

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-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

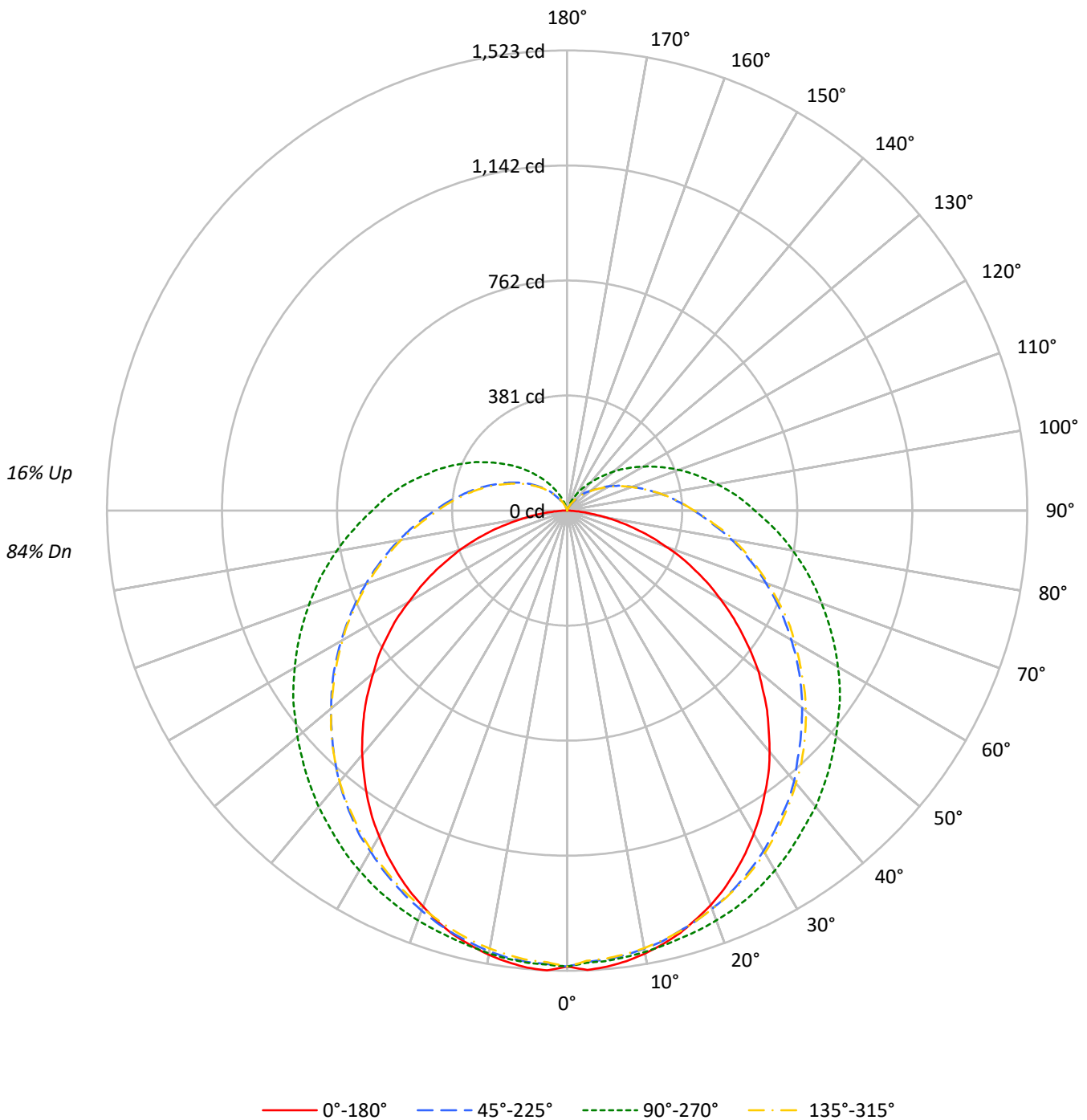
Lumens per Lamp: N/A
Luminaire Lumens: 6556.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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#
CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	6097	6097	6097	6097
5°	6138	5876	6151	5901
10°	6089	5709	6109	5727
15°	6027	5566	6054	5572
20°	5941	5461	5962	5461
25°	5833	5369	5868	5363
30°	5711	5274	5756	5274
35°	5569	5185	5631	5191
40°	5428	5133	5494	5133
45°	5266	5079	5347	5086
50°	5098	5047	5167	5061
55°	4859	5051	5012	5073
60°	4609	5067	4759	5098
65°	4329	5118	4521	5169
70°	3931	5212	4238	5286
75°	3475	5382	3804	5485
80°	2755	5635	3129	5765
85°	1754	6039	2191	6207



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	2.2
10°-20°	410.8	6.3
20°-30°	629.9	9.6
30°-40°	777.1	11.9
40°-50°	843.1	12.9
50°-60°	831.0	12.7
60°-70°	751.3	11.5
70°-80°	625.9	9.5
80°-90°	484.8	7.4
90°-100°	367.7	5.6
100°-110°	272.1	4.1
110°-120°	189.3	2.9
120°-130°	120.8	1.8
130°-140°	67.8	1.0
140°-150°	30.9	0.5
150°-160°	9.6	0.1
160°-170°	1.2	0.0
170°-180°	0.0	0.0
0°-30°	1183.7	18.1
0°-40°	1960.8	29.9
0°-60°	3634.8	55.4
0°-90°	5496.8	83.8
90°-120°	829.0	12.6
90°-150°	1048.4	16.0
90°-180°	1059.0	16.2
0°-180°	6556.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1509	1509	1509	1509	1509	
5°	1515	1496	1518	1503	1515	144
15°	1447	1464	1453	1466	1447	408
25°	1318	1415	1326	1414	1318	607
35°	1141	1328	1154	1329	1141	715
45°	936	1222	950	1224	936	721
55°	705	1102	727	1106	705	631
65°	468	966	489	976	468	464
75°	236	828	258	844	236	249
85°	45	689	56	708	45	54
90°	2	621	3	645	2	2
95°	2	564	2	590	2	1
105°	2	447	2	474	2	2
115°	2	341	2	371	2	2
125°	2	245	2	272	2	1
135°	2	159	2	188	2	1
145°	2	92	2	113	2	1
155°	2	38	2	52	2	1
165°	2	6	2	10	2	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0
2.5°	1521.7	1521.7	1520.1	1517.0	1518.5	1523.3	1520.1	1512.2	1507.4	1494.7	1497.9
5°	1515.4	1515.4	1513.8	1510.6	1512.2	1518.5	1515.4	1509.0	1502.6	1491.5	1496.3
7.5°	1504.2	1504.2	1502.6	1499.4	1502.6	1509.0	1505.8	1499.4	1494.7	1483.5	1488.3
10°	1488.3	1489.9	1488.3	1483.5	1489.9	1496.3	1494.7	1486.7	1481.9	1472.4	1477.2
12.5°	1469.2	1470.8	1469.2	1467.6	1470.8	1480.3	1477.2	1470.8	1467.6	1459.7	1464.4
15°	1446.9	1448.5	1445.3	1445.3	1448.5	1458.1	1458.1	1451.7	1448.5	1440.6	1450.1
17.5°	1418.3	1419.9	1418.3	1418.3	1421.5	1431.0	1432.6	1429.4	1426.2	1423.0	1432.6
20°	1389.6	1388.0	1388.0	1386.4	1392.8	1407.1	1405.5	1405.5	1402.4	1402.4	1413.5
22.5°	1356.2	1356.2	1354.6	1354.6	1362.6	1375.3	1375.3	1378.5	1375.3	1381.7	1391.2
25°	1318.0	1319.6	1318.0	1321.2	1327.5	1341.9	1343.5	1348.2	1349.8	1356.2	1367.3
27.5°	1278.2	1279.8	1278.2	1281.4	1292.5	1303.7	1311.6	1318.0	1319.6	1329.1	1343.5
30°	1235.2	1235.2	1236.8	1240.0	1252.7	1270.2	1276.6	1284.6	1284.6	1300.5	1314.8
32.5°	1190.6	1190.6	1190.6	1197.0	1211.3	1232.0	1240.0	1249.5	1252.7	1268.6	1284.6
35°	1141.3	1142.9	1142.9	1147.7	1166.8	1187.5	1198.6	1209.7	1216.1	1235.2	1251.1
37.5°	1095.1	1098.3	1093.5	1099.9	1127.0	1144.5	1157.2	1168.4	1179.5	1205.0	1217.7
40°	1042.6	1045.8	1044.2	1056.9	1079.2	1101.5	1115.8	1127.0	1142.9	1168.4	1182.7
42.5°	986.9	990.1	993.3	1007.6	1031.5	1053.8	1071.3	1085.6	1104.7	1127.0	1150.9
45°	936.0	936.0	940.7	958.2	983.7	1007.6	1028.3	1044.2	1066.5	1090.4	1114.2
47.5°	878.7	880.2	886.6	907.3	934.4	963.0	982.1	1002.8	1026.7	1052.2	1079.2
50°	826.1	826.1	835.7	858.0	883.4	915.3	936.0	959.8	985.3	1015.5	1042.6
52.5°	765.6	768.8	783.2	803.8	837.3	865.9	889.8	915.3	945.5	977.3	1007.6
55°	705.2	711.5	722.7	751.3	786.3	813.4	842.0	873.9	902.5	937.6	972.6
57.5°	646.3	651.0	668.5	697.2	733.8	767.2	797.5	827.7	862.7	897.8	934.4
60°	585.8	592.1	612.8	641.5	681.3	716.3	751.3	783.2	819.8	856.4	894.6
62.5°	528.5	533.2	557.1	590.5	630.3	668.5	703.6	741.8	781.6	816.6	854.8
65°	468.0	475.9	503.0	533.2	579.4	617.6	657.4	698.8	740.2	778.4	815.0
67.5°	412.3	417.0	445.7	480.7	526.9	569.9	611.2	655.8	698.8	738.6	775.2
70°	347.0	362.9	391.6	428.2	477.5	522.1	566.7	612.8	659.0	700.4	735.4
72.5°	292.9	305.6	337.5	377.2	425.0	477.5	523.7	573.0	619.2	662.2	698.8
75°	235.6	248.3	284.9	329.5	378.8	434.6	482.3	533.2	581.0	624.0	662.2
77.5°	179.9	195.8	235.6	281.7	335.9	393.2	442.5	493.4	542.8	589.0	627.2
80°	128.9	146.4	189.4	241.9	294.5	351.8	405.9	456.8	506.2	552.3	592.1
82.5°	82.8	101.9	148.0	200.6	256.3	313.6	369.3	420.2	469.6	515.7	557.1
85°	44.6	65.3	113.0	165.5	221.3	278.6	334.3	388.4	436.1	479.1	523.7
87.5°	12.7	38.2	84.4	136.9	194.2	246.7	300.8	355.0	402.7	448.9	488.7
90°	1.6	22.3	63.7	113.0	168.7	219.7	273.8	324.7	372.5	418.6	458.4
92.5°	1.6	14.3	49.3	93.9	144.9	197.4	251.5	300.8	345.4	391.6	431.4
95°	1.6	11.1	39.8	79.6	127.3	176.7	227.6	275.4	321.5	364.5	404.3
97.5°	1.6	8.0	31.8	68.4	111.4	157.6	206.9	254.7	299.3	340.6	377.2
100°	1.6	6.4	25.5	58.9	97.1	141.7	186.2	232.4	275.4	315.2	353.4
102.5°	1.6	4.8	22.3	49.3	86.0	125.7	168.7	211.7	253.1	291.3	329.5
105°	1.6	4.8	19.1	43.0	76.4	113.0	152.8	194.2	232.4	269.0	304.0
107.5°	1.6	3.2	15.9	36.6	66.9	101.9	138.5	178.3	213.3	248.3	281.7
110°	1.6	3.2	12.7	33.4	58.9	90.7	125.7	162.4	195.8	229.2	261.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.6	3.2	11.1	28.7	50.9	81.2	113.0	146.4	178.3	211.7	240.4
115°	1.6	3.2	9.6	25.5	47.8	70.0	101.9	132.1	164.0	194.2	221.3
117.5°	1.6	3.2	8.0	20.7	41.4	63.7	89.1	119.4	148.0	176.7	202.2
120°	1.6	3.2	6.4	19.1	36.6	57.3	79.6	106.6	133.7	160.8	187.8
122.5°	1.6	1.6	6.4	15.9	31.8	50.9	73.2	93.9	119.4	144.9	168.7
125°	1.6	1.6	6.4	14.3	27.1	46.2	65.3	84.4	106.6	128.9	149.6
127.5°	1.6	1.6	4.8	11.1	23.9	39.8	57.3	78.0	93.9	114.6	135.3
130°	1.6	1.6	4.8	9.6	20.7	33.4	50.9	68.4	87.5	101.9	119.4
132.5°	1.6	1.6	4.8	8.0	15.9	27.1	43.0	58.9	76.4	92.3	106.6
135°	1.6	1.6	3.2	6.4	12.7	22.3	35.0	49.3	66.9	82.8	97.1
137.5°	1.6	1.6	3.2	6.4	9.6	19.1	27.1	39.8	55.7	70.0	84.4
140°	1.6	1.6	3.2	4.8	8.0	14.3	22.3	31.8	44.6	57.3	73.2
142.5°	1.6	1.6	1.6	4.8	6.4	11.1	17.5	25.5	35.0	46.2	58.9
145°	1.6	1.6	1.6	4.8	6.4	8.0	14.3	20.7	27.1	35.0	46.2
147.5°	1.6	1.6	1.6	3.2	4.8	6.4	11.1	15.9	20.7	27.1	33.4
150°	1.6	1.6	1.6	3.2	4.8	6.4	8.0	11.1	15.9	22.3	27.1
152.5°	1.6	1.6	1.6	3.2	3.2	4.8	6.4	8.0	11.1	15.9	19.1
155°	1.6	1.6	1.6	1.6	3.2	4.8	6.4	6.4	8.0	11.1	14.3
157.5°	1.6	1.6	1.6	1.6	3.2	3.2	4.8	4.8	6.4	6.4	9.6
160°	1.6	1.6	1.6	1.6	1.6	3.2	3.2	4.8	4.8	4.8	4.8
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	4.8	4.8
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0
2.5°	1497.9	1499.4	1504.2	1504.2	1501.0	1501.0	1499.4	1497.9	1499.4	1502.6	1502.6
5°	1494.7	1496.3	1501.0	1502.6	1499.4	1497.9	1497.9	1496.3	1497.9	1501.0	1501.0
7.5°	1488.3	1489.9	1494.7	1496.3	1493.1	1493.1	1491.5	1489.9	1493.1	1494.7	1494.7
10°	1478.8	1480.3	1486.7	1488.3	1486.7	1485.1	1485.1	1483.5	1485.1	1488.3	1488.3
12.5°	1466.0	1469.2	1477.2	1477.2	1477.2	1475.6	1475.6	1474.0	1475.6	1478.8	1477.2
15°	1451.7	1458.1	1464.4	1467.6	1467.6	1467.6	1466.0	1464.4	1467.6	1469.2	1467.6
17.5°	1435.8	1443.7	1453.3	1456.5	1456.5	1458.1	1456.5	1454.9	1458.1	1458.1	1456.5
20°	1419.9	1427.8	1437.4	1440.6	1443.7	1445.3	1445.3	1443.7	1445.3	1446.9	1445.3
22.5°	1399.2	1408.7	1419.9	1424.6	1427.8	1431.0	1431.0	1431.0	1432.6	1434.2	1431.0
25°	1376.9	1388.0	1400.8	1405.5	1411.9	1413.5	1415.1	1415.1	1416.7	1418.3	1413.5
27.5°	1353.0	1365.7	1378.5	1386.4	1391.2	1394.4	1394.4	1396.0	1397.6	1399.2	1394.4
30°	1324.4	1343.5	1354.6	1361.0	1367.3	1372.1	1373.7	1375.3	1376.9	1378.5	1373.7
32.5°	1298.9	1314.8	1329.1	1337.1	1345.0	1351.4	1353.0	1353.0	1356.2	1356.2	1351.4
35°	1268.6	1287.7	1302.1	1310.0	1319.6	1324.4	1327.5	1327.5	1330.7	1330.7	1325.9
37.5°	1238.4	1257.5	1273.4	1283.0	1294.1	1300.5	1302.1	1302.1	1305.3	1305.3	1298.9
40°	1206.6	1227.3	1244.8	1255.9	1265.5	1273.4	1275.0	1279.8	1279.8	1278.2	1271.8
42.5°	1174.7	1193.8	1212.9	1225.7	1238.4	1246.4	1249.5	1251.1	1251.1	1249.5	1244.8
45°	1139.7	1162.0	1179.5	1195.4	1208.2	1216.1	1220.9	1222.5	1222.5	1219.3	1214.5
47.5°	1106.3	1128.6	1146.1	1163.6	1176.3	1185.9	1190.6	1192.2	1190.6	1189.1	1184.3
50°	1071.3	1096.7	1114.2	1131.7	1144.5	1152.4	1160.4	1162.0	1160.4	1158.8	1149.3
52.5°	1034.7	1061.7	1080.8	1098.3	1112.6	1122.2	1128.6	1130.2	1130.2	1127.0	1120.6
55°	998.0	1021.9	1045.8	1064.9	1080.8	1090.4	1098.3	1101.5	1098.3	1095.1	1087.2
57.5°	964.6	986.9	1010.8	1031.5	1047.4	1060.1	1066.5	1069.7	1066.5	1061.7	1053.8
60°	924.8	948.7	975.8	994.9	1012.4	1025.1	1028.3	1034.7	1031.5	1026.7	1018.7
62.5°	886.6	915.3	939.1	963.0	977.3	991.7	998.0	1001.2	998.0	993.3	985.3
65°	846.8	878.7	902.5	926.4	942.3	956.7	964.6	966.2	963.0	958.2	950.3
67.5°	810.2	840.5	865.9	891.4	905.7	920.0	928.0	931.2	928.0	921.6	913.7
70°	773.6	803.8	834.1	853.2	870.7	886.6	891.4	896.2	893.0	886.6	877.1
72.5°	737.0	768.8	799.1	818.2	837.3	851.6	858.0	862.7	859.6	853.2	842.0
75°	698.8	732.2	762.5	783.2	802.3	816.6	822.9	827.7	824.5	818.2	805.4
77.5°	663.8	697.2	725.8	748.1	767.2	780.0	791.1	792.7	789.5	783.2	770.4
80°	627.2	660.6	690.8	713.1	732.2	744.9	752.9	757.7	754.5	748.1	735.4
82.5°	595.3	625.6	655.8	678.1	697.2	713.1	719.5	724.3	722.7	713.1	703.6
85°	560.3	595.3	619.2	643.1	662.2	678.1	682.9	689.2	687.6	679.7	667.0
87.5°	525.3	560.3	589.0	612.8	630.3	643.1	651.0	654.2	652.6	644.7	630.3
90°	496.6	528.5	557.1	582.6	596.9	611.2	619.2	620.8	620.8	611.2	600.1
92.5°	469.6	499.8	528.5	552.3	569.9	582.6	589.0	592.1	590.5	582.6	569.9
95°	439.3	472.8	499.8	523.7	541.2	553.9	560.3	563.5	561.9	553.9	541.2
97.5°	413.9	444.1	471.2	493.4	511.0	523.7	530.1	533.2	533.2	525.3	512.6
100°	388.4	418.6	444.1	466.4	482.3	495.0	501.4	503.0	501.4	495.0	482.3
102.5°	362.9	391.6	417.0	437.7	455.2	466.4	472.8	474.3	474.3	466.4	453.7
105°	337.5	366.1	390.0	412.3	426.6	437.7	442.5	447.3	445.7	439.3	426.6
107.5°	313.6	342.2	364.5	385.2	399.5	410.7	415.5	420.2	418.6	412.3	399.5
110°	291.3	318.4	339.0	359.7	372.5	383.6	391.6	393.2	390.0	383.6	372.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	270.6	294.5	315.2	334.3	348.6	356.6	362.9	366.1	362.9	356.6	348.6
115°	248.3	272.2	292.9	310.4	323.1	332.7	337.5	340.6	337.5	331.1	323.1
117.5°	227.6	249.9	270.6	288.1	299.3	307.2	312.0	315.2	312.0	307.2	299.3
120°	210.1	229.2	248.3	264.2	277.0	283.3	288.1	291.3	289.7	283.3	275.4
122.5°	189.4	210.1	227.6	243.5	254.7	261.1	264.2	267.4	265.8	261.1	253.1
125°	171.9	189.4	206.9	221.3	232.4	238.8	241.9	245.1	243.5	238.8	229.2
127.5°	152.8	171.9	186.2	200.6	208.5	218.1	219.7	222.8	221.3	216.5	208.5
130°	138.5	152.8	167.1	179.9	189.4	195.8	199.0	200.6	197.4	194.2	186.2
132.5°	121.0	136.9	149.6	160.8	167.1	173.5	176.7	178.3	178.3	173.5	167.1
135°	108.2	119.4	130.5	141.7	148.0	154.4	157.6	159.2	157.6	154.4	148.0
137.5°	97.1	106.6	114.6	124.2	132.1	135.3	138.5	138.5	136.9	135.3	130.5
140°	84.4	95.5	103.5	109.8	116.2	117.8	121.0	121.0	119.4	117.8	114.6
142.5°	71.6	81.2	89.1	97.1	101.9	105.1	106.6	108.2	106.6	105.1	100.3
145°	57.3	68.4	76.4	81.2	87.5	89.1	90.7	92.3	90.7	89.1	84.4
147.5°	44.6	54.1	62.1	68.4	73.2	74.8	76.4	78.0	76.4	73.2	71.6
150°	31.8	39.8	49.3	55.7	58.9	62.1	62.1	62.1	63.7	60.5	57.3
152.5°	25.5	28.7	35.0	41.4	46.2	47.8	49.3	49.3	47.8	47.8	44.6
155°	17.5	20.7	25.5	30.2	35.0	36.6	38.2	38.2	36.6	36.6	35.0
157.5°	11.1	14.3	17.5	20.7	25.5	27.1	28.7	28.7	28.7	27.1	25.5
160°	6.4	8.0	9.6	12.7	15.9	17.5	19.1	19.1	19.1	19.1	17.5
162.5°	4.8	4.8	4.8	6.4	8.0	9.6	11.1	11.1	11.1	11.1	9.6
165°	3.2	3.2	3.2	3.2	3.2	4.8	6.4	6.4	6.4	6.4	6.4
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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0
2.5°	1501.0	1501.0	1502.6	1499.4	1489.9	1491.5	1491.5	1497.9	1501.0	1502.6	1510.6
5°	1497.9	1497.9	1501.0	1496.3	1488.3	1488.3	1488.3	1494.7	1496.3	1499.4	1505.8
7.5°	1493.1	1493.1	1494.7	1489.9	1480.3	1480.3	1478.8	1485.1	1488.3	1489.9	1496.3
10°	1485.1	1485.1	1486.7	1481.9	1470.8	1470.8	1469.2	1474.0	1475.6	1478.8	1483.5
12.5°	1474.0	1474.0	1474.0	1469.2	1458.1	1456.5	1454.9	1459.7	1459.7	1461.2	1466.0
15°	1464.4	1461.2	1461.2	1456.5	1445.3	1442.1	1439.0	1440.6	1443.7	1442.1	1445.3
17.5°	1453.3	1450.1	1446.9	1442.1	1427.8	1423.0	1419.9	1421.5	1419.9	1418.3	1421.5
20°	1440.6	1435.8	1434.2	1426.2	1411.9	1403.9	1397.6	1394.4	1396.0	1391.2	1392.8
22.5°	1426.2	1419.9	1416.7	1407.1	1392.8	1383.2	1375.3	1368.9	1367.3	1361.0	1362.6
25°	1408.7	1400.8	1396.0	1388.0	1372.1	1361.0	1351.4	1341.9	1337.1	1329.1	1327.5
27.5°	1388.0	1380.1	1373.7	1365.7	1349.8	1335.5	1324.4	1311.6	1305.3	1295.7	1290.9
30°	1367.3	1357.8	1348.2	1341.9	1324.4	1308.4	1290.9	1279.8	1270.2	1259.1	1251.1
32.5°	1341.9	1332.3	1322.8	1313.2	1297.3	1278.2	1263.9	1246.4	1235.2	1222.5	1212.9
35°	1316.4	1303.7	1294.1	1281.4	1267.0	1244.8	1227.3	1209.7	1195.4	1181.1	1170.0
37.5°	1287.7	1278.2	1263.9	1252.7	1235.2	1212.9	1193.8	1171.5	1158.8	1139.7	1125.4
40°	1260.7	1249.5	1235.2	1220.9	1203.4	1177.9	1157.2	1131.7	1117.4	1095.1	1080.8
42.5°	1233.6	1217.7	1203.4	1187.5	1168.4	1144.5	1119.0	1093.5	1074.4	1053.8	1033.1
45°	1203.4	1185.9	1168.4	1150.9	1131.7	1107.9	1080.8	1053.8	1029.9	1010.8	985.3
47.5°	1171.5	1154.0	1133.3	1114.2	1093.5	1069.7	1041.0	1012.4	986.9	964.6	937.6
50°	1139.7	1122.2	1099.9	1079.2	1055.3	1031.5	1001.2	967.8	940.7	912.1	888.2
52.5°	1106.3	1088.8	1068.1	1041.0	1015.5	991.7	959.8	924.8	894.6	870.7	840.5
55°	1072.9	1055.3	1031.5	1004.4	978.9	948.7	918.5	883.4	850.0	821.4	791.1
57.5°	1037.8	1021.9	994.9	972.6	940.7	908.9	877.1	843.6	807.0	773.6	738.6
60°	1002.8	985.3	959.8	932.8	900.9	869.1	835.7	799.1	760.9	724.3	692.4
62.5°	971.0	948.7	924.8	896.2	862.7	832.5	794.3	754.5	716.3	678.1	639.9
65°	934.4	910.5	888.2	859.6	824.5	789.5	751.3	711.5	670.1	628.7	590.5
67.5°	897.8	873.9	850.0	821.4	784.7	748.1	708.3	668.5	622.4	582.6	538.0
70°	861.1	842.0	811.8	781.6	748.1	708.3	668.5	625.6	577.8	534.8	488.7
72.5°	824.5	805.4	775.2	743.4	711.5	670.1	627.2	584.2	539.6	490.3	440.9
75°	789.5	765.6	738.6	708.3	674.9	631.9	589.0	544.4	491.9	445.7	394.8
77.5°	756.1	733.8	706.7	673.3	636.7	595.3	550.8	504.6	452.1	402.7	347.0
80°	719.5	697.2	670.1	636.7	600.1	560.3	512.6	464.8	413.9	359.7	302.4
82.5°	684.5	663.8	633.5	603.3	563.5	523.7	475.9	428.2	374.1	321.5	265.8
85°	647.9	627.2	598.5	566.7	528.5	485.5	440.9	393.2	339.0	284.9	229.2
87.5°	616.0	592.1	563.5	531.7	493.4	452.1	409.1	358.1	305.6	253.1	195.8
90°	582.6	560.3	531.7	499.8	461.6	420.2	375.7	327.9	277.0	222.8	168.7
92.5°	553.9	530.1	503.0	471.2	433.0	393.2	348.6	300.8	251.5	199.0	146.4
95°	525.3	501.4	475.9	444.1	405.9	366.1	321.5	275.4	227.6	176.7	127.3
97.5°	493.4	472.8	447.3	417.0	378.8	340.6	297.7	253.1	206.9	157.6	111.4
100°	468.0	444.1	420.2	388.4	353.4	316.8	273.8	230.8	186.2	140.1	97.1
102.5°	439.3	417.0	393.2	362.9	327.9	291.3	251.5	210.1	168.7	125.7	84.4
105°	412.3	391.6	366.1	337.5	304.0	269.0	230.8	192.6	152.8	111.4	74.8
107.5°	385.2	364.5	340.6	313.6	281.7	246.7	211.7	173.5	136.9	100.3	66.9
110°	358.1	339.0	316.8	289.7	259.5	227.6	194.2	159.2	122.6	89.1	58.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	334.3	315.2	292.9	267.4	238.8	208.5	176.7	143.3	109.8	79.6	50.9
115°	310.4	292.9	270.6	248.3	219.7	191.0	160.8	128.9	98.7	71.6	44.6
117.5°	286.5	269.0	248.3	226.0	200.6	173.5	144.9	114.6	89.1	63.7	39.8
120°	262.6	246.7	227.6	206.9	184.6	157.6	128.9	103.5	79.6	55.7	35.0
122.5°	240.4	226.0	208.5	189.4	165.5	140.1	116.2	93.9	71.6	49.3	28.7
125°	219.7	205.3	189.4	170.3	148.0	125.7	105.1	84.4	62.1	43.0	23.9
127.5°	199.0	184.6	168.7	151.2	133.7	113.0	93.9	74.8	55.7	38.2	20.7
130°	178.3	165.5	151.2	136.9	119.4	100.3	84.4	65.3	47.8	30.2	17.5
132.5°	157.6	148.0	135.3	121.0	105.1	90.7	73.2	57.3	41.4	27.1	15.9
135°	140.1	130.5	119.4	106.6	93.9	79.6	63.7	49.3	35.0	22.3	12.7
137.5°	124.2	116.2	105.1	93.9	82.8	68.4	55.7	41.4	28.7	19.1	9.6
140°	109.8	101.9	92.3	81.2	71.6	58.9	46.2	33.4	25.5	15.9	8.0
142.5°	95.5	87.5	79.6	70.0	60.5	49.3	38.2	28.7	20.7	12.7	8.0
145°	81.2	74.8	66.9	58.9	49.3	39.8	31.8	23.9	15.9	9.6	6.4
147.5°	66.9	62.1	54.1	47.8	39.8	31.8	25.5	19.1	12.7	8.0	4.8
150°	54.1	49.3	43.0	36.6	31.8	25.5	20.7	14.3	9.6	8.0	4.8
152.5°	41.4	38.2	33.4	30.2	25.5	19.1	14.3	11.1	8.0	6.4	3.2
155°	33.4	30.2	27.1	22.3	19.1	14.3	11.1	8.0	6.4	4.8	3.2
157.5°	23.9	22.3	19.1	15.9	12.7	9.6	8.0	8.0	4.8	3.2	1.6
160°	15.9	14.3	12.7	9.6	8.0	8.0	6.4	4.8	3.2	3.2	1.6
162.5°	9.6	8.0	8.0	8.0	6.4	6.4	4.8	3.2	3.2	1.6	1.6
165°	6.4	6.4	6.4	4.8	4.8	4.8	3.2	1.6	1.6	1.6	1.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0
2.5°	1510.6	1505.8	1512.2	1523.3	1524.9	1523.3	1520.1	1524.9	1531.3	1529.7	1518.5
5°	1507.4	1501.0	1507.4	1518.5	1518.5	1517.0	1515.4	1520.1	1526.5	1524.9	1515.4
7.5°	1497.9	1491.5	1497.9	1507.4	1509.0	1505.8	1505.8	1510.6	1517.0	1515.4	1507.4
10°	1485.1	1478.8	1481.9	1493.1	1496.3	1493.1	1493.1	1497.9	1505.8	1504.2	1494.7
12.5°	1466.0	1461.2	1464.4	1474.0	1477.2	1475.6	1474.0	1480.3	1488.3	1488.3	1478.8
15°	1445.3	1439.0	1442.1	1453.3	1454.9	1451.7	1453.3	1458.1	1467.6	1467.6	1459.7
17.5°	1421.5	1413.5	1418.3	1426.2	1427.8	1427.8	1427.8	1434.2	1445.3	1443.7	1437.4
20°	1394.4	1383.2	1386.4	1394.4	1397.6	1397.6	1397.6	1408.7	1416.7	1416.7	1410.3
22.5°	1362.6	1354.6	1354.6	1362.6	1367.3	1365.7	1365.7	1375.3	1386.4	1384.8	1384.8
25°	1325.9	1319.6	1316.4	1325.9	1327.5	1329.1	1332.3	1341.9	1354.6	1354.6	1356.2
27.5°	1287.7	1281.4	1279.8	1287.7	1289.3	1290.9	1294.1	1305.3	1318.0	1319.6	1322.8
30°	1251.1	1241.6	1238.4	1244.8	1247.9	1249.5	1249.5	1267.0	1278.2	1283.0	1289.3
32.5°	1208.2	1198.6	1190.6	1201.8	1203.4	1206.6	1208.2	1225.7	1238.4	1246.4	1255.9
35°	1165.2	1149.3	1146.1	1154.0	1157.2	1158.8	1162.0	1181.1	1198.6	1205.0	1217.7
37.5°	1117.4	1106.3	1096.7	1104.7	1107.9	1109.5	1119.0	1136.5	1154.0	1163.6	1176.3
40°	1072.9	1058.5	1050.6	1055.3	1058.5	1060.1	1071.3	1090.4	1111.1	1122.2	1138.1
42.5°	1023.5	1004.4	998.0	1002.8	1004.4	1009.2	1018.7	1044.2	1064.9	1080.8	1093.5
45°	974.2	959.8	945.5	950.3	951.9	955.1	969.4	996.4	1018.7	1037.8	1052.2
47.5°	923.2	905.7	891.4	894.6	900.9	902.5	918.5	950.3	971.0	991.7	1010.8
50°	872.3	848.4	837.3	837.3	840.5	848.4	869.1	900.9	923.2	947.1	967.8
52.5°	819.8	797.5	784.7	786.3	789.5	799.1	818.2	850.0	875.5	900.9	926.4
55°	767.2	743.4	730.6	727.4	730.6	743.4	765.6	799.1	824.5	854.8	881.8
57.5°	714.7	686.1	674.9	670.1	673.3	689.2	711.5	746.5	778.4	807.0	838.9
60°	657.4	635.1	616.0	604.9	612.8	633.5	657.4	694.0	727.4	759.3	794.3
62.5°	608.1	579.4	558.7	547.6	555.5	573.0	606.5	641.5	678.1	714.7	749.7
65°	552.3	523.7	499.8	488.7	496.6	517.3	550.8	589.0	628.7	665.4	706.7
67.5°	498.2	468.0	439.3	428.2	437.7	460.0	496.6	539.6	582.6	620.8	665.4
70°	445.7	412.3	382.0	374.1	380.4	410.7	445.7	488.7	533.2	577.8	624.0
72.5°	397.9	356.6	324.7	315.2	323.1	356.6	396.4	440.9	488.7	536.4	585.8
75°	342.2	304.0	269.0	257.9	267.4	297.7	347.0	394.8	445.7	496.6	542.8
77.5°	297.7	253.1	216.5	199.0	214.9	253.1	300.8	351.8	404.3	456.8	509.4
80°	251.5	205.3	165.5	146.4	164.0	205.3	253.1	308.8	367.7	420.2	468.0
82.5°	210.1	160.8	119.4	98.7	117.8	164.0	216.5	272.2	329.5	382.0	437.7
85°	171.9	121.0	78.0	55.7	82.8	124.2	179.9	237.2	296.1	350.2	404.3
87.5°	140.1	90.7	47.8	23.9	50.9	97.1	149.6	206.9	265.8	319.9	370.9
90°	114.6	65.3	25.5	3.2	30.2	73.2	124.2	179.9	235.6	291.3	342.2
92.5°	93.9	49.3	14.3	1.6	19.1	58.9	106.6	159.2	213.3	267.4	316.8
95°	78.0	38.2	9.6	1.6	14.3	46.2	90.7	141.7	192.6	245.1	294.5
97.5°	66.9	31.8	8.0	1.6	11.1	39.8	78.0	125.7	175.1	224.4	272.2
100°	57.3	25.5	6.4	1.6	9.6	33.4	68.4	111.4	157.6	205.3	251.5
102.5°	49.3	20.7	4.8	1.6	8.0	28.7	60.5	100.3	141.7	187.8	232.4
105°	43.0	17.5	4.8	1.6	6.4	25.5	54.1	89.1	130.5	171.9	214.9
107.5°	36.6	14.3	3.2	1.6	4.8	20.7	47.8	81.2	117.8	157.6	197.4
110°	31.8	12.7	3.2	1.6	4.8	19.1	41.4	73.2	106.6	143.3	181.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	27.1	9.6	3.2	1.6	3.2	15.9	36.6	65.3	97.1	130.5	167.1
115°	23.9	8.0	1.6	1.6	3.2	14.3	33.4	58.9	87.5	119.4	152.8
117.5°	19.1	6.4	1.6	1.6	1.6	11.1	28.7	52.5	79.6	109.8	140.1
120°	15.9	6.4	1.6	1.6	1.6	9.6	25.5	46.2	71.6	98.7	127.3
122.5°	14.3	4.8	1.6	1.6	1.6	8.0	22.3	41.4	63.7	89.1	116.2
125°	12.7	4.8	1.6	1.6	1.6	6.4	19.1	36.6	57.3	79.6	105.1
127.5°	9.6	4.8	1.6	1.6	1.6	4.8	17.5	31.8	50.9	71.6	93.9
130°	8.0	3.2	1.6	1.6	1.6	4.8	14.3	28.7	44.6	63.7	84.4
132.5°	6.4	3.2	1.6	1.6	1.6	3.2	11.1	22.3	38.2	55.7	74.8
135°	6.4	3.2	1.6	1.6	1.6	3.2	8.0	19.1	31.8	47.8	63.7
137.5°	6.4	1.6	1.6	1.6	1.6	3.2	6.4	14.3	25.5	38.2	52.5
140°	4.8	1.6	1.6	1.6	1.6	1.6	4.8	11.1	20.7	31.8	44.6
142.5°	4.8	1.6	1.6	1.6	1.6	1.6	4.8	8.0	15.9	25.5	35.0
145°	3.2	1.6	1.6	1.6	1.6	1.6	3.2	6.4	12.7	19.1	28.7
147.5°	3.2	1.6	1.6	1.6	1.6	1.6	3.2	4.8	9.6	15.9	22.3
150°	3.2	1.6	1.6	1.6	1.6	1.6	3.2	4.8	6.4	11.1	17.5
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	4.8	8.0	11.1
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	6.4	8.0
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	4.8	6.4
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	4.8
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0
2.5°	1513.8	1502.6	1505.8	1504.2	1507.4	1512.2	1512.2	1510.6	1510.6	1507.4	1504.2
5°	1510.6	1499.4	1504.2	1502.6	1505.8	1510.6	1510.6	1509.0	1509.0	1504.2	1502.6
7.5°	1501.0	1493.1	1496.3	1496.3	1499.4	1504.2	1504.2	1502.6	1502.6	1497.9	1496.3
10°	1491.5	1481.9	1486.7	1486.7	1489.9	1496.3	1496.3	1494.7	1494.7	1489.9	1488.3
12.5°	1475.6	1466.0	1474.0	1475.6	1478.8	1485.1	1483.5	1483.5	1483.5	1478.8	1477.2
15°	1456.5	1450.1	1458.1	1459.7	1464.4	1472.4	1472.4	1472.4	1472.4	1467.6	1466.0
17.5°	1435.8	1431.0	1439.0	1442.1	1448.5	1456.5	1456.5	1458.1	1459.7	1456.5	1454.9
20°	1411.9	1408.7	1416.7	1423.0	1432.6	1440.6	1443.7	1445.3	1448.5	1445.3	1443.7
22.5°	1384.8	1384.8	1396.0	1402.4	1413.5	1421.5	1426.2	1431.0	1434.2	1431.0	1429.4
25°	1354.6	1359.4	1370.5	1381.7	1394.4	1402.4	1407.1	1413.5	1416.7	1415.1	1413.5
27.5°	1325.9	1332.3	1346.6	1357.8	1368.9	1381.7	1386.4	1394.4	1397.6	1397.6	1396.0
30°	1292.5	1302.1	1318.0	1330.7	1345.0	1357.8	1364.1	1372.1	1376.9	1373.7	1375.3
32.5°	1260.7	1276.6	1289.3	1303.7	1319.6	1332.3	1340.3	1349.8	1354.6	1353.0	1354.6
35°	1225.7	1241.6	1259.1	1273.4	1292.5	1305.3	1316.4	1324.4	1330.7	1329.1	1329.1
37.5°	1187.5	1208.2	1225.7	1244.8	1262.3	1276.6	1287.7	1297.3	1303.7	1303.7	1303.7
40°	1150.9	1173.1	1190.6	1212.9	1235.2	1247.9	1260.7	1270.2	1276.6	1278.2	1279.8
42.5°	1111.1	1134.9	1155.6	1179.5	1201.8	1217.7	1232.0	1243.2	1249.5	1252.7	1251.1
45°	1074.4	1096.7	1120.6	1147.7	1168.4	1184.3	1201.8	1214.5	1220.9	1222.5	1224.1
47.5°	1033.1	1058.5	1085.6	1112.6	1133.3	1154.0	1170.0	1182.7	1189.1	1193.8	1193.8
50°	993.3	1020.3	1050.6	1079.2	1101.5	1122.2	1138.1	1152.4	1160.4	1163.6	1165.2
52.5°	956.7	982.1	1014.0	1042.6	1064.9	1085.6	1106.3	1122.2	1130.2	1133.3	1133.3
55°	912.1	943.9	978.9	1006.0	1029.9	1053.8	1074.4	1090.4	1098.3	1103.1	1106.3
57.5°	870.7	904.1	940.7	969.4	998.0	1020.3	1039.4	1060.1	1066.5	1072.9	1074.4
60°	830.9	864.3	899.4	931.2	959.8	983.7	1006.0	1023.5	1034.7	1037.8	1041.0
62.5°	789.5	824.5	861.1	893.0	923.2	951.9	972.6	988.5	1001.2	1006.0	1009.2
65°	749.7	786.3	822.9	856.4	888.2	916.9	937.6	953.5	966.2	974.2	975.8
67.5°	706.7	746.5	784.7	819.8	851.6	881.8	902.5	918.5	931.2	940.7	942.3
70°	667.0	708.3	746.5	784.7	816.6	846.8	869.1	885.0	899.4	905.7	908.9
72.5°	628.7	671.7	711.5	749.7	781.6	811.8	835.7	851.6	865.9	873.9	875.5
75°	592.1	635.1	678.1	714.7	748.1	778.4	802.3	819.8	832.5	840.5	843.6
77.5°	555.5	600.1	643.1	679.7	714.7	744.9	765.6	786.3	799.1	808.6	808.6
80°	518.9	565.1	609.6	646.3	681.3	708.3	732.2	752.9	765.6	775.2	775.2
82.5°	487.1	531.7	574.6	611.2	646.3	676.5	700.4	719.5	733.8	740.2	741.8
85°	450.5	499.8	539.6	579.4	612.8	641.5	665.4	686.1	698.8	705.2	708.3
87.5°	420.2	468.0	511.0	546.0	579.4	608.1	635.1	652.6	665.4	673.3	676.5
90°	391.6	437.7	480.7	515.7	550.8	577.8	603.3	620.8	635.1	641.5	644.7
92.5°	366.1	412.3	453.7	488.7	522.1	552.3	576.2	593.7	606.5	612.8	617.6
95°	342.2	386.8	426.6	464.8	496.6	523.7	549.2	566.7	581.0	585.8	590.5
97.5°	318.4	361.3	401.1	437.7	471.2	496.6	520.5	538.0	549.2	557.1	561.9
100°	297.7	339.0	377.2	412.3	444.1	468.0	493.4	509.4	520.5	526.9	533.2
102.5°	275.4	316.8	353.4	386.8	420.2	442.5	466.4	482.3	491.9	503.0	503.0
105°	256.3	294.5	331.1	362.9	391.6	418.6	439.3	455.2	466.4	474.3	474.3
107.5°	235.6	273.8	308.8	342.2	369.3	394.8	413.9	428.2	440.9	445.7	450.5
110°	219.7	253.1	288.1	319.9	345.4	369.3	388.4	404.3	415.5	420.2	423.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	200.6	235.6	267.4	297.7	323.1	345.4	364.5	377.2	388.4	394.8	396.4
115°	184.6	218.1	246.7	275.4	302.4	321.5	339.0	351.8	362.9	367.7	370.9
117.5°	170.3	200.6	229.2	253.1	278.6	299.3	316.8	327.9	337.5	343.8	347.0
120°	156.0	184.6	210.1	234.0	257.9	277.0	292.9	304.0	315.2	319.9	319.9
122.5°	141.7	168.7	192.6	214.9	237.2	254.7	272.2	281.7	291.3	296.1	296.1
125°	128.9	154.4	176.7	197.4	218.1	234.0	248.3	259.5	269.0	272.2	272.2
127.5°	116.2	140.1	160.8	179.9	197.4	213.3	227.6	238.8	246.7	249.9	249.9
130°	105.1	125.7	144.9	164.0	181.5	194.2	208.5	218.1	222.8	227.6	229.2
132.5°	93.9	113.0	130.5	146.4	164.0	176.7	187.8	197.4	202.2	206.9	208.5
135°	82.8	100.3	116.2	132.1	146.4	159.2	168.7	176.7	183.1	186.2	187.8
137.5°	70.0	89.1	103.5	116.2	132.1	141.7	152.8	157.6	164.0	167.1	167.1
140°	58.9	73.2	89.1	101.9	114.6	124.2	133.7	141.7	146.4	148.0	148.0
142.5°	47.8	60.5	73.2	89.1	100.3	108.2	117.8	124.2	127.3	128.9	130.5
145°	38.2	47.8	58.9	73.2	86.0	95.5	100.3	106.6	109.8	111.4	113.0
147.5°	28.7	38.2	47.8	57.3	70.0	79.6	84.4	90.7	93.9	95.5	95.5
150°	22.3	28.7	35.0	44.6	54.1	65.3	71.6	76.4	78.0	79.6	79.6
152.5°	15.9	22.3	27.1	33.4	39.8	49.3	58.9	62.1	63.7	65.3	65.3
155°	11.1	15.9	19.1	23.9	28.7	36.6	44.6	49.3	50.9	52.5	52.5
157.5°	8.0	11.1	12.7	17.5	20.7	23.9	30.2	38.2	39.8	39.8	39.8
160°	4.8	6.4	8.0	11.1	12.7	15.9	19.1	23.9	28.7	28.7	28.7
162.5°	3.2	4.8	4.8	6.4	6.4	9.6	11.1	12.7	17.5	19.1	19.1
165°	1.6	3.2	3.2	3.2	3.2	3.2	4.8	4.8	8.0	9.6	9.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0
2.5°	1505.8	1509.0	1507.4	1507.4	1507.4	1510.6	1507.4	1493.1	1496.3	1499.4	1502.6
5°	1504.2	1505.8	1505.8	1504.2	1504.2	1507.4	1504.2	1489.9	1493.1	1496.3	1497.9
7.5°	1497.9	1499.4	1499.4	1499.4	1497.9	1501.0	1496.3	1483.5	1483.5	1486.7	1488.3
10°	1489.9	1493.1	1491.5	1489.9	1489.9	1489.9	1486.7	1472.4	1472.4	1474.0	1475.6
12.5°	1480.3	1480.3	1480.3	1478.8	1477.2	1477.2	1474.0	1459.7	1458.1	1461.2	1459.7
15°	1467.6	1470.8	1467.6	1466.0	1462.8	1462.8	1458.1	1443.7	1440.6	1442.1	1440.6
17.5°	1456.5	1458.1	1454.9	1451.7	1448.5	1446.9	1442.1	1426.2	1421.5	1423.0	1419.9
20°	1445.3	1445.3	1442.1	1439.0	1434.2	1429.4	1423.0	1407.1	1399.2	1399.2	1392.8
22.5°	1431.0	1431.0	1427.8	1423.0	1418.3	1411.9	1405.5	1389.6	1376.9	1373.7	1368.9
25°	1415.1	1413.5	1411.9	1407.1	1397.6	1391.2	1384.8	1367.3	1353.0	1346.6	1338.7
27.5°	1396.0	1396.0	1391.2	1386.4	1376.9	1368.9	1361.0	1345.0	1325.9	1318.0	1306.8
30°	1375.3	1375.3	1370.5	1364.1	1354.6	1345.0	1335.5	1316.4	1297.3	1286.2	1273.4
32.5°	1354.6	1353.0	1348.2	1341.9	1332.3	1318.0	1310.0	1290.9	1268.6	1255.9	1238.4
35°	1329.1	1327.5	1322.8	1314.8	1302.1	1290.9	1278.2	1260.7	1235.2	1219.3	1200.2
37.5°	1303.7	1302.1	1298.9	1287.7	1275.0	1262.3	1246.4	1228.8	1205.0	1184.3	1165.2
40°	1278.2	1276.6	1270.2	1262.3	1246.4	1230.4	1214.5	1197.0	1171.5	1147.7	1127.0
42.5°	1251.1	1249.5	1241.6	1232.0	1214.5	1198.6	1179.5	1160.4	1134.9	1106.3	1085.6
45°	1224.1	1220.9	1212.9	1201.8	1182.7	1165.2	1146.1	1123.8	1098.3	1071.3	1044.2
47.5°	1195.4	1190.6	1182.7	1166.8	1150.9	1131.7	1109.5	1085.6	1060.1	1029.9	1001.2
50°	1163.6	1160.4	1150.9	1136.5	1117.4	1098.3	1072.9	1049.0	1018.7	990.1	955.1
52.5°	1133.3	1127.0	1119.0	1103.1	1084.0	1063.3	1036.2	1007.6	977.3	950.3	913.7
55°	1101.5	1098.3	1087.2	1074.4	1050.6	1026.7	1001.2	971.0	937.6	905.7	870.7
57.5°	1071.3	1064.9	1055.3	1037.8	1017.1	993.3	966.2	934.4	897.8	864.3	826.1
60°	1041.0	1031.5	1020.3	1004.4	982.1	956.7	928.0	894.6	858.0	821.4	781.6
62.5°	1007.6	999.6	986.9	971.0	948.7	921.6	891.4	856.4	821.4	783.2	740.2
65°	974.2	966.2	953.5	937.6	915.3	885.0	853.2	818.2	778.4	741.8	695.6
67.5°	940.7	932.8	918.5	900.9	878.7	850.0	816.6	780.0	740.2	700.4	652.6
70°	907.3	897.8	885.0	865.9	843.6	813.4	780.0	741.8	702.0	659.0	611.2
72.5°	873.9	865.9	850.0	832.5	808.6	778.4	744.9	706.7	665.4	620.8	573.0
75°	840.5	830.9	819.8	799.1	773.6	744.9	709.9	671.7	627.2	584.2	534.8
77.5°	807.0	799.1	784.7	764.1	740.2	709.9	674.9	636.7	592.1	547.6	495.0
80°	773.6	764.1	752.9	733.8	706.7	676.5	639.9	601.7	557.1	511.0	458.4
82.5°	740.2	730.6	717.9	698.8	673.3	643.1	608.1	566.7	522.1	474.3	425.0
85°	706.7	698.8	684.5	665.4	638.3	608.1	573.0	536.4	488.7	440.9	391.6
87.5°	673.3	665.4	651.0	631.9	606.5	576.2	541.2	503.0	456.8	412.3	358.1
90°	641.5	635.1	620.8	601.7	576.2	546.0	514.1	472.8	428.2	383.6	332.7
92.5°	612.8	606.5	593.7	574.6	552.3	518.9	487.1	447.3	402.7	356.6	307.2
95°	587.4	579.4	566.7	549.2	522.1	493.4	461.6	421.8	378.8	332.7	284.9
97.5°	558.7	550.8	538.0	518.9	496.6	466.4	434.6	396.4	353.4	310.4	262.6
100°	530.1	522.1	507.8	491.9	469.6	439.3	409.1	370.9	331.1	289.7	243.5
102.5°	501.4	493.4	480.7	464.8	442.5	415.5	385.2	348.6	308.8	267.4	224.4
105°	474.3	466.4	453.7	437.7	417.0	390.0	358.1	326.3	288.1	248.3	206.9
107.5°	447.3	439.3	428.2	412.3	391.6	366.1	335.9	302.4	267.4	229.2	189.4
110°	420.2	413.9	401.1	386.8	366.1	340.6	313.6	281.7	246.7	211.7	173.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	394.8	388.4	375.7	359.7	342.2	318.4	291.3	261.1	227.6	194.2	157.6
115°	369.3	361.3	350.2	335.9	318.4	296.1	270.6	243.5	210.1	178.3	144.9
117.5°	343.8	337.5	326.3	312.0	296.1	273.8	249.9	224.4	192.6	162.4	132.1
120°	318.4	313.6	302.4	289.7	273.8	253.1	230.8	205.3	176.7	148.0	119.4
122.5°	294.5	289.7	278.6	267.4	251.5	232.4	211.7	187.8	162.4	135.3	109.8
125°	272.2	265.8	256.3	245.1	230.8	213.3	192.6	170.3	146.4	122.6	98.7
127.5°	248.3	243.5	237.2	224.4	210.1	194.2	175.1	156.0	133.7	111.4	89.1
130°	229.2	222.8	214.9	205.3	192.6	176.7	159.2	140.1	121.0	100.3	78.0
132.5°	206.9	200.6	194.2	184.6	173.5	159.2	143.3	125.7	108.2	89.1	70.0
135°	186.2	181.5	175.1	165.5	154.4	143.3	127.3	111.4	95.5	78.0	62.1
137.5°	167.1	162.4	156.0	149.6	138.5	127.3	113.0	98.7	84.4	68.4	54.1
140°	148.0	144.9	138.5	132.1	122.6	111.4	98.7	86.0	73.2	58.9	46.2
142.5°	128.9	125.7	121.0	114.6	106.6	97.1	86.0	74.8	62.1	50.9	39.8
145°	111.4	109.8	105.1	98.7	92.3	82.8	73.2	63.7	52.5	43.0	31.8
147.5°	93.9	92.3	89.1	84.4	78.0	70.0	62.1	52.5	44.6	35.0	25.5
150°	78.0	76.4	74.8	68.4	65.3	57.3	50.9	43.0	36.6	27.1	20.7
152.5°	63.7	63.7	60.5	55.7	52.5	46.2	41.4	35.0	28.7	22.3	15.9
155°	50.9	49.3	47.8	44.6	41.4	36.6	31.8	27.1	22.3	15.9	11.1
157.5°	39.8	38.2	36.6	33.4	30.2	28.7	23.9	19.1	14.3	11.1	8.0
160°	28.7	27.1	25.5	23.9	22.3	19.1	15.9	12.7	9.6	6.4	4.8
162.5°	19.1	17.5	17.5	15.9	14.3	11.1	9.6	8.0	6.4	4.8	3.2
165°	9.6	9.6	8.0	8.0	6.4	4.8	4.8	4.8	3.2	3.2	1.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0	1509.0
2.5°	1501.0	1501.0	1507.4	1505.8	1501.0	1510.6	1521.7
5°	1496.3	1496.3	1501.0	1501.0	1496.3	1505.8	1515.4
7.5°	1488.3	1486.7	1491.5	1491.5	1485.1	1493.1	1504.2
10°	1474.0	1472.4	1477.2	1477.2	1470.8	1478.8	1488.3
12.5°	1458.1	1454.9	1459.7	1458.1	1451.7	1459.7	1469.2
15°	1437.4	1435.8	1439.0	1435.8	1429.4	1437.4	1446.9
17.5°	1416.7	1411.9	1413.5	1413.5	1402.4	1410.3	1418.3
20°	1389.6	1383.2	1384.8	1383.2	1375.3	1380.1	1389.6
22.5°	1362.6	1353.0	1353.0	1351.4	1341.9	1348.2	1356.2
25°	1329.1	1318.0	1318.0	1316.4	1305.3	1310.0	1318.0
27.5°	1295.7	1284.6	1279.8	1278.2	1267.0	1267.0	1278.2
30°	1260.7	1244.8	1241.6	1236.8	1225.7	1225.7	1235.2
32.5°	1227.3	1205.0	1198.6	1192.2	1181.1	1179.5	1190.6
35°	1182.7	1165.2	1154.0	1147.7	1134.9	1131.7	1141.3
37.5°	1146.1	1123.8	1107.9	1099.9	1087.2	1082.4	1095.1
40°	1106.3	1082.4	1061.7	1056.9	1037.8	1031.5	1042.6
42.5°	1061.7	1036.2	1015.5	1006.0	991.7	985.3	986.9
45°	1017.1	990.1	967.8	955.1	940.7	929.6	936.0
47.5°	971.0	947.1	920.0	900.9	883.4	875.5	878.7
50°	924.8	896.2	870.7	850.0	829.3	819.8	826.1
52.5°	878.7	848.4	819.8	797.5	773.6	764.1	765.6
55°	834.1	802.3	768.8	744.9	722.7	708.3	705.2
57.5°	789.5	754.5	719.5	692.4	663.8	651.0	646.3
60°	741.8	705.2	668.5	636.7	606.5	592.1	585.8
62.5°	697.2	657.4	616.0	582.6	552.3	533.2	528.5
65°	654.2	608.1	566.7	528.5	495.0	474.3	468.0
67.5°	608.1	560.3	515.7	474.3	442.5	415.5	412.3
70°	565.1	514.1	464.8	421.8	386.8	359.7	347.0
72.5°	522.1	469.6	418.6	372.5	327.9	302.4	292.9
75°	480.7	426.6	372.5	324.7	275.4	245.1	235.6
77.5°	442.5	386.8	329.5	277.0	230.8	192.6	179.9
80°	405.9	348.6	288.1	234.0	184.6	143.3	128.9
82.5°	367.7	313.6	251.5	194.2	143.3	100.3	82.8
85°	334.3	280.2	218.1	160.8	109.8	63.7	44.6
87.5°	307.2	248.3	192.6	135.3	82.8	36.6	12.7
90°	280.2	222.8	167.1	111.4	62.1	20.7	1.6
92.5°	256.3	202.2	146.4	95.5	47.8	14.3	1.6
95°	234.0	181.5	128.9	79.6	38.2	9.6	1.6
97.5°	213.3	164.0	114.6	68.4	31.8	8.0	1.6
100°	195.8	148.0	101.9	60.5	27.1	6.4	1.6
102.5°	178.3	133.7	90.7	52.5	23.9	4.8	1.6
105°	164.0	121.0	81.2	47.8	20.7	4.8	1.6
107.5°	149.6	109.8	73.2	41.4	17.5	3.2	1.6
110°	135.3	100.3	65.3	36.6	15.9	3.2	1.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	124.2	90.7	58.9	33.4	12.7	3.2	1.6
115°	113.0	81.2	52.5	28.7	11.1	1.6	1.6
117.5°	101.9	73.2	46.2	25.5	9.6	1.6	1.6
120°	92.3	65.3	41.4	22.3	8.0	1.6	1.6
122.5°	82.8	58.9	36.6	19.1	6.4	1.6	1.6
125°	74.8	52.5	31.8	15.9	4.8	1.6	1.6
127.5°	66.9	46.2	28.7	14.3	4.8	1.6	1.6
130°	58.9	41.4	23.9	11.1	3.2	1.6	1.6
132.5°	52.5	35.0	20.7	9.6	3.2	1.6	1.6
135°	46.2	30.2	17.5	6.4	3.2	1.6	1.6
137.5°	39.8	25.5	14.3	4.8	1.6	1.6	1.6
140°	33.4	22.3	11.1	4.8	1.6	1.6	1.6
142.5°	28.7	17.5	8.0	3.2	1.6	1.6	1.6
145°	22.3	14.3	6.4	3.2	1.6	1.6	1.6
147.5°	17.5	11.1	4.8	3.2	1.6	1.6	1.6
150°	12.7	8.0	4.8	1.6	1.6	1.6	1.6
152.5°	9.6	6.4	3.2	1.6	1.6	1.6	1.6
155°	6.4	4.8	3.2	1.6	1.6	1.6	1.6
157.5°	4.8	3.2	1.6	1.6	1.6	1.6	1.6
160°	3.2	1.6	1.6	1.6	1.6	1.6	1.6
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)