

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-LD5-127SL-LC-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

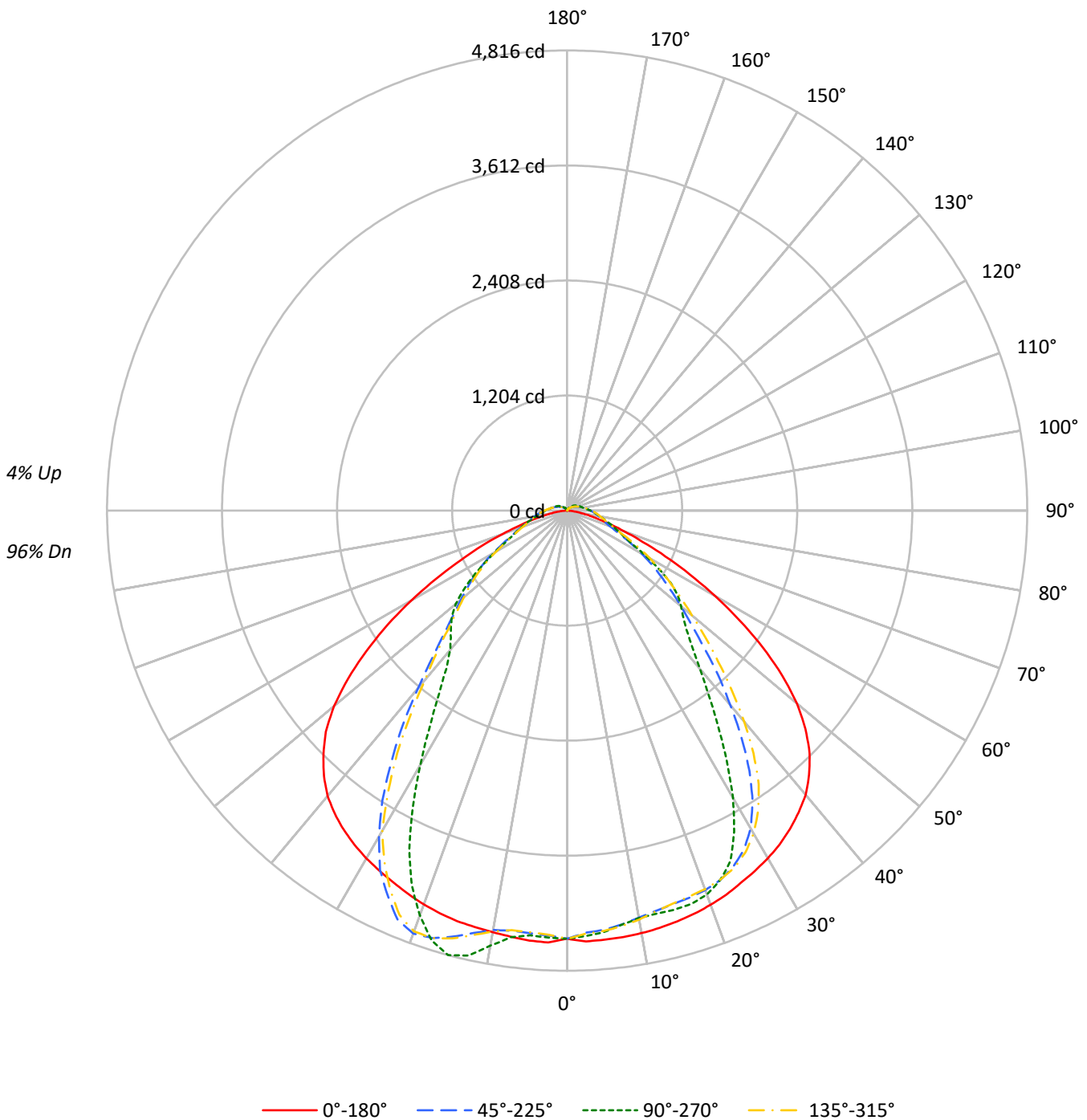
Lumens per Lamp: N/A
Luminaire Lumens: 10681.0 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 103
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18103	18103	18103	18103
5°	18260	17386	18297	17522
10°	18370	16662	18332	17793
15°	18538	16440	18529	18304
20°	18770	16179	18750	17054
25°	19031	15348	19021	14830
30°	19422	13302	19433	11785
35°	19840	10757	19896	9103
40°	20217	8661	20302	7630
45°	20195	7336	20299	7144
50°	19380	6754	19651	6604
55°	17254	6071	17685	5519
60°	14057	4646	14804	4261
65°	10512	3555	11325	3371
70°	7209	3069	8126	2934
75°	4779	2769	5564	2618
80°	3166	2581	3711	2375
85°	1731	2575	2277	2353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.6	4.0
10°-20°	1266.3	11.9
20°-30°	1925.1	18.0
30°-40°	2065.1	19.3
40°-50°	1792.3	16.8
50°-60°	1328.3	12.4
60°-70°	761.1	7.1
70°-80°	421.5	3.9
80°-90°	256.6	2.4
90°-100°	166.9	1.6
100°-110°	111.8	1.0
110°-120°	75.5	0.7
120°-130°	46.3	0.4
130°-140°	24.4	0.2
140°-150°	11.1	0.1
150°-160°	3.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3616.9	33.9
0°-40°	5682.1	53.2
0°-60°	8802.7	82.4
0°-90°	10241.9	95.9
90°-120°	354.1	3.3
90°-150°	435.9	4.1
90°-180°	439.0	4.1
0°-180°	10681.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4480	4480	4480	4480	4480	
5°	4508	4427	4517	4462	4508	430
15°	4450	4325	4448	4816	4450	1259
25°	4300	4045	4298	3909	4300	1988
35°	4066	2754	4078	2330	4066	2545
45°	3589	1766	3608	1720	3589	2748
55°	2504	1324	2566	1203	2504	2221
65°	1136	671	1224	636	1136	1146
75°	324	426	377	403	324	370
85°	44	294	58	268	44	58
90°	0	245	5	227	0	2
95°	2	201	0	192	2	2
105°	2	150	2	144	2	2
115°	2	123	2	111	2	2
125°	2	93	2	76	2	2
135°	2	58	2	49	2	2
145°	2	35	5	28	2	2
155°	5	16	5	14	5	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4
2.5°	4512.8	4501.2	4496.6	4487.4	4494.3	4522.1	4503.6	4473.5	4475.8	4422.6	4450.3
5°	4508.2	4494.3	4487.4	4478.1	4482.7	4508.2	4489.7	4459.6	4457.3	4404.0	4429.5
7.5°	4501.2	4487.4	4475.8	4468.8	4471.2	4492.0	4468.8	4434.1	4427.2	4369.3	4392.5
10°	4489.7	4480.4	4464.2	4452.6	4450.3	4473.5	4436.4	4401.7	4385.5	4325.4	4348.5
12.5°	4473.5	4459.6	4443.4	4422.6	4420.2	4434.1	4404.0	4355.4	4339.2	4290.6	4316.1
15°	4450.3	4434.1	4415.6	4392.5	4380.9	4390.2	4353.1	4309.2	4306.8	4265.2	4299.9
17.5°	4424.9	4401.7	4380.9	4348.5	4332.3	4339.2	4309.2	4269.8	4274.4	4249.0	4288.3
20°	4390.2	4364.7	4332.3	4299.9	4276.8	4288.3	4267.5	4237.4	4244.4	4225.8	4260.6
22.5°	4350.8	4316.1	4276.8	4239.7	4221.2	4237.4	4221.2	4195.8	4198.1	4186.5	4207.3
25°	4299.9	4260.6	4214.3	4168.0	4158.7	4170.3	4161.0	4140.2	4131.0	4112.4	4121.7
27.5°	4253.6	4209.6	4151.8	4103.2	4087.0	4110.1	4089.3	4054.6	4029.1	4003.7	3985.2
30°	4200.4	4147.2	4082.4	4026.8	4012.9	4022.2	3992.1	3938.9	3871.8	3839.4	3788.4
32.5°	4142.5	4073.1	3992.1	3929.6	3920.4	3913.4	3857.9	3781.5	3677.4	3612.6	3533.9
35°	4066.2	3989.8	3892.6	3816.2	3802.3	3763.0	3672.7	3570.9	3436.7	3325.6	3191.4
37.5°	3980.5	3890.3	3788.4	3686.6	3647.3	3568.6	3441.3	3334.8	3131.2	2997.0	2835.0
40°	3883.3	3774.6	3649.6	3526.9	3462.1	3334.8	3189.1	3031.7	2835.0	2654.5	2517.9
42.5°	3749.1	3633.4	3485.3	3348.7	3237.7	3068.7	2897.5	2675.3	2494.8	2342.0	2203.2
45°	3589.4	3450.6	3279.3	3115.0	2973.8	2772.5	2571.1	2349.0	2198.5	2020.3	1925.5
47.5°	3383.4	3233.0	3050.2	2867.4	2682.2	2460.1	2249.5	2036.5	1886.1	1758.8	1689.4
50°	3140.5	3001.6	2800.3	2582.7	2379.1	2147.6	1937.0	1777.4	1631.6	1552.9	1499.6
52.5°	2839.6	2710.0	2504.0	2268.0	2071.3	1844.5	1652.4	1522.8	1418.6	1360.8	1342.3
55°	2504.0	2390.6	2187.0	1967.1	1765.8	1557.5	1411.7	1298.3	1231.2	1196.5	1198.8
57.5°	2145.3	2057.4	1865.3	1668.6	1478.8	1321.4	1189.5	1099.3	1048.4	1046.0	1053.0
60°	1786.6	1721.8	1555.2	1386.2	1219.6	1092.3	995.1	932.6	900.2	902.6	900.2
62.5°	1444.1	1383.9	1263.6	1124.7	992.8	907.2	819.2	793.8	766.0	763.7	763.7
65°	1136.3	1090.0	992.8	893.3	793.8	738.2	694.3	664.2	643.4	638.7	641.1
67.5°	854.0	835.4	768.3	701.2	638.7	604.0	567.0	560.1	543.9	543.9	548.5
70°	636.4	622.5	585.5	546.2	520.7	497.6	479.1	479.1	476.7	474.4	486.0
72.5°	460.5	462.9	451.3	421.2	418.9	414.3	409.6	416.6	418.9	425.8	439.7
75°	324.0	330.9	330.9	326.3	335.6	347.1	354.1	365.7	379.5	388.8	405.0
77.5°	229.1	229.1	240.7	254.6	273.1	293.9	312.4	328.6	347.1	358.7	372.6
80°	148.1	155.1	173.6	199.0	224.5	252.3	277.7	298.5	317.1	335.6	344.8
82.5°	87.9	99.5	122.7	155.1	187.5	222.2	247.6	273.1	293.9	312.4	319.4
85°	44.0	60.2	87.9	122.7	157.4	194.4	226.8	249.9	273.1	289.3	298.5
87.5°	13.9	32.4	62.5	94.9	131.9	168.9	203.7	229.1	249.9	263.8	273.1
90°	0.0	16.2	44.0	78.7	113.4	150.4	182.8	210.6	231.4	243.0	249.9
92.5°	0.0	9.3	34.7	64.8	97.2	134.2	166.6	192.1	210.6	222.2	226.8
95°	2.3	6.9	25.5	53.2	85.6	120.3	150.4	173.6	192.1	203.7	206.0
97.5°	2.3	4.6	20.8	44.0	74.1	106.5	136.5	159.7	173.6	185.1	187.5
100°	2.3	4.6	16.2	39.3	64.8	94.9	122.7	143.5	159.7	168.9	171.3
102.5°	2.3	2.3	13.9	32.4	57.9	83.3	108.8	129.6	143.5	152.7	157.4
105°	2.3	2.3	11.6	27.8	50.9	74.1	97.2	118.0	129.6	138.9	143.5
107.5°	2.3	2.3	9.3	23.1	44.0	64.8	87.9	104.1	118.0	127.3	131.9
110°	2.3	2.3	6.9	20.8	37.0	57.9	76.4	92.6	106.5	115.7	120.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.3	2.3	6.9	18.5	32.4	50.9	67.1	83.3	94.9	104.1	111.1
115°	2.3	2.3	6.9	16.2	30.1	44.0	60.2	74.1	85.6	94.9	101.8
117.5°	2.3	2.3	6.9	13.9	25.5	39.3	53.2	67.1	76.4	85.6	92.6
120°	2.3	2.3	4.6	11.6	23.1	34.7	46.3	57.9	69.4	78.7	85.6
122.5°	2.3	2.3	4.6	11.6	18.5	30.1	41.7	50.9	62.5	69.4	76.4
125°	2.3	2.3	4.6	9.3	16.2	27.8	37.0	46.3	53.2	62.5	69.4
127.5°	2.3	2.3	4.6	9.3	13.9	23.1	32.4	41.7	48.6	55.5	60.2
130°	2.3	2.3	4.6	6.9	11.6	18.5	27.8	34.7	44.0	48.6	53.2
132.5°	2.3	2.3	2.3	6.9	9.3	13.9	20.8	30.1	37.0	44.0	46.3
135°	2.3	2.3	2.3	4.6	9.3	11.6	16.2	23.1	30.1	37.0	41.7
137.5°	2.3	2.3	2.3	4.6	6.9	11.6	13.9	18.5	25.5	30.1	37.0
140°	2.3	2.3	2.3	4.6	6.9	9.3	11.6	16.2	20.8	25.5	30.1
142.5°	2.3	2.3	2.3	4.6	4.6	6.9	9.3	13.9	16.2	20.8	25.5
145°	2.3	2.3	2.3	4.6	4.6	6.9	9.3	11.6	13.9	16.2	20.8
147.5°	2.3	2.3	2.3	4.6	4.6	4.6	6.9	9.3	11.6	13.9	16.2
150°	4.6	4.6	4.6	4.6	4.6	4.6	6.9	6.9	9.3	11.6	13.9
152.5°	4.6	4.6	4.6	4.6	4.6	4.6	6.9	6.9	6.9	9.3	11.6
155°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.9	6.9	9.3	9.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4
2.5°	4441.1	4445.7	4473.5	4471.2	4466.5	4461.9	4461.9	4457.3	4461.9	4473.5	4468.8
5°	4417.9	4424.9	4445.7	4443.4	4438.8	4436.4	4434.1	4427.2	4431.8	4448.0	4443.4
7.5°	4376.3	4383.2	4401.7	4392.5	4385.5	4390.2	4378.6	4371.6	4380.9	4397.1	4394.8
10°	4332.3	4336.9	4360.1	4355.4	4343.9	4346.2	4334.6	4330.0	4341.6	4350.8	4353.1
12.5°	4302.2	4318.4	4339.2	4336.9	4334.6	4336.9	4325.4	4320.7	4327.7	4336.9	4334.6
15°	4295.3	4316.1	4339.2	4339.2	4341.6	4343.9	4332.3	4325.4	4332.3	4339.2	4336.9
17.5°	4288.3	4313.8	4334.6	4332.3	4334.6	4339.2	4320.7	4316.1	4325.4	4334.6	4330.0
20°	4265.2	4288.3	4302.2	4297.6	4297.6	4299.9	4276.8	4276.8	4290.6	4297.6	4299.9
22.5°	4200.4	4228.2	4228.2	4216.6	4216.6	4207.3	4200.4	4186.5	4202.7	4214.3	4223.5
25°	4103.2	4114.8	4100.9	4075.4	4061.5	4050.0	4017.6	4045.3	4045.3	4080.0	4091.6
27.5°	3966.6	3941.2	3901.8	3848.6	3837.0	3800.0	3779.2	3786.1	3797.7	3846.3	3883.3
30°	3742.2	3665.8	3598.7	3575.5	3524.6	3487.6	3450.6	3469.1	3489.9	3517.7	3594.0
32.5°	3445.9	3371.9	3263.1	3223.8	3170.5	3124.3	3080.3	3108.1	3145.1	3163.6	3246.9
35°	3105.7	3017.8	2918.3	2851.2	2795.6	2770.2	2714.6	2754.0	2793.3	2807.2	2878.9
37.5°	2744.7	2654.5	2566.5	2508.7	2455.4	2439.2	2402.2	2430.0	2460.1	2480.9	2541.1
40°	2402.2	2318.9	2251.8	2212.4	2175.4	2161.5	2147.6	2159.2	2182.3	2198.5	2244.8
42.5°	2108.3	2041.2	1994.9	1971.8	1946.3	1927.8	1930.1	1934.7	1946.3	1981.0	2001.8
45°	1851.4	1812.1	1782.0	1777.4	1761.2	1758.8	1756.5	1765.8	1772.7	1793.6	1809.8
47.5°	1645.4	1629.2	1622.3	1631.6	1638.5	1629.2	1633.9	1645.4	1659.3	1659.3	1657.0
50°	1483.4	1488.1	1497.3	1518.2	1532.0	1536.7	1541.3	1555.2	1557.5	1562.1	1555.2
52.5°	1351.5	1356.2	1381.6	1414.0	1430.2	1437.2	1446.4	1460.3	1460.3	1464.9	1455.7
55°	1217.3	1224.2	1249.7	1282.1	1296.0	1305.2	1314.5	1323.8	1330.7	1340.0	1333.0
57.5°	1069.2	1090.0	1106.2	1115.5	1124.7	1131.7	1138.6	1140.9	1154.8	1157.1	1168.7
60°	911.8	916.4	932.6	930.3	923.4	941.9	932.6	948.8	965.0	985.9	988.2
62.5°	761.4	763.7	775.3	770.6	779.9	777.6	784.5	784.5	796.1	805.4	816.9
65°	643.4	645.7	654.9	654.9	652.6	659.6	666.5	671.1	671.1	678.1	687.3
67.5°	555.4	562.4	571.6	576.3	580.9	580.9	587.8	590.1	594.8	597.1	601.7
70°	495.3	504.5	513.8	518.4	520.7	525.3	527.7	527.7	532.3	534.6	539.2
72.5°	451.3	460.5	467.5	467.5	472.1	474.4	474.4	476.7	479.1	483.7	488.3
75°	414.3	421.2	425.8	423.5	423.5	423.5	425.8	425.8	430.5	435.1	439.7
77.5°	379.5	386.5	386.5	381.9	381.9	381.9	381.9	384.2	386.5	391.1	395.7
80°	354.1	354.1	351.8	351.8	347.1	344.8	344.8	347.1	347.1	351.8	358.7
82.5°	326.3	326.3	324.0	321.7	319.4	317.1	317.1	319.4	321.7	324.0	328.6
85°	300.9	300.9	296.2	296.2	293.9	293.9	293.9	293.9	296.2	298.5	303.2
87.5°	275.4	273.1	270.8	268.5	268.5	268.5	268.5	268.5	270.8	275.4	277.7
90°	249.9	247.6	245.3	245.3	243.0	243.0	245.3	245.3	247.6	249.9	252.3
92.5°	226.8	224.5	222.2	222.2	219.9	219.9	222.2	219.9	224.5	224.5	226.8
95°	206.0	203.7	201.3	201.3	201.3	201.3	201.3	201.3	203.7	203.7	206.0
97.5°	187.5	185.1	182.8	182.8	185.1	182.8	185.1	185.1	185.1	187.5	189.8
100°	171.3	168.9	168.9	171.3	168.9	168.9	171.3	171.3	171.3	171.3	173.6
102.5°	157.4	157.4	157.4	157.4	157.4	157.4	159.7	159.7	159.7	159.7	162.0
105°	143.5	145.8	145.8	145.8	148.1	148.1	148.1	150.4	150.4	150.4	150.4
107.5°	134.2	136.5	136.5	138.9	138.9	141.2	141.2	141.2	141.2	143.5	143.5
110°	125.0	127.3	129.6	131.9	131.9	134.2	134.2	134.2	134.2	134.2	134.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	115.7	118.0	120.3	125.0	127.3	127.3	127.3	127.3	129.6	129.6	127.3
115°	106.5	111.1	113.4	118.0	120.3	120.3	122.7	122.7	122.7	122.7	120.3
117.5°	97.2	104.1	106.5	111.1	113.4	113.4	115.7	115.7	115.7	115.7	113.4
120°	90.3	94.9	99.5	101.8	104.1	106.5	106.5	108.8	108.8	108.8	106.5
122.5°	83.3	87.9	92.6	94.9	97.2	99.5	99.5	99.5	99.5	99.5	99.5
125°	74.1	78.7	83.3	85.6	87.9	90.3	90.3	92.6	92.6	92.6	90.3
127.5°	67.1	71.7	74.1	78.7	81.0	81.0	83.3	83.3	83.3	83.3	81.0
130°	57.9	62.5	67.1	69.4	71.7	71.7	74.1	74.1	74.1	74.1	74.1
132.5°	50.9	55.5	57.9	62.5	62.5	64.8	64.8	67.1	67.1	67.1	64.8
135°	46.3	48.6	50.9	55.5	55.5	57.9	57.9	57.9	57.9	57.9	57.9
137.5°	41.7	44.0	46.3	48.6	48.6	50.9	50.9	50.9	50.9	53.2	50.9
140°	34.7	39.3	41.7	41.7	44.0	44.0	44.0	46.3	46.3	46.3	44.0
142.5°	30.1	32.4	34.7	37.0	39.3	39.3	39.3	39.3	41.7	39.3	39.3
145°	23.1	27.8	30.1	32.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7
147.5°	18.5	20.8	25.5	27.8	27.8	30.1	30.1	30.1	30.1	30.1	30.1
150°	16.2	16.2	20.8	23.1	25.5	25.5	25.5	25.5	25.5	25.5	25.5
152.5°	11.6	13.9	16.2	18.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8
155°	11.6	11.6	13.9	13.9	16.2	16.2	16.2	16.2	18.5	16.2	16.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4
2.5°	4461.9	4459.6	4468.8	4459.6	4413.3	4431.8	4424.9	4450.3	4452.6	4459.6	4482.7
5°	4438.8	4438.8	4450.3	4441.1	4397.1	4415.6	4413.3	4438.8	4443.4	4448.0	4473.5
7.5°	4392.5	4394.8	4411.0	4404.0	4357.8	4385.5	4383.2	4413.3	4422.6	4431.8	4455.0
10°	4348.5	4346.2	4364.7	4357.8	4313.8	4346.2	4343.9	4374.0	4387.8	4404.0	4431.8
12.5°	4325.4	4318.4	4325.4	4318.4	4269.8	4295.3	4297.6	4332.3	4348.5	4369.3	4401.7
15°	4325.4	4313.8	4313.8	4299.9	4244.4	4260.6	4262.9	4286.0	4306.8	4327.7	4367.0
17.5°	4320.7	4309.2	4306.8	4295.3	4235.1	4235.1	4232.8	4249.0	4260.6	4281.4	4323.0
20°	4295.3	4290.6	4288.3	4281.4	4225.8	4216.6	4212.0	4212.0	4218.9	4225.8	4267.5
22.5°	4228.2	4232.8	4237.4	4242.0	4198.1	4181.9	4184.2	4179.6	4172.6	4172.6	4207.3
25°	4103.2	4126.3	4144.8	4165.7	4140.2	4128.6	4142.5	4135.6	4124.0	4114.8	4144.8
27.5°	3904.2	3952.8	3992.1	4043.0	4045.3	4036.1	4073.1	4068.5	4066.2	4052.3	4075.4
30°	3628.8	3705.1	3758.4	3832.4	3894.9	3904.2	3966.6	3975.9	3985.2	3978.2	4001.4
32.5°	3295.5	3399.6	3489.9	3605.6	3665.8	3719.0	3807.0	3844.0	3881.0	3892.6	3918.0
35°	2932.2	3050.2	3156.7	3283.9	3378.8	3494.5	3601.0	3656.5	3739.8	3772.2	3809.3
37.5°	2587.3	2698.4	2802.6	2929.9	3082.6	3202.9	3334.8	3459.8	3573.2	3619.5	3675.0
40°	2281.9	2372.1	2471.6	2582.7	2721.6	2878.9	3022.4	3196.0	3330.2	3422.8	3503.8
42.5°	2050.4	2094.4	2180.0	2279.5	2390.6	2550.3	2696.1	2890.5	3052.5	3184.4	3318.6
45°	1844.5	1865.3	1927.8	1981.0	2094.4	2235.6	2390.6	2580.4	2749.3	2918.3	3080.3
47.5°	1668.6	1694.0	1724.1	1756.5	1837.5	1955.6	2089.8	2261.0	2430.0	2626.7	2811.8
50°	1550.6	1557.5	1562.1	1576.0	1624.6	1705.6	1814.4	1960.2	2122.2	2332.8	2529.5
52.5°	1446.4	1446.4	1432.5	1425.6	1444.1	1495.0	1557.5	1661.6	1828.3	2022.7	2230.9
55°	1335.3	1314.5	1309.9	1286.7	1291.4	1314.5	1344.6	1425.6	1562.1	1728.8	1930.1
57.5°	1180.3	1171.0	1171.0	1161.8	1143.2	1154.8	1161.8	1219.6	1316.8	1460.3	1636.2
60°	1002.1	997.4	1009.0	1011.3	995.1	1002.1	999.8	1034.5	1103.9	1219.6	1365.4
62.5°	823.9	844.7	847.0	856.3	847.0	844.7	856.3	886.4	921.1	1009.0	1122.4
65°	692.0	703.5	705.8	717.4	712.8	712.8	722.0	745.2	766.0	826.2	914.1
67.5°	606.3	601.7	604.0	611.0	604.0	601.7	608.7	622.5	638.7	675.8	738.2
70°	539.2	534.6	534.6	534.6	525.3	518.4	520.7	525.3	532.3	553.1	592.5
72.5°	488.3	488.3	481.4	474.4	467.5	462.9	458.2	453.6	451.3	458.2	479.1
75°	442.0	444.3	442.0	435.1	425.8	416.6	407.3	398.1	386.5	381.9	384.2
77.5°	400.4	402.7	405.0	402.7	393.4	381.9	368.0	354.1	337.9	321.7	312.4
80°	363.3	368.0	370.3	368.0	361.0	351.8	335.6	319.4	296.2	275.4	252.3
82.5°	330.9	337.9	340.2	340.2	335.6	326.3	307.8	289.3	263.8	236.1	206.0
85°	305.5	310.1	314.7	314.7	312.4	303.2	284.7	263.8	238.4	206.0	173.6
87.5°	280.0	282.3	287.0	291.6	287.0	277.7	261.5	238.4	212.9	180.5	143.5
90°	254.6	256.9	261.5	266.1	263.8	254.6	240.7	219.9	192.1	157.4	120.3
92.5°	229.1	233.7	236.1	238.4	240.7	233.7	222.2	201.3	173.6	138.9	104.1
95°	210.6	210.6	215.2	217.5	219.9	212.9	203.7	182.8	157.4	125.0	90.3
97.5°	192.1	192.1	196.7	196.7	199.0	194.4	185.1	166.6	141.2	111.1	76.4
100°	173.6	175.9	178.2	180.5	180.5	178.2	168.9	150.4	127.3	99.5	67.1
102.5°	162.0	162.0	164.3	164.3	166.6	162.0	152.7	136.5	113.4	87.9	57.9
105°	150.4	150.4	152.7	152.7	150.4	145.8	136.5	122.7	101.8	76.4	50.9
107.5°	141.2	141.2	141.2	141.2	138.9	134.2	125.0	108.8	90.3	69.4	46.3
110°	134.2	131.9	131.9	129.6	127.3	120.3	111.1	97.2	81.0	60.2	39.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	127.3	125.0	122.7	120.3	115.7	108.8	99.5	87.9	71.7	53.2	34.7
115°	120.3	118.0	115.7	111.1	106.5	99.5	90.3	78.7	62.5	46.3	30.1
117.5°	113.4	111.1	106.5	101.8	97.2	90.3	81.0	69.4	55.5	41.7	27.8
120°	104.1	101.8	99.5	94.9	90.3	81.0	71.7	62.5	48.6	37.0	23.1
122.5°	97.2	94.9	90.3	87.9	81.0	74.1	64.8	55.5	44.0	32.4	20.8
125°	87.9	85.6	83.3	78.7	74.1	64.8	57.9	48.6	39.3	27.8	16.2
127.5°	81.0	78.7	74.1	69.4	64.8	57.9	50.9	44.0	34.7	23.1	16.2
130°	71.7	69.4	67.1	62.5	57.9	50.9	46.3	37.0	30.1	20.8	13.9
132.5°	62.5	62.5	60.2	55.5	50.9	46.3	39.3	32.4	25.5	18.5	11.6
135°	57.9	55.5	53.2	48.6	46.3	39.3	34.7	27.8	20.8	16.2	9.3
137.5°	50.9	48.6	46.3	44.0	39.3	34.7	30.1	23.1	18.5	13.9	9.3
140°	44.0	41.7	41.7	37.0	34.7	30.1	25.5	20.8	16.2	11.6	6.9
142.5°	39.3	37.0	34.7	32.4	30.1	25.5	20.8	16.2	13.9	9.3	6.9
145°	34.7	32.4	30.1	27.8	25.5	20.8	18.5	13.9	11.6	9.3	6.9
147.5°	27.8	27.8	25.5	23.1	20.8	18.5	16.2	13.9	9.3	6.9	4.6
150°	23.1	23.1	20.8	18.5	18.5	16.2	13.9	11.6	9.3	6.9	4.6
152.5°	20.8	18.5	18.5	16.2	16.2	13.9	11.6	9.3	6.9	6.9	4.6
155°	16.2	16.2	16.2	13.9	13.9	11.6	9.3	9.3	6.9	4.6	4.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4
2.5°	4487.4	4459.6	4482.7	4524.4	4519.8	4515.1	4510.5	4519.8	4549.8	4533.6	4508.2
5°	4480.4	4452.6	4478.1	4517.4	4515.1	4508.2	4503.6	4512.8	4542.9	4526.7	4498.9
7.5°	4466.5	4441.1	4459.6	4498.9	4498.9	4494.3	4489.7	4498.9	4526.7	4512.8	4485.0
10°	4443.4	4424.9	4443.4	4480.4	4482.7	4473.5	4468.8	4480.4	4508.2	4501.2	4478.1
12.5°	4424.9	4406.4	4427.2	4464.2	4466.5	4457.3	4450.3	4464.2	4501.2	4505.9	4498.9
15°	4399.4	4383.2	4408.7	4448.0	4448.0	4441.1	4441.1	4459.6	4510.5	4531.3	4542.9
17.5°	4362.4	4350.8	4380.9	4420.2	4422.6	4417.9	4420.2	4457.3	4524.4	4575.3	4607.7
20°	4316.1	4311.5	4343.9	4385.5	4392.5	4394.8	4406.4	4461.9	4554.5	4623.9	4656.3
22.5°	4260.6	4262.9	4299.9	4343.9	4353.1	4360.1	4383.2	4461.9	4577.6	4651.7	4665.5
25°	4198.1	4205.0	4244.4	4297.6	4309.2	4323.0	4362.4	4464.2	4584.6	4633.1	4610.0
27.5°	4131.0	4144.8	4195.8	4251.3	4265.2	4288.3	4339.2	4450.3	4552.2	4554.5	4468.8
30°	4061.5	4077.7	4137.9	4202.7	4225.8	4249.0	4311.5	4417.9	4473.5	4399.4	4249.0
32.5°	3982.8	4006.0	4066.2	4144.8	4172.6	4202.7	4265.2	4355.4	4334.6	4174.9	3959.7
35°	3883.3	3915.7	3985.2	4077.7	4103.2	4142.5	4186.5	4207.3	4114.8	3888.0	3645.0
37.5°	3760.7	3809.3	3890.3	3996.7	4024.5	4050.0	4061.5	4003.7	3818.5	3573.2	3321.0
40°	3619.5	3693.6	3781.5	3899.5	3927.3	3927.3	3885.6	3763.0	3529.2	3207.6	2927.5
42.5°	3448.2	3538.5	3649.6	3767.6	3795.4	3763.0	3663.5	3448.2	3182.1	2823.4	2527.2
45°	3240.0	3360.3	3485.3	3607.9	3621.8	3550.1	3371.9	3098.8	2770.2	2436.9	2154.6
47.5°	2992.3	3149.7	3286.3	3425.1	3406.6	3286.3	3047.9	2737.8	2390.6	2075.9	1849.1
50°	2714.6	2899.8	3052.5	3184.4	3145.1	2978.5	2698.4	2374.4	2029.6	1761.2	1573.7
52.5°	2418.4	2631.3	2784.1	2890.5	2837.3	2638.3	2330.5	2020.3	1738.0	1492.7	1367.7
55°	2110.6	2325.8	2483.2	2566.5	2497.1	2281.9	1978.7	1696.4	1430.2	1270.5	1196.5
57.5°	1812.1	2013.4	2161.5	2228.6	2140.7	1925.5	1645.4	1407.1	1215.0	1080.8	1043.7
60°	1525.1	1689.4	1830.6	1881.5	1786.6	1587.6	1346.9	1157.1	1016.0	923.4	904.9
62.5°	1259.0	1393.2	1504.3	1543.6	1451.0	1296.0	1087.7	946.5	847.0	800.7	777.6
65°	1039.1	1117.8	1231.2	1224.2	1168.7	1025.2	872.5	773.0	708.2	678.1	664.2
67.5°	816.9	888.7	960.4	969.7	900.2	800.7	701.2	629.5	594.8	578.6	571.6
70°	631.8	685.0	729.0	717.4	680.4	617.9	555.4	516.1	502.2	495.3	495.3
72.5°	490.6	518.4	539.2	525.3	502.2	469.8	439.7	423.5	425.8	430.5	435.1
75°	379.5	386.5	391.1	377.2	372.6	351.8	349.5	351.8	365.7	379.5	386.5
77.5°	291.6	282.3	275.4	261.5	263.8	261.5	273.1	291.6	312.4	333.3	351.8
80°	224.5	203.7	187.5	173.6	180.5	192.1	215.2	243.0	270.8	293.9	317.1
82.5°	173.6	143.5	120.3	106.5	120.3	138.9	168.9	203.7	236.1	261.5	287.0
85°	134.2	99.5	71.7	57.9	71.7	99.5	131.9	171.3	206.0	233.7	259.2
87.5°	104.1	71.7	39.3	23.1	39.3	69.4	106.5	143.5	178.2	210.6	236.1
90°	83.3	48.6	18.5	4.6	20.8	48.6	83.3	120.3	155.1	189.8	215.2
92.5°	67.1	34.7	9.3	0.0	11.6	37.0	69.4	104.1	138.9	171.3	196.7
95°	55.5	27.8	6.9	0.0	9.3	27.8	55.5	90.3	122.7	155.1	175.9
97.5°	46.3	20.8	4.6	0.0	4.6	23.1	46.3	76.4	108.8	138.9	159.7
100°	39.3	18.5	4.6	0.0	4.6	18.5	39.3	67.1	94.9	122.7	143.5
102.5°	32.4	13.9	2.3	2.3	2.3	13.9	34.7	57.9	83.3	108.8	129.6
105°	30.1	11.6	2.3	2.3	2.3	11.6	30.1	50.9	74.1	97.2	115.7
107.5°	25.5	9.3	2.3	2.3	2.3	9.3	25.5	44.0	67.1	87.9	104.1
110°	20.8	9.3	2.3	2.3	2.3	9.3	20.8	39.3	57.9	76.4	92.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	18.5	6.9	2.3	2.3	2.3	6.9	18.5	34.7	50.9	69.4	83.3
115°	16.2	6.9	2.3	2.3	2.3	6.9	16.2	30.1	44.0	60.2	74.1
117.5°	13.9	6.9	2.3	2.3	2.3	4.6	13.9	25.5	39.3	53.2	67.1
120°	11.6	4.6	2.3	2.3	2.3	4.6	11.6	23.1	34.7	46.3	57.9
122.5°	11.6	4.6	2.3	2.3	2.3	4.6	9.3	18.5	30.1	39.3	50.9
125°	9.3	4.6	2.3	2.3	2.3	2.3	9.3	16.2	25.5	34.7	44.0
127.5°	9.3	4.6	2.3	2.3	2.3	2.3	6.9	13.9	20.8	30.1	39.3
130°	6.9	4.6	2.3	2.3	2.3	2.3	4.6	11.6	18.5	25.5	32.4
132.5°	6.9	4.6	2.3	2.3	2.3	2.3	4.6	9.3	13.9	20.8	27.8
135°	6.9	2.3	2.3	2.3	2.3	2.3	2.3	6.9	11.6	16.2	20.8
137.5°	4.6	2.3	2.3	2.3	2.3	2.3	2.3	4.6	9.3	11.6	18.5
140°	4.6	2.3	2.3	2.3	2.3	2.3	2.3	4.6	6.9	9.3	13.9
142.5°	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	6.9	11.6
145°	4.6	2.3	2.3	4.6	4.6	2.3	2.3	4.6	4.6	6.9	9.3
147.5°	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	4.6	6.9
150°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.9
152.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
155°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4
2.5°	4503.6	4450.3	4478.1	4468.8	4478.1	4501.2	4498.9	4492.0	4496.6	4485.0	4473.5
5°	4494.3	4441.1	4468.8	4457.3	4468.8	4492.0	4487.4	4480.4	4487.4	4473.5	4461.9
7.5°	4482.7	4434.1	4466.5	4464.2	4485.0	4515.1	4517.4	4517.4	4533.6	4512.8	4503.6
10°	4482.7	4457.3	4501.2	4517.4	4570.7	4610.0	4614.6	4623.9	4651.7	4647.0	4623.9
12.5°	4531.3	4526.7	4591.5	4630.8	4679.4	4735.0	4765.1	4774.3	4792.8	4778.9	4769.7
15°	4593.8	4616.9	4688.7	4732.7	4785.9	4827.5	4834.5	4839.1	4853.0	4832.2	4816.0
17.5°	4677.1	4691.0	4748.9	4767.4	4802.1	4809.0	4799.8	4776.6	4776.6	4730.3	4716.5
20°	4716.5	4709.5	4732.7	4702.6	4688.7	4647.0	4607.7	4563.7	4561.4	4512.8	4508.2
22.5°	4681.7	4635.5	4586.9	4512.8	4480.4	4420.2	4367.0	4341.6	4325.4	4262.9	4246.7
25°	4559.1	4445.7	4374.0	4286.0	4207.3	4137.9	4087.0	4033.8	3982.8	3931.9	3908.8
27.5°	4346.2	4239.7	4124.0	4001.4	3892.6	3786.1	3700.5	3647.3	3598.7	3531.6	3496.8
30°	4084.7	3936.6	3809.3	3691.2	3513.0	3383.4	3311.7	3205.3	3168.2	3138.1	3073.3
32.5°	3776.9	3598.7	3425.1	3265.4	3082.6	2962.3	2867.4	2788.7	2765.5	2686.9	2668.3
35°	3436.7	3202.9	3006.2	2848.9	2716.9	2571.1	2492.5	2439.2	2392.9	2339.7	2330.5
37.5°	3036.3	2825.7	2603.5	2464.7	2360.5	2235.6	2175.4	2138.4	2117.5	2078.2	2071.3
40°	2633.6	2423.0	2270.3	2131.4	2066.6	1999.5	1955.6	1939.4	1930.1	1916.2	1902.3
42.5°	2268.0	2082.8	1974.1	1881.5	1853.7	1821.3	1809.8	1819.0	1809.8	1805.1	1802.8
45°	1957.9	1816.7	1740.3	1712.6	1705.6	1696.4	1705.6	1721.8	1724.1	1719.5	1719.5
47.5°	1675.5	1608.4	1576.0	1580.6	1592.2	1599.2	1615.4	1636.2	1640.8	1629.2	1633.9
50°	1490.4	1451.0	1444.1	1462.6	1488.1	1497.3	1515.8	1532.0	1529.7	1525.1	1520.5
52.5°	1316.8	1305.2	1323.8	1342.3	1370.0	1374.7	1381.6	1388.6	1386.2	1377.0	1372.4
55°	1171.0	1180.3	1196.5	1203.4	1224.2	1221.9	1224.2	1224.2	1215.0	1210.4	1203.4
57.5°	1039.1	1041.4	1050.7	1053.0	1064.6	1059.9	1057.6	1053.0	1039.1	1036.8	1029.8
60°	904.9	900.2	921.1	904.9	914.1	904.9	902.6	891.0	877.1	874.8	870.2
62.5°	777.6	768.3	782.2	775.3	779.9	770.6	766.0	752.1	740.6	738.2	735.9
65°	664.2	659.6	673.4	671.1	675.8	664.2	659.6	650.3	641.1	638.7	636.4
67.5°	569.3	580.9	587.8	587.8	592.5	590.1	578.6	576.3	573.9	564.7	564.7
70°	499.9	506.8	520.7	523.0	520.7	525.3	516.1	513.8	511.5	506.8	504.5
72.5°	444.3	453.6	467.5	469.8	467.5	467.5	462.9	460.5	460.5	453.6	453.6
75°	400.4	411.9	423.5	423.5	423.5	418.9	414.3	414.3	409.6	407.3	402.7
77.5°	363.3	377.2	386.5	384.2	381.9	377.2	377.2	370.3	363.3	363.3	358.7
80°	335.6	344.8	351.8	349.5	347.1	340.2	337.9	330.9	326.3	319.4	319.4
82.5°	305.5	317.1	321.7	319.4	314.7	307.8	305.5	300.9	296.2	293.9	289.3
85°	280.0	291.6	293.9	289.3	284.7	280.0	277.7	275.4	273.1	268.5	268.5
87.5°	254.6	266.1	266.1	263.8	259.2	256.9	254.6	252.3	249.9	247.6	245.3
90°	233.7	243.0	243.0	240.7	238.4	236.1	233.7	231.4	229.1	226.8	226.8
92.5°	212.9	222.2	222.2	219.9	217.5	215.2	215.2	212.9	210.6	208.3	206.0
95°	194.4	203.7	203.7	203.7	201.3	199.0	199.0	196.7	194.4	194.4	192.1
97.5°	175.9	185.1	185.1	185.1	182.8	180.5	180.5	178.2	178.2	178.2	175.9
100°	159.7	166.6	168.9	168.9	166.6	166.6	166.6	164.3	164.3	164.3	162.0
102.5°	143.5	150.4	155.1	155.1	155.1	152.7	152.7	152.7	152.7	152.7	150.4
105°	129.6	136.5	141.2	143.5	143.5	143.5	143.5	143.5	143.5	143.5	143.5
107.5°	118.0	125.0	129.6	131.9	134.2	134.2	136.5	136.5	136.5	136.5	136.5
110°	106.5	113.4	120.3	122.7	125.0	127.3	127.3	129.6	127.3	127.3	127.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	94.9	104.1	108.8	113.4	115.7	118.0	120.3	120.3	120.3	120.3	120.3
115°	85.6	94.9	99.5	104.1	108.8	111.1	111.1	113.4	113.4	113.4	111.1
117.5°	76.4	85.6	90.3	94.9	97.2	101.8	104.1	104.1	104.1	104.1	101.8
120°	69.4	76.4	81.0	85.6	90.3	92.6	94.9	94.9	94.9	94.9	94.9
122.5°	60.2	67.1	74.1	78.7	81.0	83.3	85.6	85.6	85.6	85.6	85.6
125°	53.2	60.2	64.8	69.4	71.7	76.4	76.4	76.4	76.4	76.4	76.4
127.5°	46.3	53.2	57.9	62.5	64.8	67.1	69.4	69.4	69.4	69.4	69.4
130°	39.3	46.3	50.9	55.5	57.9	60.2	60.2	62.5	62.5	62.5	62.5
132.5°	34.7	39.3	44.0	48.6	50.9	53.2	53.2	55.5	55.5	55.5	55.5
135°	27.8	34.7	37.0	41.7	44.0	46.3	46.3	48.6	48.6	48.6	48.6
137.5°	23.1	27.8	32.4	37.0	39.3	39.3	41.7	41.7	44.0	44.0	44.0
140°	18.5	20.8	27.8	30.1	32.4	34.7	37.0	37.0	37.0	37.0	37.0
142.5°	13.9	18.5	20.8	25.5	27.8	30.1	32.4	32.4	32.4	32.4	32.4
145°	11.6	13.9	16.2	20.8	23.1	25.5	27.8	27.8	27.8	27.8	27.8
147.5°	9.3	11.6	13.9	16.2	18.5	20.8	23.1	23.1	23.1	23.1	23.1
150°	6.9	9.3	11.6	11.6	13.9	16.2	18.5	20.8	20.8	20.8	20.8
152.5°	6.9	6.9	9.3	9.3	11.6	13.9	16.2	16.2	16.2	16.2	16.2
155°	4.6	6.9	6.9	6.9	9.3	9.3	11.6	13.9	13.9	13.9	13.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4
2.5°	4480.4	4489.7	4485.0	4478.1	4475.8	4487.4	4475.8	4422.6	4443.4	4445.7	4461.9
5°	4473.5	4480.4	4475.8	4471.2	4464.2	4478.1	4464.2	4408.7	4429.5	4431.8	4448.0
7.5°	4519.8	4522.1	4522.1	4510.5	4492.0	4498.9	4480.4	4417.9	4429.5	4429.5	4441.1
10°	4635.5	4640.1	4647.0	4616.9	4593.8	4575.3	4549.8	4473.5	4471.2	4452.6	4452.6
12.5°	4785.9	4774.3	4762.7	4748.9	4730.3	4707.2	4670.2	4579.9	4549.8	4519.8	4489.7
15°	4829.9	4825.2	4822.9	4816.0	4804.4	4797.5	4769.7	4679.4	4635.5	4598.4	4545.2
17.5°	4714.1	4723.4	4753.5	4755.8	4769.7	4797.5	4792.8	4730.3	4691.0	4674.8	4610.0
20°	4505.9	4508.2	4545.2	4561.4	4621.6	4667.9	4702.6	4695.6	4686.4	4704.9	4656.3
22.5°	4255.9	4272.1	4311.5	4336.9	4394.8	4448.0	4503.6	4533.6	4582.2	4658.6	4649.3
25°	3915.7	3936.6	3992.1	4033.8	4114.8	4195.8	4269.8	4323.0	4380.9	4526.7	4575.3
27.5°	3508.4	3540.8	3612.6	3654.2	3767.6	3850.9	3957.4	4061.5	4142.5	4309.2	4408.7
30°	3080.3	3108.1	3184.4	3242.3	3339.5	3452.9	3587.1	3735.2	3869.4	4038.4	4163.4
32.5°	2679.9	2710.0	2772.5	2823.4	2932.2	3027.1	3175.2	3358.0	3483.0	3716.7	3883.3
35°	2330.5	2358.2	2402.2	2446.2	2536.4	2633.6	2760.9	2939.1	3098.8	3341.8	3552.4
37.5°	2085.1	2089.8	2115.2	2140.7	2207.8	2281.9	2381.4	2538.7	2686.9	2948.4	3179.8
40°	1909.3	1909.3	1923.2	1930.1	1960.2	2004.1	2066.6	2189.3	2311.9	2511.0	2793.3
42.5°	1800.5	1795.9	1795.9	1798.2	1795.9	1816.7	1853.7	1911.6	2020.3	2184.7	2404.5
45°	1719.5	1710.2	1703.3	1687.1	1677.8	1677.8	1680.2	1701.0	1763.5	1869.9	2048.1
47.5°	1629.2	1626.9	1615.4	1596.8	1580.6	1569.1	1550.6	1543.6	1562.1	1622.3	1742.6
50°	1525.1	1513.5	1502.0	1488.1	1469.6	1458.0	1423.3	1425.6	1409.4	1437.2	1499.6
52.5°	1372.4	1363.1	1358.5	1346.9	1340.0	1335.3	1307.6	1279.8	1272.8	1277.5	1300.6
55°	1203.4	1208.0	1189.5	1198.8	1196.5	1175.6	1164.1	1143.2	1136.3	1134.0	1145.6
57.5°	1027.5	1032.2	1020.6	1029.8	1029.8	1018.3	1011.3	1011.3	995.1	981.2	997.4
60°	867.8	858.6	865.5	877.1	877.1	870.2	865.5	865.5	854.0	849.3	860.9
62.5°	738.2	729.0	735.9	747.5	749.8	745.2	740.6	740.6	726.7	726.7	735.9
65°	638.7	641.1	638.7	648.0	648.0	650.3	645.7	641.1	624.9	631.8	629.5
67.5°	567.0	564.7	564.7	573.9	571.6	576.3	571.6	564.7	553.1	543.9	541.5
70°	506.8	504.5	504.5	509.1	511.5	511.5	509.1	504.5	488.3	479.1	472.1
72.5°	453.6	451.3	453.6	455.9	458.2	460.5	458.2	453.6	439.7	428.1	416.6
75°	405.0	402.7	409.6	409.6	411.9	411.9	414.3	411.9	400.4	386.5	372.6
77.5°	356.4	358.7	365.7	368.0	372.6	374.9	377.2	377.2	365.7	354.1	335.6
80°	317.1	321.7	326.3	328.6	333.3	340.2	342.5	344.8	335.6	324.0	303.2
82.5°	289.3	291.6	296.2	298.5	305.5	307.8	310.1	314.7	310.1	298.5	275.4
85°	266.1	268.5	273.1	273.1	277.7	282.3	284.7	287.0	284.7	273.1	249.9
87.5°	245.3	247.6	249.9	252.3	254.6	256.9	259.2	261.5	259.2	247.6	226.8
90°	226.8	226.8	229.1	229.1	231.4	233.7	238.4	238.4	236.1	226.8	206.0
92.5°	206.0	208.3	208.3	210.6	212.9	215.2	217.5	217.5	215.2	206.0	187.5
95°	192.1	192.1	194.4	194.4	196.7	196.7	199.0	199.0	196.7	187.5	168.9
97.5°	175.9	175.9	175.9	175.9	178.2	178.2	180.5	180.5	178.2	168.9	152.7
100°	162.0	162.0	162.0	162.0	162.0	164.3	164.3	164.3	162.0	152.7	136.5
102.5°	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	145.8	138.9	122.7
105°	143.5	143.5	143.5	141.2	141.2	141.2	138.9	138.9	131.9	125.0	111.1
107.5°	134.2	134.2	134.2	131.9	131.9	129.6	127.3	127.3	120.3	113.4	99.5
110°	127.3	127.3	127.3	125.0	122.7	120.3	118.0	115.7	108.8	99.5	87.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	120.3	120.3	118.0	118.0	115.7	113.4	108.8	106.5	99.5	90.3	78.7
115°	111.1	111.1	111.1	108.8	106.5	104.1	101.8	97.2	90.3	81.0	69.4
117.5°	101.8	101.8	101.8	99.5	97.2	94.9	92.6	87.9	81.0	71.7	62.5
120°	92.6	92.6	92.6	90.3	87.9	85.6	83.3	78.7	71.7	64.8	53.2
122.5°	85.6	85.6	83.3	81.0	78.7	76.4	74.1	69.4	64.8	55.5	46.3
125°	76.4	76.4	74.1	74.1	71.7	69.4	67.1	62.5	55.5	48.6	41.7
127.5°	69.4	67.1	67.1	67.1	64.8	62.5	57.9	55.5	48.6	41.7	34.7
130°	60.2	60.2	60.2	57.9	57.9	55.5	50.9	46.3	41.7	37.0	30.1
132.5°	53.2	53.2	53.2	53.2	50.9	48.6	44.0	41.7	37.0	30.1	25.5
135°	48.6	48.6	46.3	46.3	44.0	41.7	39.3	34.7	30.1	25.5	20.8
137.5°	41.7	41.7	41.7	39.3	39.3	37.0	32.4	30.1	27.8	23.1	18.5
140°	37.0	37.0	34.7	34.7	32.4	32.4	30.1	25.5	23.1	18.5	16.2
142.5°	32.4	32.4	30.1	30.1	27.8	27.8	25.5	23.1	18.5	16.2	11.6
145°	27.8	27.8	25.5	25.5	25.5	23.1	20.8	18.5	16.2	13.9	11.6
147.5°	23.1	23.1	23.1	20.8	20.8	18.5	18.5	16.2	13.9	11.6	9.3
150°	20.8	20.8	18.5	18.5	18.5	16.2	13.9	13.9	11.6	9.3	6.9
152.5°	16.2	16.2	16.2	16.2	13.9	13.9	11.6	11.6	9.3	6.9	6.9
155°	13.9	13.9	13.9	11.6	11.6	11.6	9.3	9.3	6.9	6.9	4.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4	4480.4
2.5°	4455.0	4452.6	4473.5	4471.2	4443.4	4485.0	4512.8
5°	4443.4	4441.1	4459.6	4464.2	4434.1	4478.1	4508.2
7.5°	4434.1	4431.8	4452.6	4459.6	4429.5	4468.8	4501.2
10°	4436.4	4424.9	4443.4	4448.0	4420.2	4461.9	4489.7
12.5°	4452.6	4424.9	4431.8	4431.8	4406.4	4443.4	4473.5
15°	4492.0	4434.1	4424.9	4417.9	4385.5	4420.2	4450.3
17.5°	4536.0	4457.3	4424.9	4401.7	4362.4	4392.5	4424.9
20°	4579.9	4482.7	4429.5	4392.5	4339.2	4367.0	4390.2
22.5°	4600.8	4505.9	4434.1	4378.6	4311.5	4325.4	4350.8
25°	4573.0	4496.6	4424.9	4357.8	4276.8	4279.1	4299.9
27.5°	4471.2	4450.3	4404.0	4336.9	4249.0	4237.4	4253.6
30°	4297.6	4355.4	4357.8	4309.2	4216.6	4193.4	4200.4
32.5°	4054.6	4184.2	4260.6	4251.3	4170.3	4137.9	4142.5
35°	3774.6	3936.6	4103.2	4158.7	4100.9	4075.4	4066.2
37.5°	3439.0	3656.5	3878.7	4015.2	4006.0	3989.8	3980.5
40°	3068.7	3330.2	3594.0	3811.6	3878.7	3878.7	3883.3
42.5°	2673.0	2978.5	3267.7	3543.1	3700.5	3735.2	3749.1
45°	2291.1	2598.9	2913.7	3230.7	3441.3	3550.1	3589.4
47.5°	1944.0	2254.1	2552.6	2899.8	3179.8	3321.0	3383.4
50°	1647.8	1879.2	2193.9	2538.7	2844.2	3017.8	3140.5
52.5°	1402.4	1583.0	1858.4	2180.0	2487.8	2726.2	2839.6
55°	1196.5	1319.1	1552.9	1830.6	2124.5	2372.1	2504.0
57.5°	1022.9	1120.1	1279.8	1511.2	1758.8	2004.1	2145.3
60°	870.2	937.3	1046.0	1228.9	1439.5	1650.1	1786.6
62.5°	738.2	782.2	854.0	988.2	1152.5	1316.8	1444.1
65°	636.4	654.9	694.3	777.6	902.6	1027.5	1136.3
67.5°	536.9	548.5	578.6	629.5	692.0	782.2	854.0
70°	462.9	462.9	465.2	495.3	527.7	585.5	636.4
72.5°	402.7	395.7	381.9	388.8	395.7	428.1	460.5
75°	354.1	337.9	314.7	305.5	300.9	305.5	324.0
77.5°	312.4	289.3	261.5	238.4	219.9	212.9	229.1
80°	277.7	249.9	217.5	187.5	157.4	141.2	148.1
82.5°	249.9	215.2	180.5	145.8	111.1	87.9	87.9
85°	219.9	187.5	150.4	113.4	78.7	48.6	44.0
87.5°	199.0	164.3	125.0	90.3	55.5	25.5	13.9
90°	178.2	143.5	106.5	71.7	39.3	11.6	0.0
92.5°	159.7	127.3	92.6	57.9	27.8	6.9	0.0
95°	143.5	113.4	78.7	48.6	23.1	4.6	2.3
97.5°	127.3	99.5	69.4	39.3	16.2	4.6	2.3
100°	115.7	87.9	60.2	32.4	13.9	2.3	2.3
102.5°	101.8	78.7	50.9	27.8	11.6	2.3	2.3
105°	90.3	69.4	44.0	23.1	9.3	2.3	2.3
107.5°	81.0	60.2	39.3	20.8	9.3	2.3	2.3
110°	71.7	53.2	34.7	18.5	6.9	2.3	2.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	64.8	46.3	30.1	16.2	4.6	2.3	2.3
115°	55.5	41.7	25.5	13.9	4.6	2.3	2.3
117.5°	48.6	34.7	23.1	11.6	4.6	2.3	2.3
120°	41.7	30.1	18.5	9.3	2.3	2.3	2.3
122.5°	37.0	25.5	16.2	9.3	2.3	2.3	2.3
125°	32.4	23.1	13.9	6.9	2.3	2.3	2.3
127.5°	27.8	18.5	11.6	4.6	2.3	2.3	2.3
130°	23.1	16.2	9.3	4.6	2.3	2.3	2.3
132.5°	18.5	13.9	9.3	4.6	2.3	2.3	2.3
135°	16.2	11.6	6.9	4.6	2.3	2.3	2.3
137.5°	13.9	9.3	4.6	4.6	4.6	2.3	2.3
140°	11.6	6.9	4.6	4.6	4.6	4.6	2.3
142.5°	9.3	6.9	4.6	4.6	4.6	4.6	2.3
145°	6.9	4.6	4.6	4.6	4.6	4.6	2.3
147.5°	6.9	4.6	4.6	4.6	4.6	4.6	2.3
150°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
152.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
155°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)