

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

Summary

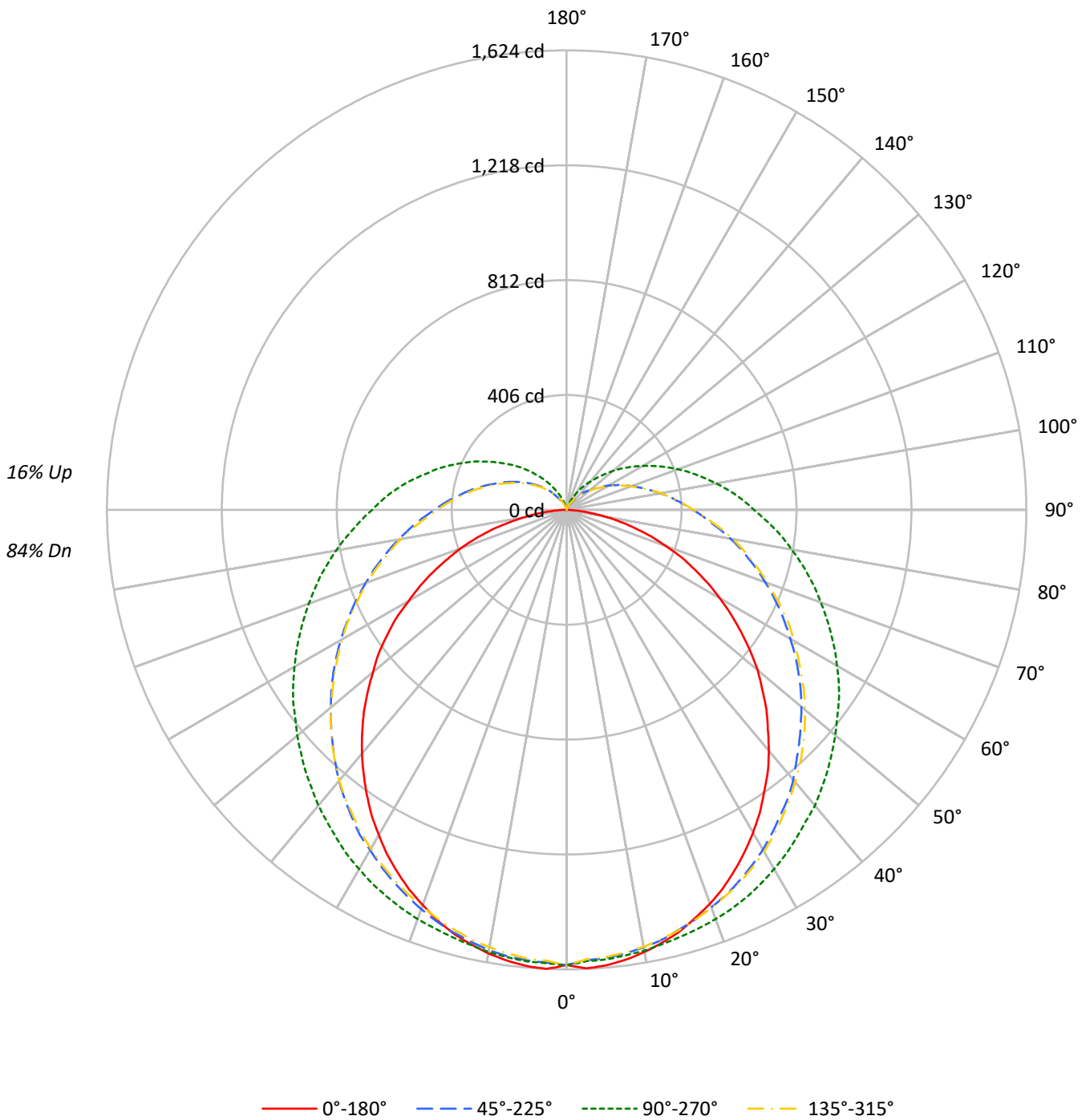
Lumens per Lamp: N/A
Luminaire Lumens: 6989.0 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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



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CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L950-CD1-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	6500	6500	6500	6500
5°	6543	6264	6557	6291
10°	6492	6086	6513	6105
15°	6425	5933	6454	5940
20°	6334	5822	6356	5822
25°	6218	5723	6256	5717
30°	6089	5622	6136	5622
35°	5936	5528	6003	5534
40°	5787	5472	5857	5472
45°	5614	5414	5700	5421
50°	5435	5380	5508	5394
55°	5180	5385	5344	5408
60°	4914	5401	5073	5435
65°	4615	5456	4819	5510
70°	4190	5556	4517	5635
75°	3704	5738	4055	5848
80°	2937	6007	3337	6146
85°	1868	6439	2336	6617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	2.2
10°-20°	438.0	6.3
20°-30°	671.5	9.6
30°-40°	828.4	11.9
40°-50°	898.8	12.9
50°-60°	885.8	12.7
60°-70°	800.9	11.5
70°-80°	667.2	9.5
80°-90°	516.8	7.4
90°-100°	391.9	5.6
100°-110°	290.0	4.2
110°-120°	201.8	2.9
120°-130°	128.7	1.8
130°-140°	72.2	1.0
140°-150°	33.0	0.5
150°-160°	10.2	0.1
160°-170°	1.3	0.0
170°-180°	0.0	0.0
0°-30°	1261.9	18.1
0°-40°	2090.3	29.9
0°-60°	3874.9	55.4
0°-90°	5859.8	83.8
90°-120°	883.7	12.6
90°-150°	1117.7	16.0
90°-180°	1129.0	16.2
0°-180°	6989.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1609	1609	1609	1609	1609	
5°	1616	1595	1619	1602	1616	153
15°	1542	1561	1549	1563	1542	435
25°	1405	1508	1414	1507	1405	647
35°	1217	1415	1230	1417	1217	762
45°	998	1303	1013	1305	998	769
55°	752	1174	776	1179	752	673
65°	499	1030	521	1040	499	494
75°	251	882	275	899	251	266
85°	48	735	59	755	48	57
90°	2	662	3	687	2	3
95°	2	601	2	630	2	1
105°	2	477	2	506	2	2
115°	2	363	2	395	2	2
125°	2	261	2	290	2	2
135°	2	170	2	200	2	1
145°	2	98	2	120	2	1
155°	2	41	2	56	2	1
165°	2	7	2	10	2	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1622.2	1622.2	1620.5	1617.1	1618.8	1623.9	1620.5	1612.1	1607.0	1593.4	1596.8
5°	1615.5	1615.5	1613.8	1610.4	1612.1	1618.8	1615.5	1608.7	1601.9	1590.0	1595.1
7.5°	1603.6	1603.6	1601.9	1598.5	1601.9	1608.7	1605.3	1598.5	1593.4	1581.5	1586.6
10°	1586.6	1588.3	1586.6	1581.5	1588.3	1595.1	1593.4	1584.9	1579.8	1569.6	1574.7
12.5°	1566.2	1567.9	1566.2	1564.5	1567.9	1578.1	1574.7	1567.9	1564.5	1556.1	1561.1
15°	1542.5	1544.2	1540.8	1540.8	1544.2	1554.4	1554.4	1547.6	1544.2	1535.7	1545.9
17.5°	1511.9	1513.6	1511.9	1511.9	1515.3	1525.5	1527.2	1523.8	1520.4	1517.0	1527.2
20°	1481.4	1479.7	1479.7	1478.0	1484.8	1500.1	1498.4	1498.4	1495.0	1495.0	1506.8
22.5°	1445.8	1445.8	1444.1	1444.1	1452.5	1466.1	1466.1	1469.5	1466.1	1472.9	1483.1
25°	1405.0	1406.7	1405.0	1408.4	1415.2	1430.5	1432.2	1437.3	1439.0	1445.8	1457.6
27.5°	1362.6	1364.3	1362.6	1366.0	1377.9	1389.8	1398.2	1405.0	1406.7	1416.9	1432.2
30°	1316.8	1316.8	1318.5	1321.9	1335.5	1354.1	1360.9	1369.4	1369.4	1386.4	1401.6
32.5°	1269.3	1269.3	1269.3	1276.1	1291.3	1313.4	1321.9	1332.1	1335.5	1352.4	1369.4
35°	1216.7	1218.4	1218.4	1223.5	1243.8	1265.9	1277.8	1289.6	1296.4	1316.8	1333.8
37.5°	1167.5	1170.9	1165.8	1172.6	1201.4	1220.1	1233.6	1245.5	1257.4	1284.6	1298.1
40°	1111.5	1114.9	1113.2	1126.7	1150.5	1174.3	1189.5	1201.4	1218.4	1245.5	1260.8
42.5°	1052.1	1055.5	1058.9	1074.1	1099.6	1123.3	1142.0	1157.3	1177.6	1201.4	1226.9
45°	997.8	997.8	1002.9	1021.5	1048.7	1074.1	1096.2	1113.2	1136.9	1162.4	1187.8
47.5°	936.7	938.4	945.2	967.2	996.1	1026.6	1047.0	1069.0	1094.5	1121.7	1150.5
50°	880.7	880.7	890.9	914.6	941.8	975.7	997.8	1023.2	1050.4	1082.6	1111.5
52.5°	816.2	819.6	834.9	856.9	892.6	923.1	948.6	975.7	1008.0	1041.9	1074.1
55°	751.7	758.5	770.4	800.9	838.3	867.1	897.7	931.6	962.1	999.5	1036.8
57.5°	688.9	694.0	712.7	743.2	782.3	817.9	850.1	882.4	919.7	957.1	996.1
60°	624.5	631.2	653.3	683.9	726.3	763.6	800.9	834.9	873.9	912.9	953.7
62.5°	563.4	568.5	593.9	629.6	672.0	712.7	750.0	790.8	833.2	870.5	911.2
65°	498.9	507.4	536.2	568.5	617.7	658.4	700.8	744.9	789.1	829.8	868.8
67.5°	439.5	444.6	475.1	512.5	561.7	607.5	651.6	699.1	744.9	787.4	826.4
70°	369.9	386.9	417.4	456.5	509.1	556.6	604.1	653.3	702.5	746.6	784.0
72.5°	312.2	325.8	359.7	402.2	453.1	509.1	558.3	610.9	660.1	705.9	744.9
75°	251.1	264.7	303.7	351.3	403.9	463.3	514.2	568.5	619.4	665.2	705.9
77.5°	191.7	208.7	251.1	300.4	358.0	419.1	471.7	526.0	578.6	627.9	668.6
80°	137.4	156.1	201.9	257.9	313.9	375.0	432.7	487.0	539.6	588.8	631.2
82.5°	88.2	108.6	157.8	213.8	273.2	334.3	393.7	448.0	500.6	549.8	593.9
85°	47.5	69.6	120.5	176.5	235.9	297.0	356.3	414.0	465.0	510.8	558.3
87.5°	13.6	40.7	89.9	145.9	207.0	263.0	320.7	378.4	429.3	478.5	520.9
90°	1.7	23.8	67.9	120.5	179.9	234.2	291.9	346.2	397.1	446.3	488.7
92.5°	1.7	15.3	52.6	100.1	154.4	210.4	268.1	320.7	368.2	417.4	459.9
95°	1.7	11.9	42.4	84.8	135.8	188.4	242.7	293.6	342.8	388.6	431.0
97.5°	1.7	8.5	33.9	73.0	118.8	168.0	220.6	271.5	319.0	363.1	402.2
100°	1.7	6.8	27.2	62.8	103.5	151.0	198.5	247.7	293.6	336.0	376.7
102.5°	1.7	5.1	23.8	52.6	91.6	134.1	179.9	225.7	269.8	310.5	351.3
105°	1.7	5.1	20.4	45.8	81.5	120.5	162.9	207.0	247.7	286.8	324.1
107.5°	1.7	3.4	17.0	39.0	71.3	108.6	147.6	190.1	227.4	264.7	300.4
110°	1.7	3.4	13.6	35.6	62.8	96.7	134.1	173.1	208.7	244.4	278.3



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CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.7	3.4	11.9	30.5	54.3	86.5	120.5	156.1	190.1	225.7	256.2
115°	1.7	3.4	10.2	27.2	50.9	74.7	108.6	140.8	174.8	207.0	235.9
117.5°	1.7	3.4	8.5	22.1	44.1	67.9	95.0	127.3	157.8	188.4	215.5
120°	1.7	3.4	6.8	20.4	39.0	61.1	84.8	113.7	142.5	171.4	200.2
122.5°	1.7	1.7	6.8	17.0	33.9	54.3	78.1	100.1	127.3	154.4	179.9
125°	1.7	1.7	6.8	15.3	28.8	49.2	69.6	89.9	113.7	137.4	159.5
127.5°	1.7	1.7	5.1	11.9	25.5	42.4	61.1	83.1	100.1	122.2	144.2
130°	1.7	1.7	5.1	10.2	22.1	35.6	54.3	73.0	93.3	108.6	127.3
132.5°	1.7	1.7	5.1	8.5	17.0	28.8	45.8	62.8	81.5	98.4	113.7
135°	1.7	1.7	3.4	6.8	13.6	23.8	37.3	52.6	71.3	88.2	103.5
137.5°	1.7	1.7	3.4	6.8	10.2	20.4	28.8	42.4	59.4	74.7	89.9
140°	1.7	1.7	3.4	5.1	8.5	15.3	23.8	33.9	47.5	61.1	78.1
142.5°	1.7	1.7	1.7	5.1	6.8	11.9	18.7	27.2	37.3	49.2	62.8
145°	1.7	1.7	1.7	5.1	6.8	8.5	15.3	22.1	28.8	37.3	49.2
147.5°	1.7	1.7	1.7	3.4	5.1	6.8	11.9	17.0	22.1	28.8	35.6
150°	1.7	1.7	1.7	3.4	5.1	6.8	8.5	11.9	17.0	23.8	28.8
152.5°	1.7	1.7	1.7	3.4	3.4	5.1	6.8	8.5	11.9	17.0	20.4
155°	1.7	1.7	1.7	1.7	3.4	5.1	6.8	6.8	8.5	11.9	15.3
157.5°	1.7	1.7	1.7	1.7	3.4	3.4	5.1	5.1	6.8	6.8	10.2
160°	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.1	5.1	5.1	5.1
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	5.1	5.1
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
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°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1596.8	1598.5	1603.6	1603.6	1600.2	1600.2	1598.5	1596.8	1598.5	1601.9	1601.9
5°	1593.4	1595.1	1600.2	1601.9	1598.5	1596.8	1596.8	1595.1	1596.8	1600.2	1600.2
7.5°	1586.6	1588.3	1593.4	1595.1	1591.7	1591.7	1590.0	1588.3	1591.7	1593.4	1593.4
10°	1576.4	1578.1	1584.9	1586.6	1584.9	1583.2	1583.2	1581.5	1583.2	1586.6	1586.6
12.5°	1562.8	1566.2	1574.7	1574.7	1574.7	1573.0	1573.0	1571.3	1573.0	1576.4	1574.7
15°	1547.6	1554.4	1561.1	1564.5	1564.5	1564.5	1562.8	1561.1	1564.5	1566.2	1564.5
17.5°	1530.6	1539.1	1549.3	1552.7	1552.7	1554.4	1552.7	1551.0	1554.4	1554.4	1552.7
20°	1513.6	1522.1	1532.3	1535.7	1539.1	1540.8	1540.8	1539.1	1540.8	1542.5	1540.8
22.5°	1491.6	1501.8	1513.6	1518.7	1522.1	1525.5	1525.5	1525.5	1527.2	1528.9	1525.5
25°	1467.8	1479.7	1493.3	1498.4	1505.2	1506.8	1508.5	1508.5	1510.2	1511.9	1506.8
27.5°	1442.4	1455.9	1469.5	1478.0	1483.1	1486.5	1486.5	1488.2	1489.9	1491.6	1486.5
30°	1411.8	1432.2	1444.1	1450.9	1457.6	1462.7	1464.4	1466.1	1467.8	1469.5	1464.4
32.5°	1384.7	1401.6	1416.9	1425.4	1433.9	1440.7	1442.4	1442.4	1445.8	1445.8	1440.7
35°	1352.4	1372.8	1388.1	1396.6	1406.7	1411.8	1415.2	1415.2	1418.6	1418.6	1413.5
37.5°	1320.2	1340.6	1357.5	1367.7	1379.6	1386.4	1388.1	1388.1	1391.5	1391.5	1384.7
40°	1286.3	1308.3	1327.0	1338.9	1349.0	1357.5	1359.2	1364.3	1364.3	1362.6	1355.8
42.5°	1252.3	1272.7	1293.0	1306.6	1320.2	1328.7	1332.1	1333.8	1333.8	1332.1	1327.0
45°	1215.0	1238.7	1257.4	1274.4	1287.9	1296.4	1301.5	1303.2	1303.2	1299.8	1294.7
47.5°	1179.3	1203.1	1221.8	1240.4	1254.0	1264.2	1269.3	1271.0	1269.3	1267.6	1262.5
50°	1142.0	1169.2	1187.8	1206.5	1220.1	1228.6	1237.0	1238.7	1237.0	1235.3	1225.2
52.5°	1103.0	1131.8	1152.2	1170.9	1186.1	1196.3	1203.1	1204.8	1204.8	1201.4	1194.6
55°	1064.0	1089.4	1114.9	1135.2	1152.2	1162.4	1170.9	1174.3	1170.9	1167.5	1159.0
57.5°	1028.3	1052.1	1077.5	1099.6	1116.6	1130.1	1136.9	1140.3	1136.9	1131.8	1123.3
60°	985.9	1011.4	1040.2	1060.6	1079.2	1092.8	1096.2	1103.0	1099.6	1094.5	1086.0
62.5°	945.2	975.7	1001.2	1026.6	1041.9	1057.2	1064.0	1067.4	1064.0	1058.9	1050.4
65°	902.8	936.7	962.1	987.6	1004.6	1019.8	1028.3	1030.0	1026.6	1021.5	1013.1
67.5°	863.7	896.0	923.1	950.3	965.5	980.8	989.3	992.7	989.3	982.5	974.0
70°	824.7	856.9	889.2	909.5	928.2	945.2	950.3	955.4	952.0	945.2	935.0
72.5°	785.7	819.6	851.8	872.2	892.6	907.8	914.6	919.7	916.3	909.5	897.7
75°	744.9	780.6	812.8	834.9	855.2	870.5	877.3	882.4	879.0	872.2	858.6
77.5°	707.6	743.2	773.8	797.5	817.9	831.5	843.4	845.1	841.7	834.9	821.3
80°	668.6	704.2	736.5	760.2	780.6	794.1	802.6	807.7	804.3	797.5	784.0
82.5°	634.6	666.9	699.1	722.9	743.2	760.2	767.0	772.1	770.4	760.2	750.0
85°	597.3	634.6	660.1	685.5	705.9	722.9	728.0	734.8	733.1	724.6	711.0
87.5°	560.0	597.3	627.9	653.3	672.0	685.5	694.0	697.4	695.7	687.2	672.0
90°	529.4	563.4	593.9	621.1	636.3	651.6	660.1	661.8	661.8	651.6	639.7
92.5°	500.6	532.8	563.4	588.8	607.5	621.1	627.9	631.2	629.6	621.1	607.5
95°	468.3	504.0	532.8	558.3	576.9	590.5	597.3	600.7	599.0	590.5	576.9
97.5°	441.2	473.4	502.3	526.0	544.7	558.3	565.1	568.5	568.5	560.0	546.4
100°	414.0	446.3	473.4	497.2	514.2	527.7	534.5	536.2	534.5	527.7	514.2
102.5°	386.9	417.4	444.6	466.6	485.3	497.2	504.0	505.7	505.7	497.2	483.6
105°	359.7	390.3	415.7	439.5	454.8	466.6	471.7	476.8	475.1	468.3	454.8
107.5°	334.3	364.8	388.6	410.7	425.9	437.8	442.9	448.0	446.3	439.5	425.9
110°	310.5	339.4	361.4	383.5	397.1	409.0	417.4	419.1	415.7	409.0	397.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	288.5	313.9	336.0	356.3	371.6	380.1	386.9	390.3	386.9	380.1	371.6
115°	264.7	290.2	312.2	330.9	344.5	354.7	359.7	363.1	359.7	353.0	344.5
117.5°	242.7	266.4	288.5	307.1	319.0	327.5	332.6	336.0	332.6	327.5	319.0
120°	224.0	244.4	264.7	281.7	295.3	302.0	307.1	310.5	308.8	302.0	293.6
122.5°	201.9	224.0	242.7	259.6	271.5	278.3	281.7	285.1	283.4	278.3	269.8
125°	183.3	201.9	220.6	235.9	247.7	254.5	257.9	261.3	259.6	254.5	244.4
127.5°	162.9	183.3	198.5	213.8	222.3	232.5	234.2	237.6	235.9	230.8	222.3
130°	147.6	162.9	178.2	191.7	201.9	208.7	212.1	213.8	210.4	207.0	198.5
132.5°	129.0	145.9	159.5	171.4	178.2	185.0	188.4	190.1	190.1	185.0	178.2
135°	115.4	127.3	139.1	151.0	157.8	164.6	168.0	169.7	168.0	164.6	157.8
137.5°	103.5	113.7	122.2	132.4	140.8	144.2	147.6	147.6	145.9	144.2	139.1
140°	89.9	101.8	110.3	117.1	123.9	125.6	129.0	129.0	127.3	125.6	122.2
142.5°	76.4	86.5	95.0	103.5	108.6	112.0	113.7	115.4	113.7	112.0	106.9
145°	61.1	73.0	81.5	86.5	93.3	95.0	96.7	98.4	96.7	95.0	89.9
147.5°	47.5	57.7	66.2	73.0	78.1	79.8	81.5	83.1	81.5	78.1	76.4
150°	33.9	42.4	52.6	59.4	62.8	66.2	66.2	66.2	67.9	64.5	61.1
152.5°	27.2	30.5	37.3	44.1	49.2	50.9	52.6	52.6	50.9	50.9	47.5
155°	18.7	22.1	27.2	32.2	37.3	39.0	40.7	40.7	39.0	39.0	37.3
157.5°	11.9	15.3	18.7	22.1	27.2	28.8	30.5	30.5	30.5	28.8	27.2
160°	6.8	8.5	10.2	13.6	17.0	18.7	20.4	20.4	20.4	20.4	18.7
162.5°	5.1	5.1	5.1	6.8	8.5	10.2	11.9	11.9	11.9	11.9	10.2
165°	3.4	3.4	3.4	3.4	3.4	5.1	6.8	6.8	6.8	6.8	6.8
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1600.2	1600.2	1601.9	1598.5	1588.3	1590.0	1590.0	1596.8	1600.2	1601.9	1610.4
5°	1596.8	1596.8	1600.2	1595.1	1586.6	1586.6	1586.6	1593.4	1595.1	1598.5	1605.3
7.5°	1591.7	1591.7	1593.4	1588.3	1578.1	1578.1	1576.4	1583.2	1586.6	1588.3	1595.1
10°	1583.2	1583.2	1584.9	1579.8	1567.9	1567.9	1566.2	1571.3	1573.0	1576.4	1581.5
12.5°	1571.3	1571.3	1571.3	1566.2	1554.4	1552.7	1551.0	1556.1	1556.1	1557.8	1562.8
15°	1561.1	1557.8	1557.8	1552.7	1540.8	1537.4	1534.0	1535.7	1539.1	1537.4	1540.8
17.5°	1549.3	1545.9	1542.5	1537.4	1522.1	1517.0	1513.6	1515.3	1513.6	1511.9	1515.3
20°	1535.7	1530.6	1528.9	1520.4	1505.2	1496.7	1489.9	1486.5	1488.2	1483.1	1484.8
22.5°	1520.4	1513.6	1510.2	1500.1	1484.8	1474.6	1466.1	1459.3	1457.6	1450.9	1452.5
25°	1501.8	1493.3	1488.2	1479.7	1462.7	1450.9	1440.7	1430.5	1425.4	1416.9	1415.2
27.5°	1479.7	1471.2	1464.4	1455.9	1439.0	1423.7	1411.8	1398.2	1391.5	1381.3	1376.2
30°	1457.6	1447.5	1437.3	1430.5	1411.8	1394.9	1376.2	1364.3	1354.1	1342.2	1333.8
32.5°	1430.5	1420.3	1410.1	1399.9	1383.0	1362.6	1347.3	1328.7	1316.8	1303.2	1293.0
35°	1403.3	1389.8	1379.6	1366.0	1350.7	1327.0	1308.3	1289.6	1274.4	1259.1	1247.2
37.5°	1372.8	1362.6	1347.3	1335.5	1316.8	1293.0	1272.7	1248.9	1235.3	1215.0	1199.7
40°	1343.9	1332.1	1316.8	1301.5	1282.9	1255.7	1233.6	1206.5	1191.2	1167.5	1152.2
42.5°	1315.1	1298.1	1282.9	1265.9	1245.5	1220.1	1192.9	1165.8	1145.4	1123.3	1101.3
45°	1282.9	1264.2	1245.5	1226.9	1206.5	1181.0	1152.2	1123.3	1097.9	1077.5	1050.4
47.5°	1248.9	1230.3	1208.2	1187.8	1165.8	1140.3	1109.8	1079.2	1052.1	1028.3	999.5
50°	1215.0	1196.3	1172.6	1150.5	1125.0	1099.6	1067.4	1031.7	1002.9	972.3	946.9
52.5°	1179.3	1160.7	1138.6	1109.8	1082.6	1057.2	1023.2	985.9	953.7	928.2	896.0
55°	1143.7	1125.0	1099.6	1070.7	1043.6	1011.4	979.1	941.8	906.1	875.6	843.4
57.5°	1106.4	1089.4	1060.6	1036.8	1002.9	968.9	935.0	899.4	860.3	824.7	787.4
60°	1069.0	1050.4	1023.2	994.4	960.4	926.5	890.9	851.8	811.1	772.1	738.2
62.5°	1035.1	1011.4	985.9	955.4	919.7	887.5	846.8	804.3	763.6	722.9	682.2
65°	996.1	970.6	946.9	916.3	879.0	841.7	800.9	758.5	714.4	670.3	629.6
67.5°	957.1	931.6	906.1	875.6	836.6	797.5	755.1	712.7	663.5	621.1	573.6
70°	918.0	897.7	865.4	833.2	797.5	755.1	712.7	666.9	616.0	570.2	520.9
72.5°	879.0	858.6	826.4	792.5	758.5	714.4	668.6	622.8	575.2	522.6	470.0
75°	841.7	816.2	787.4	755.1	719.5	673.7	627.9	580.3	524.3	475.1	420.8
77.5°	806.0	782.3	753.4	717.8	678.8	634.6	587.1	537.9	481.9	429.3	369.9
80°	767.0	743.2	714.4	678.8	639.7	597.3	546.4	495.5	441.2	383.5	322.4
82.5°	729.7	707.6	675.4	643.1	600.7	558.3	507.4	456.5	398.8	342.8	283.4
85°	690.6	668.6	638.0	604.1	563.4	517.6	470.0	419.1	361.4	303.7	244.4
87.5°	656.7	631.2	600.7	566.8	526.0	481.9	436.1	381.8	325.8	269.8	208.7
90°	621.1	597.3	566.8	532.8	492.1	448.0	400.5	349.6	295.3	237.6	179.9
92.5°	590.5	565.1	536.2	502.3	461.6	419.1	371.6	320.7	268.1	212.1	156.1
95°	560.0	534.5	507.4	473.4	432.7	390.3	342.8	293.6	242.7	188.4	135.8
97.5°	526.0	504.0	476.8	444.6	403.9	363.1	317.3	269.8	220.6	168.0	118.8
100°	498.9	473.4	448.0	414.0	376.7	337.7	291.9	246.1	198.5	149.3	103.5
102.5°	468.3	444.6	419.1	386.9	349.6	310.5	268.1	224.0	179.9	134.1	89.9
105°	439.5	417.4	390.3	359.7	324.1	286.8	246.1	205.3	162.9	118.8	79.8
107.5°	410.7	388.6	363.1	334.3	300.4	263.0	225.7	185.0	145.9	106.9	71.3
110°	381.8	361.4	337.7	308.8	276.6	242.7	207.0	169.7	130.7	95.0	62.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	356.3	336.0	312.2	285.1	254.5	222.3	188.4	152.7	117.1	84.8	54.3
115°	330.9	312.2	288.5	264.7	234.2	203.6	171.4	137.4	105.2	76.4	47.5
117.5°	305.4	286.8	264.7	241.0	213.8	185.0	154.4	122.2	95.0	67.9	42.4
120°	280.0	263.0	242.7	220.6	196.8	168.0	137.4	110.3	84.8	59.4	37.3
122.5°	256.2	241.0	222.3	201.9	176.5	149.3	123.9	100.1	76.4	52.6	30.5
125°	234.2	218.9	201.9	181.6	157.8	134.1	112.0	89.9	66.2	45.8	25.5
127.5°	212.1	196.8	179.9	161.2	142.5	120.5	100.1	79.8	59.4	40.7	22.1
130°	190.1	176.5	161.2	145.9	127.3	106.9	89.9	69.6	50.9	32.2	18.7
132.5°	168.0	157.8	144.2	129.0	112.0	96.7	78.1	61.1	44.1	28.8	17.0
135°	149.3	139.1	127.3	113.7	100.1	84.8	67.9	52.6	37.3	23.8	13.6
137.5°	132.4	123.9	112.0	100.1	88.2	73.0	59.4	44.1	30.5	20.4	10.2
140°	117.1	108.6	98.4	86.5	76.4	62.8	49.2	35.6	27.2	17.0	8.5
142.5°	101.8	93.3	84.8	74.7	64.5	52.6	40.7	30.5	22.1	13.6	8.5
145°	86.5	79.8	71.3	62.8	52.6	42.4	33.9	25.5	17.0	10.2	6.8
147.5°	71.3	66.2	57.7	50.9	42.4	33.9	27.2	20.4	13.6	8.5	5.1
150°	57.7	52.6	45.8	39.0	33.9	27.2	22.1	15.3	10.2	8.5	5.1
152.5°	44.1	40.7	35.6	32.2	27.2	20.4	15.3	11.9	8.5	6.8	3.4
155°	35.6	32.2	28.8	23.8	20.4	15.3	11.9	8.5	6.8	5.1	3.4
157.5°	25.5	23.8	20.4	17.0	13.6	10.2	8.5	8.5	5.1	3.4	1.7
160°	17.0	15.3	13.6	10.2	8.5	8.5	6.8	5.1	3.4	3.4	1.7
162.5°	10.2	8.5	8.5	8.5	6.8	6.8	5.1	3.4	3.4	1.7	1.7
165°	6.8	6.8	6.8	5.1	5.1	5.1	3.4	1.7	1.7	1.7	1.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1610.4	1605.3	1612.1	1623.9	1625.6	1623.9	1620.5	1625.6	1632.4	1630.7	1618.8
5°	1607.0	1600.2	1607.0	1618.8	1618.8	1617.1	1615.5	1620.5	1627.3	1625.6	1615.5
7.5°	1596.8	1590.0	1596.8	1607.0	1608.7	1605.3	1605.3	1610.4	1617.1	1615.5	1607.0
10°	1583.2	1576.4	1579.8	1591.7	1595.1	1591.7	1591.7	1596.8	1605.3	1603.6	1593.4
12.5°	1562.8	1557.8	1561.1	1571.3	1574.7	1573.0	1571.3	1578.1	1586.6	1586.6	1576.4
15°	1540.8	1534.0	1537.4	1549.3	1551.0	1547.6	1549.3	1554.4	1564.5	1564.5	1556.1
17.5°	1515.3	1506.8	1511.9	1520.4	1522.1	1522.1	1522.1	1528.9	1540.8	1539.1	1532.3
20°	1486.5	1474.6	1478.0	1486.5	1489.9	1489.9	1489.9	1501.8	1510.2	1510.2	1503.5
22.5°	1452.5	1444.1	1444.1	1452.5	1457.6	1455.9	1455.9	1466.1	1478.0	1476.3	1476.3
25°	1413.5	1406.7	1403.3	1413.5	1415.2	1416.9	1420.3	1430.5	1444.1	1444.1	1445.8
27.5°	1372.8	1366.0	1364.3	1372.8	1374.5	1376.2	1379.6	1391.5	1405.0	1406.7	1410.1
30°	1333.8	1323.6	1320.2	1327.0	1330.4	1332.1	1332.1	1350.7	1362.6	1367.7	1374.5
32.5°	1287.9	1277.8	1269.3	1281.2	1282.9	1286.3	1287.9	1306.6	1320.2	1328.7	1338.9
35°	1242.1	1225.2	1221.8	1230.3	1233.6	1235.3	1238.7	1259.1	1277.8	1284.6	1298.1
37.5°	1191.2	1179.3	1169.2	1177.6	1181.0	1182.7	1192.9	1211.6	1230.3	1240.4	1254.0
40°	1143.7	1128.4	1120.0	1125.0	1128.4	1130.1	1142.0	1162.4	1184.4	1196.3	1213.3
42.5°	1091.1	1070.7	1064.0	1069.0	1070.7	1075.8	1086.0	1113.2	1135.2	1152.2	1165.8
45°	1038.5	1023.2	1008.0	1013.1	1014.7	1018.1	1033.4	1062.3	1086.0	1106.4	1121.7
47.5°	984.2	965.5	950.3	953.7	960.4	962.1	979.1	1013.1	1035.1	1057.2	1077.5
50°	929.9	904.4	892.6	892.6	896.0	904.4	926.5	960.4	984.2	1009.7	1031.7
52.5°	873.9	850.1	836.6	838.3	841.7	851.8	872.2	906.1	933.3	960.4	987.6
55°	817.9	792.5	778.9	775.5	778.9	792.5	816.2	851.8	879.0	911.2	940.1
57.5°	761.9	731.4	719.5	714.4	717.8	734.8	758.5	795.8	829.8	860.3	894.3
60°	700.8	677.1	656.7	644.8	653.3	675.4	700.8	739.8	775.5	809.4	846.8
62.5°	648.2	617.7	595.6	583.7	592.2	610.9	646.5	683.9	722.9	761.9	799.2
65°	588.8	558.3	532.8	520.9	529.4	551.5	587.1	627.9	670.3	709.3	753.4
67.5°	531.1	498.9	468.3	456.5	466.6	490.4	529.4	575.2	621.1	661.8	709.3
70°	475.1	439.5	407.3	398.8	405.6	437.8	475.1	520.9	568.5	616.0	665.2
72.5°	424.2	380.1	346.2	336.0	344.5	380.1	422.5	470.0	520.9	571.9	624.5
75°	364.8	324.1	286.8	274.9	285.1	317.3	369.9	420.8	475.1	529.4	578.6
77.5°	317.3	269.8	230.8	212.1	229.1	269.8	320.7	375.0	431.0	487.0	543.0
80°	268.1	218.9	176.5	156.1	174.8	218.9	269.8	329.2	392.0	448.0	498.9
82.5°	224.0	171.4	127.3	105.2	125.6	174.8	230.8	290.2	351.3	407.3	466.6
85°	183.3	129.0	83.1	59.4	88.2	132.4	191.7	252.8	315.6	373.3	431.0
87.5°	149.3	96.7	50.9	25.5	54.3	103.5	159.5	220.6	283.4	341.1	395.4
90°	122.2	69.6	27.2	3.4	32.2	78.1	132.4	191.7	251.1	310.5	364.8
92.5°	100.1	52.6	15.3	1.7	20.4	62.8	113.7	169.7	227.4	285.1	337.7
95°	83.1	40.7	10.2	1.7	15.3	49.2	96.7	151.0	205.3	261.3	313.9
97.5°	71.3	33.9	8.5	1.7	11.9	42.4	83.1	134.1	186.7	239.3	290.2
100°	61.1	27.2	6.8	1.7	10.2	35.6	73.0	118.8	168.0	218.9	268.1
102.5°	52.6	22.1	5.1	1.7	8.5	30.5	64.5	106.9	151.0	200.2	247.7
105°	45.8	18.7	5.1	1.7	6.8	27.2	57.7	95.0	139.1	183.3	229.1
107.5°	39.0	15.3	3.4	1.7	5.1	22.1	50.9	86.5	125.6	168.0	210.4
110°	33.9	13.6	3.4	1.7	5.1	20.4	44.1	78.1	113.7	152.7	193.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	28.8	10.2	3.4	1.7	3.4	17.0	39.0	69.6	103.5	139.1	178.2
115°	25.5	8.5	1.7	1.7	3.4	15.3	35.6	62.8	93.3	127.3	162.9
117.5°	20.4	6.8	1.7	1.7	1.7	11.9	30.5	56.0	84.8	117.1	149.3
120°	17.0	6.8	1.7	1.7	1.7	10.2	27.2	49.2	76.4	105.2	135.8
122.5°	15.3	5.1	1.7	1.7	1.7	8.5	23.8	44.1	67.9	95.0	123.9
125°	13.6	5.1	1.7	1.7	1.7	6.8	20.4	39.0	61.1	84.8	112.0
127.5°	10.2	5.1	1.7	1.7	1.7	5.1	18.7	33.9	54.3	76.4	100.1
130°	8.5	3.4	1.7	1.7	1.7	5.1	15.3	30.5	47.5	67.9	89.9
132.5°	6.8	3.4	1.7	1.7	1.7	3.4	11.9	23.8	40.7	59.4	79.8
135°	6.8	3.4	1.7	1.7	1.7	3.4	8.5	20.4	33.9	50.9	67.9
137.5°	6.8	1.7	1.7	1.7	1.7	3.4	6.8	15.3	27.2	40.7	56.0
140°	5.1	1.7	1.7	1.7	1.7	1.7	5.1	11.9	22.1	33.9	47.5
142.5°	5.1	1.7	1.7	1.7	1.7	1.7	5.1	8.5	17.0	27.2	37.3
145°	3.4	1.7	1.7	1.7	1.7	1.7	3.4	6.8	13.6	20.4	30.5
147.5°	3.4	1.7	1.7	1.7	1.7	1.7	3.4	5.1	10.2	17.0	23.8
150°	3.4	1.7	1.7	1.7	1.7	1.7	3.4	5.1	6.8	11.9	18.7
152.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.1	8.5	11.9
155°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	6.8	8.5
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.1	6.8
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.1
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1613.8	1601.9	1605.3	1603.6	1607.0	1612.1	1612.1	1610.4	1610.4	1607.0	1603.6
5°	1610.4	1598.5	1603.6	1601.9	1605.3	1610.4	1610.4	1608.7	1608.7	1603.6	1601.9
7.5°	1600.2	1591.7	1595.1	1595.1	1598.5	1603.6	1603.6	1601.9	1601.9	1596.8	1595.1
10°	1590.0	1579.8	1584.9	1584.9	1588.3	1595.1	1595.1	1593.4	1593.4	1588.3	1586.6
12.5°	1573.0	1562.8	1571.3	1573.0	1576.4	1583.2	1581.5	1581.5	1581.5	1576.4	1574.7
15°	1552.7	1545.9	1554.4	1556.1	1561.1	1569.6	1569.6	1569.6	1569.6	1564.5	1562.8
17.5°	1530.6	1525.5	1534.0	1537.4	1544.2	1552.7	1552.7	1554.4	1556.1	1552.7	1551.0
20°	1505.2	1501.8	1510.2	1517.0	1527.2	1535.7	1539.1	1540.8	1544.2	1540.8	1539.1
22.5°	1476.3	1476.3	1488.2	1495.0	1506.8	1515.3	1520.4	1525.5	1528.9	1525.5	1523.8
25°	1444.1	1449.2	1461.0	1472.9	1486.5	1495.0	1500.1	1506.8	1510.2	1508.5	1506.8
27.5°	1413.5	1420.3	1435.6	1447.5	1459.3	1472.9	1478.0	1486.5	1489.9	1489.9	1488.2
30°	1377.9	1388.1	1405.0	1418.6	1433.9	1447.5	1454.2	1462.7	1467.8	1464.4	1466.1
32.5°	1343.9	1360.9	1374.5	1389.8	1406.7	1420.3	1428.8	1439.0	1444.1	1442.4	1444.1
35°	1306.6	1323.6	1342.2	1357.5	1377.9	1391.5	1403.3	1411.8	1418.6	1416.9	1416.9
37.5°	1265.9	1287.9	1306.6	1327.0	1345.6	1360.9	1372.8	1383.0	1389.8	1389.8	1389.8
40°	1226.9	1250.6	1269.3	1293.0	1316.8	1330.4	1343.9	1354.1	1360.9	1362.6	1364.3
42.5°	1184.4	1209.9	1232.0	1257.4	1281.2	1298.1	1313.4	1325.3	1332.1	1335.5	1333.8
45°	1145.4	1169.2	1194.6	1223.5	1245.5	1262.5	1281.2	1294.7	1301.5	1303.2	1304.9
47.5°	1101.3	1128.4	1157.3	1186.1	1208.2	1230.3	1247.2	1260.8	1267.6	1272.7	1272.7
50°	1058.9	1087.7	1120.0	1150.5	1174.3	1196.3	1213.3	1228.6	1237.0	1240.4	1242.1
52.5°	1019.8	1047.0	1080.9	1111.5	1135.2	1157.3	1179.3	1196.3	1204.8	1208.2	1208.2
55°	972.3	1006.3	1043.6	1072.4	1097.9	1123.3	1145.4	1162.4	1170.9	1176.0	1179.3
57.5°	928.2	963.8	1002.9	1033.4	1064.0	1087.7	1108.1	1130.1	1136.9	1143.7	1145.4
60°	885.8	921.4	958.7	992.7	1023.2	1048.7	1072.4	1091.1	1103.0	1106.4	1109.8
62.5°	841.7	879.0	918.0	952.0	984.2	1014.7	1036.8	1053.8	1067.4	1072.4	1075.8
65°	799.2	838.3	877.3	912.9	946.9	977.4	999.5	1016.4	1030.0	1038.5	1040.2
67.5°	753.4	795.8	836.6	873.9	907.8	940.1	962.1	979.1	992.7	1002.9	1004.6
70°	711.0	755.1	795.8	836.6	870.5	902.8	926.5	943.5	958.7	965.5	968.9
72.5°	670.3	716.1	758.5	799.2	833.2	865.4	890.9	907.8	923.1	931.6	933.3
75°	631.2	677.1	722.9	761.9	797.5	829.8	855.2	873.9	887.5	896.0	899.4
77.5°	592.2	639.7	685.5	724.6	761.9	794.1	816.2	838.3	851.8	862.0	862.0
80°	553.2	602.4	649.9	688.9	726.3	755.1	780.6	802.6	816.2	826.4	826.4
82.5°	519.3	566.8	612.6	651.6	688.9	721.2	746.6	767.0	782.3	789.1	790.8
85°	480.2	532.8	575.2	617.7	653.3	683.9	709.3	731.4	744.9	751.7	755.1
87.5°	448.0	498.9	544.7	582.0	617.7	648.2	677.1	695.7	709.3	717.8	721.2
90°	417.4	466.6	512.5	549.8	587.1	616.0	643.1	661.8	677.1	683.9	687.2
92.5°	390.3	439.5	483.6	520.9	556.6	588.8	614.3	632.9	646.5	653.3	658.4
95°	364.8	412.3	454.8	495.5	529.4	558.3	585.4	604.1	619.4	624.5	629.6
97.5°	339.4	385.2	427.6	466.6	502.3	529.4	554.9	573.6	585.4	593.9	599.0
100°	317.3	361.4	402.2	439.5	473.4	498.9	526.0	543.0	554.9	561.7	568.5
102.5°	293.6	337.7	376.7	412.3	448.0	471.7	497.2	514.2	524.3	536.2	536.2
105°	273.2	313.9	353.0	386.9	417.4	446.3	468.3	485.3	497.2	505.7	505.7
107.5°	251.1	291.9	329.2	364.8	393.7	420.8	441.2	456.5	470.0	475.1	480.2
110°	234.2	269.8	307.1	341.1	368.2	393.7	414.0	431.0	442.9	448.0	451.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	213.8	251.1	285.1	317.3	344.5	368.2	388.6	402.2	414.0	420.8	422.5
115°	196.8	232.5	263.0	293.6	322.4	342.8	361.4	375.0	386.9	392.0	395.4
117.5°	181.6	213.8	244.4	269.8	297.0	319.0	337.7	349.6	359.7	366.5	369.9
120°	166.3	196.8	224.0	249.4	274.9	295.3	312.2	324.1	336.0	341.1	341.1
122.5°	151.0	179.9	205.3	229.1	252.8	271.5	290.2	300.4	310.5	315.6	315.6
125°	137.4	164.6	188.4	210.4	232.5	249.4	264.7	276.6	286.8	290.2	290.2
127.5°	123.9	149.3	171.4	191.7	210.4	227.4	242.7	254.5	263.0	266.4	266.4
130°	112.0	134.1	154.4	174.8	193.4	207.0	222.3	232.5	237.6	242.7	244.4
132.5°	100.1	120.5	139.1	156.1	174.8	188.4	200.2	210.4	215.5	220.6	222.3
135°	88.2	106.9	123.9	140.8	156.1	169.7	179.9	188.4	195.1	198.5	200.2
137.5°	74.7	95.0	110.3	123.9	140.8	151.0	162.9	168.0	174.8	178.2	178.2
140°	62.8	78.1	95.0	108.6	122.2	132.4	142.5	151.0	156.1	157.8	157.8
142.5°	50.9	64.5	78.1	95.0	106.9	115.4	125.6	132.4	135.8	137.4	139.1
145°	40.7	50.9	62.8	78.1	91.6	101.8	106.9	113.7	117.1	118.8	120.5
147.5°	30.5	40.7	50.9	61.1	74.7	84.8	89.9	96.7	100.1	101.8	101.8
150°	23.8	30.5	37.3	47.5	57.7	69.6	76.4	81.5	83.1	84.8	84.8
152.5°	17.0	23.8	28.8	35.6	42.4	52.6	62.8	66.2	67.9	69.6	69.6
155°	11.9	17.0	20.4	25.5	30.5	39.0	47.5	52.6	54.3	56.0	56.0
157.5°	8.5	11.9	13.6	18.7	22.1	25.5	32.2	40.7	42.4	42.4	42.4
160°	5.1	6.8	8.5	11.9	13.6	17.0	20.4	25.5	30.5	30.5	30.5
162.5°	3.4	5.1	5.1	6.8	6.8	10.2	11.9	13.6	18.7	20.4	20.4
165°	1.7	3.4	3.4	3.4	3.4	3.4	5.1	5.1	8.5	10.2	10.2
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1605.3	1608.7	1607.0	1607.0	1607.0	1610.4	1607.0	1591.7	1595.1	1598.5	1601.9
5°	1603.6	1605.3	1605.3	1603.6	1603.6	1607.0	1603.6	1588.3	1591.7	1595.1	1596.8
7.5°	1596.8	1598.5	1598.5	1598.5	1596.8	1600.2	1595.1	1581.5	1581.5	1584.9	1586.6
10°	1588.3	1591.7	1590.0	1588.3	1588.3	1588.3	1584.9	1569.6	1569.6	1571.3	1573.0
12.5°	1578.1	1578.1	1578.1	1576.4	1574.7	1574.7	1571.3	1556.1	1554.4	1557.8	1556.1
15°	1564.5	1567.9	1564.5	1562.8	1559.5	1559.5	1554.4	1539.1	1535.7	1537.4	1535.7
17.5°	1552.7	1554.4	1551.0	1547.6	1544.2	1542.5	1537.4	1520.4	1515.3	1517.0	1513.6
20°	1540.8	1540.8	1537.4	1534.0	1528.9	1523.8	1517.0	1500.1	1491.6	1491.6	1484.8
22.5°	1525.5	1525.5	1522.1	1517.0	1511.9	1505.2	1498.4	1481.4	1467.8	1464.4	1459.3
25°	1508.5	1506.8	1505.2	1500.1	1489.9	1483.1	1476.3	1457.6	1442.4	1435.6	1427.1
27.5°	1488.2	1488.2	1483.1	1478.0	1467.8	1459.3	1450.9	1433.9	1413.5	1405.0	1393.2
30°	1466.1	1466.1	1461.0	1454.2	1444.1	1433.9	1423.7	1403.3	1383.0	1371.1	1357.5
32.5°	1444.1	1442.4	1437.3	1430.5	1420.3	1405.0	1396.6	1376.2	1352.4	1338.9	1320.2
35°	1416.9	1415.2	1410.1	1401.6	1388.1	1376.2	1362.6	1343.9	1316.8	1299.8	1279.5
37.5°	1389.8	1388.1	1384.7	1372.8	1359.2	1345.6	1328.7	1310.0	1284.6	1262.5	1242.1
40°	1362.6	1360.9	1354.1	1345.6	1328.7	1311.7	1294.7	1276.1	1248.9	1223.5	1201.4
42.5°	1333.8	1332.1	1323.6	1313.4	1294.7	1277.8	1257.4	1237.0	1209.9	1179.3	1157.3
45°	1304.9	1301.5	1293.0	1281.2	1260.8	1242.1	1221.8	1198.0	1170.9	1142.0	1113.2
47.5°	1274.4	1269.3	1260.8	1243.8	1226.9	1206.5	1182.7	1157.3	1130.1	1097.9	1067.4
50°	1240.4	1237.0	1226.9	1211.6	1191.2	1170.9	1143.7	1118.3	1086.0	1055.5	1018.1
52.5°	1208.2	1201.4	1192.9	1176.0	1155.6	1133.5	1104.7	1074.1	1041.9	1013.1	974.0
55°	1174.3	1170.9	1159.0	1145.4	1120.0	1094.5	1067.4	1035.1	999.5	965.5	928.2
57.5°	1142.0	1135.2	1125.0	1106.4	1084.3	1058.9	1030.0	996.1	957.1	921.4	880.7
60°	1109.8	1099.6	1087.7	1070.7	1047.0	1019.8	989.3	953.7	914.6	875.6	833.2
62.5°	1074.1	1065.7	1052.1	1035.1	1011.4	982.5	950.3	912.9	875.6	834.9	789.1
65°	1038.5	1030.0	1016.4	999.5	975.7	943.5	909.5	872.2	829.8	790.8	741.5
67.5°	1002.9	994.4	979.1	960.4	936.7	906.1	870.5	831.5	789.1	746.6	695.7
70°	967.2	957.1	943.5	923.1	899.4	867.1	831.5	790.8	748.3	702.5	651.6
72.5°	931.6	923.1	906.1	887.5	862.0	829.8	794.1	753.4	709.3	661.8	610.9
75°	896.0	885.8	873.9	851.8	824.7	794.1	756.8	716.1	668.6	622.8	570.2
77.5°	860.3	851.8	836.6	814.5	789.1	756.8	719.5	678.8	631.2	583.7	527.7
80°	824.7	814.5	802.6	782.3	753.4	721.2	682.2	641.4	593.9	544.7	488.7
82.5°	789.1	778.9	765.3	744.9	717.8	685.5	648.2	604.1	556.6	505.7	453.1
85°	753.4	744.9	729.7	709.3	680.5	648.2	610.9	571.9	520.9	470.0	417.4
87.5°	717.8	709.3	694.0	673.7	646.5	614.3	576.9	536.2	487.0	439.5	381.8
90°	683.9	677.1	661.8	641.4	614.3	582.0	548.1	504.0	456.5	409.0	354.7
92.5°	653.3	646.5	632.9	612.6	588.8	553.2	519.3	476.8	429.3	380.1	327.5
95°	626.2	617.7	604.1	585.4	556.6	526.0	492.1	449.7	403.9	354.7	303.7
97.5°	595.6	587.1	573.6	553.2	529.4	497.2	463.3	422.5	376.7	330.9	280.0
100°	565.1	556.6	541.3	524.3	500.6	468.3	436.1	395.4	353.0	308.8	259.6
102.5°	534.5	526.0	512.5	495.5	471.7	442.9	410.7	371.6	329.2	285.1	239.3
105°	505.7	497.2	483.6	466.6	444.6	415.7	381.8	347.9	307.1	264.7	220.6
107.5°	476.8	468.3	456.5	439.5	417.4	390.3	358.0	322.4	285.1	244.4	201.9
110°	448.0	441.2	427.6	412.3	390.3	363.1	334.3	300.4	263.0	225.7	185.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	420.8	414.0	400.5	383.5	364.8	339.4	310.5	278.3	242.7	207.0	168.0
115°	393.7	385.2	373.3	358.0	339.4	315.6	288.5	259.6	224.0	190.1	154.4
117.5°	366.5	359.7	347.9	332.6	315.6	291.9	266.4	239.3	205.3	173.1	140.8
120°	339.4	334.3	322.4	308.8	291.9	269.8	246.1	218.9	188.4	157.8	127.3
122.5°	313.9	308.8	297.0	285.1	268.1	247.7	225.7	200.2	173.1	144.2	117.1
125°	290.2	283.4	273.2	261.3	246.1	227.4	205.3	181.6	156.1	130.7	105.2
127.5°	264.7	259.6	252.8	239.3	224.0	207.0	186.7	166.3	142.5	118.8	95.0
130°	244.4	237.6	229.1	218.9	205.3	188.4	169.7	149.3	129.0	106.9	83.1
132.5°	220.6	213.8	207.0	196.8	185.0	169.7	152.7	134.1	115.4	95.0	74.7
135°	198.5	193.4	186.7	176.5	164.6	152.7	135.8	118.8	101.8	83.1	66.2
137.5°	178.2	173.1	166.3	159.5	147.6	135.8	120.5	105.2	89.9	73.0	57.7
140°	157.8	154.4	147.6	140.8	130.7	118.8	105.2	91.6	78.1	62.8	49.2
142.5°	137.4	134.1	129.0	122.2	113.7	103.5	91.6	79.8	66.2	54.3	42.4
145°	118.8	117.1	112.0	105.2	98.4	88.2	78.1	67.9	56.0	45.8	33.9
147.5°	100.1	98.4	95.0	89.9	83.1	74.7	66.2	56.0	47.5	37.3	27.2
150°	83.1	81.5	79.8	73.0	69.6	61.1	54.3	45.8	39.0	28.8	22.1
152.5°	67.9	67.9	64.5	59.4	56.0	49.2	44.1	37.3	30.5	23.8	17.0
155°	54.3	52.6	50.9	47.5	44.1	39.0	33.9	28.8	23.8	17.0	11.9
157.5°	42.4	40.7	39.0	35.6	32.2	30.5	25.5	20.4	15.3	11.9	8.5
160°	30.5	28.8	27.2	25.5	23.8	20.4	17.0	13.6	10.2	6.8	5.1
162.5°	20.4	18.7	18.7	17.0	15.3	11.9	10.2	8.5	6.8	5.1	3.4
165°	10.2	10.2	8.5	8.5	6.8	5.1	5.1	5.1	3.4	3.4	1.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1600.2	1600.2	1607.0	1605.3	1600.2	1610.4	1622.2
5°	1595.1	1595.1	1600.2	1600.2	1595.1	1605.3	1615.5
7.5°	1586.6	1584.9	1590.0	1590.0	1583.2	1591.7	1603.6
10°	1571.3	1569.6	1574.7	1574.7	1567.9	1576.4	1586.6
12.5°	1554.4	1551.0	1556.1	1554.4	1547.6	1556.1	1566.2
15°	1532.3	1530.6	1534.0	1530.6	1523.8	1532.3	1542.5
17.5°	1510.2	1505.2	1506.8	1506.8	1495.0	1503.5	1511.9
20°	1481.4	1474.6	1476.3	1474.6	1466.1	1471.2	1481.4
22.5°	1452.5	1442.4	1442.4	1440.7	1430.5	1437.3	1445.8
25°	1416.9	1405.0	1405.0	1403.3	1391.5	1396.6	1405.0
27.5°	1381.3	1369.4	1364.3	1362.6	1350.7	1350.7	1362.6
30°	1343.9	1327.0	1323.6	1318.5	1306.6	1306.6	1316.8
32.5°	1308.3	1284.6	1277.8	1271.0	1259.1	1257.4	1269.3
35°	1260.8	1242.1	1230.3	1223.5	1209.9	1206.5	1216.7
37.5°	1221.8	1198.0	1181.0	1172.6	1159.0	1153.9	1167.5
40°	1179.3	1153.9	1131.8	1126.7	1106.4	1099.6	1111.5
42.5°	1131.8	1104.7	1082.6	1072.4	1057.2	1050.4	1052.1
45°	1084.3	1055.5	1031.7	1018.1	1002.9	991.0	997.8
47.5°	1035.1	1009.7	980.8	960.4	941.8	933.3	936.7
50°	985.9	955.4	928.2	906.1	884.1	873.9	880.7
52.5°	936.7	904.4	873.9	850.1	824.7	814.5	816.2
55°	889.2	855.2	819.6	794.1	770.4	755.1	751.7
57.5°	841.7	804.3	767.0	738.2	707.6	694.0	688.9
60°	790.8	751.7	712.7	678.8	646.5	631.2	624.5
62.5°	743.2	700.8	656.7	621.1	588.8	568.5	563.4
65°	697.4	648.2	604.1	563.4	527.7	505.7	498.9
67.5°	648.2	597.3	549.8	505.7	471.7	442.9	439.5
70°	602.4	548.1	495.5	449.7	412.3	383.5	369.9
72.5°	556.6	500.6	446.3	397.1	349.6	322.4	312.2
75°	512.5	454.8	397.1	346.2	293.6	261.3	251.1
77.5°	471.7	412.3	351.3	295.3	246.1	205.3	191.7
80°	432.7	371.6	307.1	249.4	196.8	152.7	137.4
82.5°	392.0	334.3	268.1	207.0	152.7	106.9	88.2
85°	356.3	298.7	232.5	171.4	117.1	67.9	47.5
87.5°	327.5	264.7	205.3	144.2	88.2	39.0	13.6
90°	298.7	237.6	178.2	118.8	66.2	22.1	1.7
92.5°	273.2	215.5	156.1	101.8	50.9	15.3	1.7
95°	249.4	193.4	137.4	84.8	40.7	10.2	1.7
97.5°	227.4	174.8	122.2	73.0	33.9	8.5	1.7
100°	208.7	157.8	108.6	64.5	28.8	6.8	1.7
102.5°	190.1	142.5	96.7	56.0	25.5	5.1	1.7
105°	174.8	129.0	86.5	50.9	22.1	5.1	1.7
107.5°	159.5	117.1	78.1	44.1	18.7	3.4	1.7
110°	144.2	106.9	69.6	39.0	17.0	3.4	1.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	132.4	96.7	62.8	35.6	13.6	3.4	1.7
115°	120.5	86.5	56.0	30.5	11.9	1.7	1.7
117.5°	108.6	78.1	49.2	27.2	10.2	1.7	1.7
120°	98.4	69.6	44.1	23.8	8.5	1.7	1.7
122.5°	88.2	62.8	39.0	20.4	6.8	1.7	1.7
125°	79.8	56.0	33.9	17.0	5.1	1.7	1.7
127.5°	71.3	49.2	30.5	15.3	5.1	1.7	1.7
130°	62.8	44.1	25.5	11.9	3.4	1.7	1.7
132.5°	56.0	37.3	22.1	10.2	3.4	1.7	1.7
135°	49.2	32.2	18.7	6.8	3.4	1.7	1.7
137.5°	42.4	27.2	15.3	5.1	1.7	1.7	1.7
140°	35.6	23.8	11.9	5.1	1.7	1.7	1.7
142.5°	30.5	18.7	8.5	3.4	1.7	1.7	1.7
145°	23.8	15.3	6.8	3.4	1.7	1.7	1.7
147.5°	18.7	11.9	5.1	3.4	1.7	1.7	1.7
150°	13.6	8.5	5.1	1.7	1.7	1.7	1.7
152.5°	10.2	6.8	3.4	1.7	1.7	1.7	1.7
155°	6.8	5.1	3.4	1.7	1.7	1.7	1.7
157.5°	5.1	3.4	1.7	1.7	1.7	1.7	1.7
160°	3.4	1.7	1.7	1.7	1.7	1.7	1.7
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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)