°	86.4	104.0	120.1	134.8	150.9	162.6	172.9	181.7	186.1	190.5	191.9
135°	76.2	92.3	106.9	121.6	134.8	146.5	155.3	162.6	168.5	171.4	172.9
137.5°	64.5	82.0	95.2	106.9	121.6	130.4	140.6	145.0	150.9	153.8	153.8
140°	54.2	67.4	82.0	93.8	105.5	114.3	123.1	130.4	134.8	136.2	136.2
142.5°	44.0	55.7	67.4	82.0	92.3	99.6	108.4	114.3	117.2	118.7	120.1
145°	35.2	44.0	54.2	67.4	79.1	87.9	92.3	98.2	101.1	102.6	104.0
147.5°	26.4	35.2	44.0	52.7	64.5	73.3	77.6	83.5	86.4	87.9	87.9
150°	20.5	26.4	32.2	41.0	49.8	60.1	65.9	70.3	71.8	73.3	73.3
152.5°	14.7	20.5	24.9	30.8	36.6	45.4	54.2	57.1	58.6	60.1	60.1
155°	10.3	14.7	17.6	22.0	26.4	33.7	41.0	45.4	46.9	48.3	48.3
157.5°	7.3	10.3	11.7	16.1	19.0	22.0	27.8	35.2	36.6	36.6	36.6
160°	4.4	5.9	7.3	10.3	11.7	14.7	17.6	22.0	26.4	26.4	26.4
162.5°	2.9	4.4	4.4	5.9	5.9	8.8	10.3	11.7	16.1	17.6	17.6
165°	1.5	2.9	2.9	2.9	2.9	2.9	4.4	4.4	7.3	8.8	8.8
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-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8
2.5°	1385.9	1388.8	1387.4	1387.4	1387.4	1390.3	1387.4	1374.2	1377.1	1380.1	1383.0
5°	1384.5	1385.9	1385.9	1384.5	1384.5	1387.4	1384.5	1371.3	1374.2	1377.1	1378.6
7.5°	1378.6	1380.1	1380.1	1380.1	1378.6	1381.5	1377.1	1365.4	1365.4	1368.3	1369.8
10°	1371.3	1374.2	1372.7	1371.3	1371.3	1371.3	1368.3	1355.2	1355.2	1356.6	1358.1
12.5°	1362.5	1362.5	1362.5	1361.0	1359.5	1359.5	1356.6	1343.4	1342.0	1344.9	1343.4
15°	1350.8	1353.7	1350.8	1349.3	1346.4	1346.4	1342.0	1328.8	1325.9	1327.3	1325.9
17.5°	1340.5	1342.0	1339.0	1336.1	1333.2	1331.7	1327.3	1312.7	1308.3	1309.7	1306.8
20°	1330.2	1330.2	1327.3	1324.4	1320.0	1315.6	1309.7	1295.1	1287.8	1287.8	1281.9
22.5°	1317.1	1317.1	1314.1	1309.7	1305.3	1299.5	1293.6	1279.0	1267.3	1264.3	1259.9
25°	1302.4	1300.9	1299.5	1295.1	1286.3	1280.4	1274.6	1258.5	1245.3	1239.4	1232.1
27.5°	1284.8	1284.8	1280.4	1276.0	1267.3	1259.9	1252.6	1238.0	1220.4	1213.0	1202.8
30°	1265.8	1265.8	1261.4	1255.5	1246.7	1238.0	1229.2	1211.6	1194.0	1183.7	1172.0
32.5°	1246.7	1245.3	1240.9	1235.0	1226.2	1213.0	1205.7	1188.1	1167.6	1155.9	1139.8
35°	1223.3	1221.8	1217.4	1210.1	1198.4	1188.1	1176.4	1160.3	1136.9	1122.2	1104.6
37.5°	1199.9	1198.4	1195.5	1185.2	1173.5	1161.8	1147.1	1131.0	1109.0	1090.0	1072.4
40°	1176.4	1175.0	1169.1	1161.8	1147.1	1132.5	1117.8	1101.7	1078.3	1056.3	1037.2
42.5°	1151.5	1150.0	1142.7	1133.9	1117.8	1103.2	1085.6	1068.0	1044.6	1018.2	999.2
45°	1126.6	1123.7	1116.4	1106.1	1088.5	1072.4	1054.8	1034.3	1010.9	986.0	961.1
47.5°	1100.2	1095.8	1088.5	1073.9	1059.2	1041.6	1021.1	999.2	975.7	947.9	921.5
50°	1070.9	1068.0	1059.2	1046.0	1028.5	1010.9	987.4	965.5	937.6	911.2	879.0
52.5°	1043.1	1037.2	1029.9	1015.3	997.7	978.6	953.7	927.4	899.5	874.6	840.9
55°	1013.8	1010.9	1000.6	988.9	966.9	944.9	921.5	893.7	862.9	833.6	801.4
57.5°	986.0	980.1	971.3	955.2	936.2	914.2	889.3	860.0	826.3	795.5	760.4
60°	958.1	949.3	939.1	924.4	903.9	880.5	854.1	823.3	789.7	756.0	719.3
62.5°	927.4	920.0	908.3	893.7	873.2	848.3	820.4	788.2	756.0	720.8	681.2
65°	896.6	889.3	877.6	862.9	842.4	814.6	785.3	753.0	716.4	682.7	640.2
67.5°	865.8	858.5	845.3	829.2	808.7	782.3	751.6	717.9	681.2	644.6	600.7
70°	835.1	826.3	814.6	797.0	776.5	748.6	717.9	682.7	646.1	606.5	562.6
72.5°	804.3	797.0	782.3	766.2	744.2	716.4	685.6	650.5	612.4	571.4	527.4
75°	773.5	764.7	754.5	735.4	712.0	685.6	653.4	618.2	577.2	537.7	492.3
77.5°	742.8	735.4	722.3	703.2	681.2	653.4	621.2	586.0	545.0	504.0	455.6
80°	712.0	703.2	693.0	675.4	650.5	622.6	588.9	553.8	512.8	470.3	421.9
82.5°	681.2	672.4	660.7	643.1	619.7	591.9	559.6	521.6	480.5	436.6	391.2
85°	650.5	643.1	630.0	612.4	587.5	559.6	527.4	493.7	449.8	405.8	360.4
87.5°	619.7	612.4	599.2	581.6	558.2	530.3	498.1	462.9	420.5	379.4	329.6
90°	590.4	584.5	571.4	553.8	530.3	502.5	473.2	435.1	394.1	353.1	306.2
92.5°	564.0	558.2	546.5	528.9	508.4	477.6	448.3	411.7	370.7	328.2	282.8
95°	540.6	533.3	521.6	505.4	480.5	454.2	424.9	388.2	348.7	306.2	262.2
97.5°	514.2	506.9	495.2	477.6	457.1	429.3	400.0	364.8	325.2	285.7	241.7
100°	487.9	480.5	467.3	452.7	432.2	404.3	376.5	341.4	304.7	266.6	224.1
102.5°	461.5	454.2	442.4	427.8	407.3	382.4	354.5	320.8	284.2	246.1	206.6
105°	436.6	429.3	417.5	402.9	383.8	358.9	329.6	300.3	265.2	228.5	190.5
107.5°	411.7	404.3	394.1	379.4	360.4	337.0	309.1	278.4	246.1	211.0	174.3
110°	386.8	380.9	369.2	356.0	337.0	313.5	288.6	259.3	227.1	194.8	159.7





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	363.3	357.5	345.7	331.1	315.0	293.0	268.1	240.3	209.5	178.7	145.0
115°	339.9	332.6	322.3	309.1	293.0	272.5	249.1	224.1	193.4	164.1	133.3
117.5°	316.4	310.6	300.3	287.1	272.5	252.0	230.0	206.6	177.3	149.4	121.6
120°	293.0	288.6	278.4	266.6	252.0	232.9	212.4	189.0	162.6	136.2	109.9
122.5°	271.0	266.6	256.4	246.1	231.5	213.9	194.8	172.9	149.4	124.5	101.1
125°	250.5	244.7	235.9	225.6	212.4	196.3	177.3	156.8	134.8	112.8	90.8
127.5°	228.5	224.1	218.3	206.6	193.4	178.7	161.2	143.6	123.1	102.6	82.0
130°	211.0	205.1	197.8	189.0	177.3	162.6	146.5	128.9	111.3	92.3	71.8
132.5°	190.5	184.6	178.7	169.9	159.7	146.5	131.9	115.7	99.6	82.0	64.5
135°	171.4	167.0	161.2	152.4	142.1	131.9	117.2	102.6	87.9	71.8	57.1
137.5°	153.8	149.4	143.6	137.7	127.5	117.2	104.0	90.8	77.6	63.0	49.8
140°	136.2	133.3	127.5	121.6	112.8	102.6	90.8	79.1	67.4	54.2	42.5
142.5°	118.7	115.7	111.3	105.5	98.2	89.4	79.1	68.9	57.1	46.9	36.6
145°	102.6	101.1	96.7	90.8	85.0	76.2	67.4	58.6	48.3	39.6	29.3
147.5°	86.4	85.0	82.0	77.6	71.8	64.5	57.1	48.3	41.0	32.2	23.4
150°	71.8	70.3	68.9	63.0	60.1	52.7	46.9	39.6	33.7	24.9	19.0
152.5°	58.6	58.6	55.7	51.3	48.3	42.5	38.1	32.2	26.4	20.5	14.7
155°	46.9	45.4	44.0	41.0	38.1	33.7	29.3	24.9	20.5	14.7	10.3
157.5°	36.6	35.2	33.7	30.8	27.8	26.4	22.0	17.6	13.2	10.3	7.3
160°	26.4	24.9	23.4	22.0	20.5	17.6	14.7	11.7	8.8	5.9	4.4
162.5°	17.6	16.1	16.1	14.7	13.2	10.3	8.8	7.3	5.9	4.4	2.9
165°	8.8	8.8	7.3	7.3	5.9	4.4	4.4	4.4	2.9	2.9	1.5
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-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8	1388.8
2.5°	1381.5	1381.5	1387.4	1385.9	1381.5	1390.3	1400.6
5°	1377.1	1377.1	1381.5	1381.5	1377.1	1385.9	1394.7
7.5°	1369.8	1368.3	1372.7	1372.7	1366.9	1374.2	1384.5
10°	1356.6	1355.2	1359.5	1359.5	1353.7	1361.0	1369.8
12.5°	1342.0	1339.0	1343.4	1342.0	1336.1	1343.4	1352.2
15°	1322.9	1321.5	1324.4	1321.5	1315.6	1322.9	1331.7
17.5°	1303.9	1299.5	1300.9	1300.9	1290.7	1298.0	1305.3
20°	1279.0	1273.1	1274.6	1273.1	1265.8	1270.2	1279.0
22.5°	1254.1	1245.3	1245.3	1243.8	1235.0	1240.9	1248.2
25°	1223.3	1213.0	1213.0	1211.6	1201.3	1205.7	1213.0
27.5°	1192.5	1182.3	1177.9	1176.4	1166.2	1166.2	1176.4
30°	1160.3	1145.7	1142.7	1138.3	1128.1	1128.1	1136.9
32.5°	1129.5	1109.0	1103.2	1097.3	1087.1	1085.6	1095.8
35°	1088.5	1072.4	1062.1	1056.3	1044.6	1041.6	1050.4
37.5°	1054.8	1034.3	1019.7	1012.3	1000.6	996.2	1007.9
40°	1018.2	996.2	977.2	972.8	955.2	949.3	959.6
42.5°	977.2	953.7	934.7	925.9	912.7	906.9	908.3
45°	936.2	911.2	890.7	879.0	865.8	855.6	861.4
47.5°	893.7	871.7	846.8	829.2	813.1	805.8	808.7
50°	851.2	824.8	801.4	782.3	763.3	754.5	760.4
52.5°	808.7	780.9	754.5	734.0	712.0	703.2	704.7
55°	767.7	738.4	707.6	685.6	665.1	651.9	649.0
57.5°	726.7	694.4	662.2	637.3	610.9	599.2	594.8
60°	682.7	649.0	615.3	586.0	558.2	545.0	539.1
62.5°	641.7	605.1	567.0	536.2	508.4	490.8	486.4
65°	602.1	559.6	521.6	486.4	455.6	436.6	430.7
67.5°	559.6	515.7	474.7	436.6	407.3	382.4	379.4
70°	520.1	473.2	427.8	388.2	356.0	331.1	319.4
72.5°	480.5	432.2	385.3	342.8	301.8	278.4	269.6
75°	442.4	392.6	342.8	298.9	253.5	225.6	216.8
77.5°	407.3	356.0	303.3	254.9	212.4	177.3	165.5
80°	373.6	320.8	265.2	215.4	169.9	131.9	118.7
82.5°	338.4	288.6	231.5	178.7	131.9	92.3	76.2
85°	307.7	257.8	200.7	148.0	101.1	58.6	41.0
87.5°	282.8	228.5	177.3	124.5	76.2	33.7	11.7
90°	257.8	205.1	153.8	102.6	57.1	19.0	1.5
92.5°	235.9	186.1	134.8	87.9	44.0	13.2	1.5
95°	215.4	167.0	118.7	73.3	35.2	8.8	1.5
97.5°	196.3	150.9	105.5	63.0	29.3	7.3	1.5
100°	180.2	136.2	93.8	55.7	24.9	5.9	1.5
102.5°	164.1	123.1	83.5	48.3	22.0	4.4	1.5
105°	150.9	111.3	74.7	44.0	19.0	4.4	1.5
107.5°	137.7	101.1	67.4	38.1	16.1	2.9	1.5
110°	124.5	92.3	60.1	33.7	14.7	2.9	1.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	114.3	83.5	54.2	30.8	11.7	2.9	1.5
115°	104.0	74.7	48.3	26.4	10.3	1.5	1.5
117.5°	93.8	67.4	42.5	23.4	8.8	1.5	1.5
120°	85.0	60.1	38.1	20.5	7.3	1.5	1.5
122.5°	76.2	54.2	33.7	17.6	5.9	1.5	1.5
125°	68.9	48.3	29.3	14.7	4.4	1.5	1.5
127.5°	61.5	42.5	26.4	13.2	4.4	1.5	1.5
130°	54.2	38.1	22.0	10.3	2.9	1.5	1.5
132.5°	48.3	32.2	19.0	8.8	2.9	1.5	1.5
135°	42.5	27.8	16.1	5.9	2.9	1.5	1.5
137.5°	36.6	23.4	13.2	4.4	1.5	1.5	1.5
140°	30.8	20.5	10.3	4.4	1.5	1.5	1.5
142.5°	26.4	16.1	7.3	2.9	1.5	1.5	1.5
145°	20.5	13.2	5.9	2.9	1.5	1.5	1.5
147.5°	16.1	10.3	4.4	2.9	1.5	1.5	1.5
150°	11.7	7.3	4.4	1.5	1.5	1.5	1.5
152.5°	8.8	5.9	2.9	1.5	1.5	1.5	1.5
155°	5.9	4.4	2.9	1.5	1.5	1.5	1.5
157.5°	4.4	2.9	1.5	1.5	1.5	1.5	1.5
160°	2.9	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)