

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-LD5-112SL-LC-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

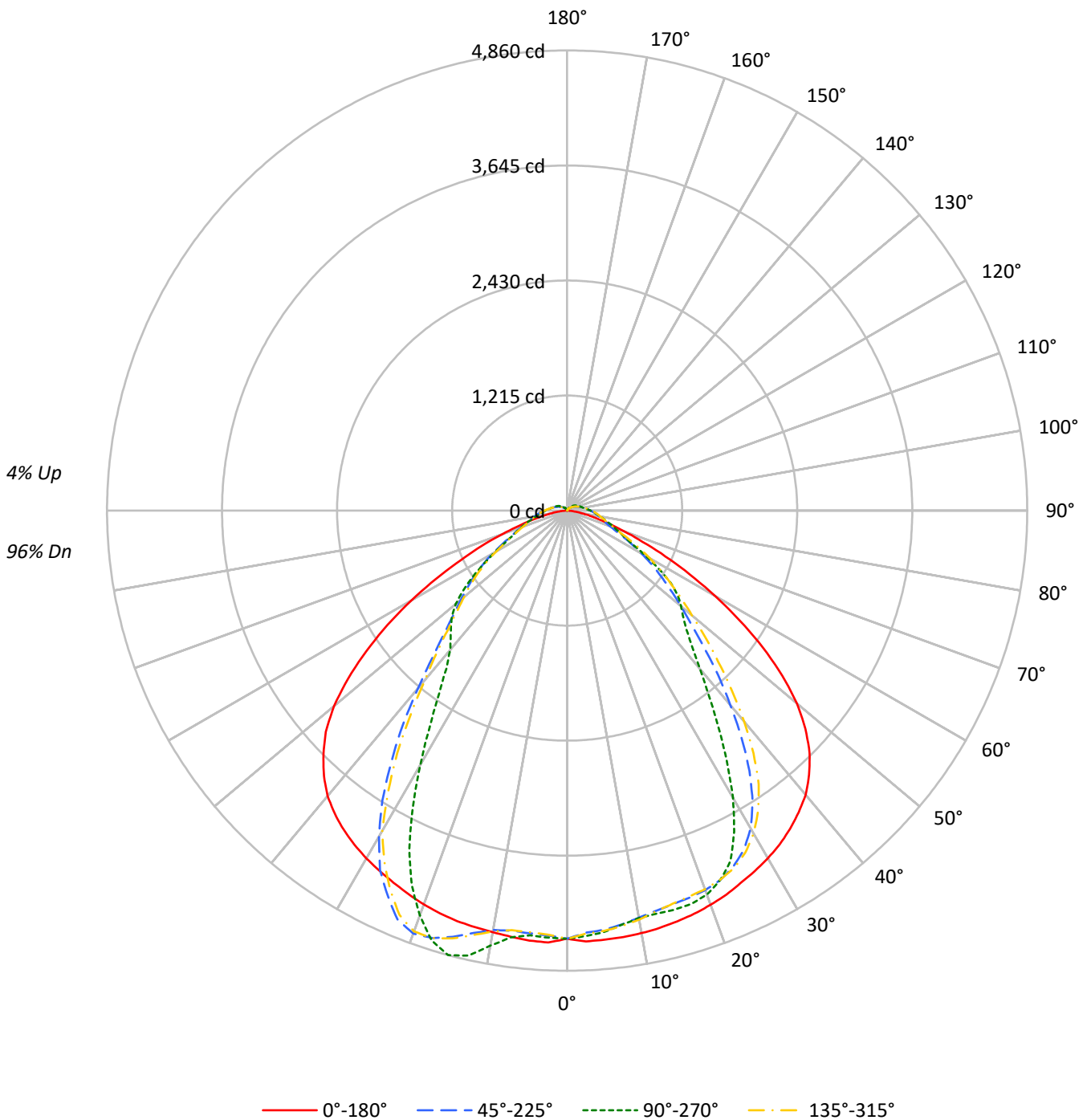
Lumens per Lamp: N/A
Luminaire Lumens: 10779.0 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 92
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°	18269	18269	18269	18269
5°	18427	17545	18465	17682
10°	18538	16815	18500	17957
15°	18709	16590	18699	18472
20°	18942	16327	18923	17211
25°	19206	15489	19195	14966
30°	19600	13424	19611	11893
35°	20022	10855	20078	9186
40°	20403	8740	20488	7701
45°	20380	7404	20485	7209
50°	19558	6816	19831	6664
55°	17413	6126	17847	5570
60°	14186	4689	14940	4300
65°	10608	3588	11429	3402
70°	7276	3097	8201	2961
75°	4824	2794	5616	2643
80°	3195	2605	3745	2397
85°	1746	2599	2297	2374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.5	4.0
10°-20°	1277.9	11.9
20°-30°	1942.7	18.0
30°-40°	2084.1	19.3
40°-50°	1808.8	16.8
50°-60°	1340.5	12.4
60°-70°	768.0	7.1
70°-80°	425.3	3.9
80°-90°	259.0	2.4
90°-100°	168.4	1.6
100°-110°	112.8	1.0
110°-120°	76.2	0.7
120°-130°	46.7	0.4
130°-140°	24.6	0.2
140°-150°	11.2	0.1
150°-160°	3.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3650.1	33.9
0°-40°	5734.2	53.2
0°-60°	8883.5	82.4
0°-90°	10335.8	95.9
90°-120°	357.4	3.3
90°-150°	439.9	4.1
90°-180°	443.0	4.1
0°-180°	10779.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4522	4522	4522	4522	4522	
5°	4550	4468	4559	4503	4550	434
15°	4491	4365	4489	4860	4491	1271
25°	4339	4082	4337	3945	4339	2006
35°	4104	2779	4115	2352	4104	2569
45°	3622	1782	3641	1735	3622	2773
55°	2527	1336	2590	1214	2527	2241
65°	1147	677	1236	642	1147	1156
75°	327	430	381	406	327	373
85°	44	297	58	271	44	58
90°	0	248	5	229	0	2
95°	2	203	0	194	2	2
105°	2	152	2	145	2	2
115°	2	124	2	112	2	2
125°	2	93	2	77	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5
2.5°	4554.2	4542.5	4537.9	4528.5	4535.5	4563.6	4544.9	4514.5	4516.8	4463.1	4491.2
5°	4549.5	4535.5	4528.5	4519.2	4523.9	4549.5	4530.9	4500.5	4498.2	4444.4	4470.1
7.5°	4542.5	4528.5	4516.8	4509.8	4512.2	4533.2	4509.8	4474.8	4467.8	4409.4	4432.8
10°	4530.9	4521.5	4505.2	4493.5	4491.2	4514.5	4477.1	4442.1	4425.8	4365.0	4388.4
12.5°	4514.5	4500.5	4484.1	4463.1	4460.8	4474.8	4444.4	4395.4	4379.1	4330.0	4355.7
15°	4491.2	4474.8	4456.1	4432.8	4421.1	4430.4	4393.1	4348.7	4346.4	4304.3	4339.3
17.5°	4465.5	4442.1	4421.1	4388.4	4372.0	4379.1	4348.7	4309.0	4313.7	4288.0	4327.7
20°	4430.4	4404.7	4372.0	4339.3	4316.0	4327.7	4306.7	4276.3	4283.3	4264.6	4299.6
22.5°	4390.7	4355.7	4316.0	4278.6	4259.9	4276.3	4259.9	4234.3	4236.6	4224.9	4245.9
25°	4339.3	4299.6	4252.9	4206.2	4196.9	4208.6	4199.2	4178.2	4168.9	4150.2	4159.5
27.5°	4292.6	4248.3	4189.9	4140.8	4124.5	4147.8	4126.8	4091.8	4066.1	4040.4	4021.7
30°	4238.9	4185.2	4119.8	4063.8	4049.7	4059.1	4028.7	3975.0	3907.3	3874.6	3823.2
32.5°	4180.5	4110.5	4028.7	3965.7	3956.3	3949.3	3893.3	3816.2	3711.1	3645.7	3566.3
35°	4103.5	4026.4	3928.3	3851.2	3837.2	3797.5	3706.4	3603.7	3468.2	3356.1	3220.6
37.5°	4017.1	3926.0	3823.2	3720.4	3680.7	3601.3	3472.9	3365.4	3159.9	3024.5	2861.0
40°	3919.0	3809.2	3683.1	3559.3	3493.9	3365.4	3218.3	3059.5	2861.0	2678.8	2541.0
42.5°	3783.5	3666.7	3517.3	3379.5	3267.4	3096.9	2924.0	2699.8	2517.7	2363.5	2223.4
45°	3622.4	3482.2	3309.4	3143.6	3001.1	2797.9	2594.7	2370.5	2218.7	2038.9	1943.1
47.5°	3414.5	3262.7	3078.2	2893.7	2706.8	2482.6	2270.1	2055.2	1903.4	1775.0	1704.9
50°	3169.3	3029.1	2825.9	2606.4	2400.9	2167.3	1954.8	1793.7	1646.5	1567.1	1513.4
52.5°	2865.7	2734.9	2527.0	2288.8	2090.3	1861.4	1667.5	1536.8	1431.7	1373.3	1354.6
55°	2527.0	2412.6	2207.0	1985.2	1782.0	1571.8	1424.7	1310.2	1242.5	1207.5	1209.8
57.5°	2165.0	2076.3	1882.4	1683.9	1492.4	1333.6	1200.4	1109.4	1058.0	1055.6	1062.6
60°	1803.0	1737.6	1569.5	1399.0	1230.8	1102.4	1004.3	941.2	908.5	910.8	908.5
62.5°	1457.3	1396.6	1275.2	1135.1	1001.9	915.5	826.8	801.1	773.0	770.7	770.7
65°	1146.7	1100.0	1001.9	901.5	801.1	745.0	700.6	670.3	649.3	644.6	646.9
67.5°	861.8	843.1	775.4	707.7	644.6	609.6	572.2	565.2	548.8	548.8	553.5
70°	642.3	628.2	590.9	551.2	525.5	502.1	483.4	483.4	481.1	478.8	490.5
72.5°	464.8	467.1	455.4	425.1	422.7	418.1	413.4	420.4	422.7	429.7	443.7
75°	327.0	334.0	334.0	329.3	338.6	350.3	357.3	369.0	383.0	392.4	408.7
77.5°	231.2	231.2	242.9	256.9	275.6	296.6	315.3	331.6	350.3	362.0	376.0
80°	149.5	156.5	175.2	200.9	226.5	254.6	280.3	301.3	320.0	338.6	348.0
82.5°	88.7	100.4	123.8	156.5	189.2	224.2	249.9	275.6	296.6	315.3	322.3
85°	44.4	60.7	88.7	123.8	158.8	196.2	228.9	252.2	275.6	291.9	301.3
87.5°	14.0	32.7	63.1	95.8	133.1	170.5	205.5	231.2	252.2	266.2	275.6
90°	0.0	16.3	44.4	79.4	114.4	151.8	184.5	212.5	233.5	245.2	252.2
92.5°	0.0	9.3	35.0	65.4	98.1	135.5	168.2	193.8	212.5	224.2	228.9
95°	2.3	7.0	25.7	53.7	86.4	121.4	151.8	175.2	193.8	205.5	207.9
97.5°	2.3	4.7	21.0	44.4	74.7	107.4	137.8	161.1	175.2	186.8	189.2
100°	2.3	4.7	16.3	39.7	65.4	95.8	123.8	144.8	161.1	170.5	172.8
102.5°	2.3	2.3	14.0	32.7	58.4	84.1	109.8	130.8	144.8	154.1	158.8
105°	2.3	2.3	11.7	28.0	51.4	74.7	98.1	119.1	130.8	140.1	144.8
107.5°	2.3	2.3	9.3	23.4	44.4	65.4	88.7	105.1	119.1	128.5	133.1
110°	2.3	2.3	7.0	21.0	37.4	58.4	77.1	93.4	107.4	116.8	121.4



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CATALOG NUMBER: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.3	2.3	7.0	18.7	32.7	51.4	67.7	84.1	95.8	105.1	112.1
115°	2.3	2.3	7.0	16.3	30.4	44.4	60.7	74.7	86.4	95.8	102.8
117.5°	2.3	2.3	7.0	14.0	25.7	39.7	53.7	67.7	77.1	86.4	93.4
120°	2.3	2.3	4.7	11.7	23.4	35.0	46.7	58.4	70.1	79.4	86.4
122.5°	2.3	2.3	4.7	11.7	18.7	30.4	42.0	51.4	63.1	70.1	77.1
125°	2.3	2.3	4.7	9.3	16.3	28.0	37.4	46.7	53.7	63.1	70.1
127.5°	2.3	2.3	4.7	9.3	14.0	23.4	32.7	42.0	49.0	56.1	60.7
130°	2.3	2.3	4.7	7.0	11.7	18.7	28.0	35.0	44.4	49.0	53.7
132.5°	2.3	2.3	2.3	7.0	9.3	14.0	21.0	30.4	37.4	44.4	46.7
135°	2.3	2.3	2.3	4.7	9.3	11.7	16.3	23.4	30.4	37.4	42.0
137.5°	2.3	2.3	2.3	4.7	7.0	11.7	14.0	18.7	25.7	30.4	37.4
140°	2.3	2.3	2.3	4.7	7.0	9.3	11.7	16.3	21.0	25.7	30.4
142.5°	2.3	2.3	2.3	4.7	4.7	7.0	9.3	14.0	16.3	21.0	25.7
145°	2.3	2.3	2.3	4.7	4.7	7.0	9.3	11.7	14.0	16.3	21.0
147.5°	2.3	2.3	2.3	4.7	4.7	4.7	7.0	9.3	11.7	14.0	16.3
150°	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	9.3	11.7	14.0
152.5°	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	7.0	9.3	11.7
155°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	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°	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5
2.5°	4481.8	4486.5	4514.5	4512.2	4507.5	4502.8	4502.8	4498.2	4502.8	4514.5	4509.8
5°	4458.5	4465.5	4486.5	4484.1	4479.5	4477.1	4474.8	4467.8	4472.5	4488.8	4484.1
7.5°	4416.4	4423.4	4442.1	4432.8	4425.8	4430.4	4418.8	4411.7	4421.1	4437.4	4435.1
10°	4372.0	4376.7	4400.1	4395.4	4383.7	4386.1	4374.4	4369.7	4381.4	4390.7	4393.1
12.5°	4341.7	4358.0	4379.1	4376.7	4374.4	4376.7	4365.0	4360.4	4367.4	4376.7	4374.4
15°	4334.7	4355.7	4379.1	4379.1	4381.4	4383.7	4372.0	4365.0	4372.0	4379.1	4376.7
17.5°	4327.7	4353.4	4374.4	4372.0	4374.4	4379.1	4360.4	4355.7	4365.0	4374.4	4369.7
20°	4304.3	4327.7	4341.7	4337.0	4337.0	4339.3	4316.0	4316.0	4330.0	4337.0	4339.3
22.5°	4238.9	4266.9	4266.9	4255.3	4255.3	4245.9	4238.9	4224.9	4241.3	4252.9	4262.3
25°	4140.8	4152.5	4138.5	4112.8	4098.8	4087.1	4054.4	4082.4	4082.4	4117.5	4129.2
27.5°	4003.0	3977.3	3937.6	3883.9	3872.2	3834.9	3813.9	3820.9	3832.5	3881.6	3919.0
30°	3776.5	3699.4	3631.7	3608.3	3557.0	3519.6	3482.2	3500.9	3521.9	3550.0	3627.0
32.5°	3477.6	3402.8	3293.0	3253.3	3199.6	3152.9	3108.5	3136.6	3173.9	3192.6	3276.7
35°	3134.2	3045.5	2945.1	2877.3	2821.3	2795.6	2739.5	2779.2	2818.9	2833.0	2905.4
37.5°	2769.9	2678.8	2590.1	2531.7	2478.0	2461.6	2424.2	2452.3	2482.6	2503.6	2564.4
40°	2424.2	2340.2	2272.4	2232.7	2195.4	2181.4	2167.3	2179.0	2202.4	2218.7	2265.4
42.5°	2127.6	2059.9	2013.2	1989.8	1964.2	1945.5	1947.8	1952.5	1964.2	1999.2	2020.2
45°	1868.4	1828.7	1798.3	1793.7	1777.3	1775.0	1772.6	1782.0	1789.0	1810.0	1826.4
47.5°	1660.5	1644.2	1637.2	1646.5	1653.5	1644.2	1648.9	1660.5	1674.5	1674.5	1672.2
50°	1497.1	1501.7	1511.1	1532.1	1546.1	1550.8	1555.4	1569.5	1571.8	1576.5	1569.5
52.5°	1363.9	1368.6	1394.3	1427.0	1443.3	1450.3	1459.7	1473.7	1473.7	1478.4	1469.0
55°	1228.5	1235.5	1261.2	1293.9	1307.9	1317.2	1326.6	1335.9	1342.9	1352.3	1345.2
57.5°	1079.0	1100.0	1116.4	1125.7	1135.1	1142.1	1149.1	1151.4	1165.4	1167.7	1179.4
60°	920.2	924.9	941.2	938.9	931.9	950.5	941.2	957.6	973.9	994.9	997.3
62.5°	768.4	770.7	782.4	777.7	787.1	784.7	791.7	791.7	803.4	812.8	824.4
65°	649.3	651.6	660.9	660.9	658.6	665.6	672.6	677.3	677.3	684.3	693.6
67.5°	560.5	567.5	576.9	581.5	586.2	586.2	593.2	595.6	600.2	602.6	607.2
70°	499.8	509.1	518.5	523.2	525.5	530.2	532.5	532.5	537.2	539.5	544.2
72.5°	455.4	464.8	471.8	471.8	476.4	478.8	478.8	481.1	483.4	488.1	492.8
75°	418.1	425.1	429.7	427.4	427.4	427.4	429.7	429.7	434.4	439.1	443.7
77.5°	383.0	390.0	390.0	385.4	385.4	385.4	385.4	387.7	390.0	394.7	399.4
80°	357.3	357.3	355.0	355.0	350.3	348.0	348.0	350.3	350.3	355.0	362.0
82.5°	329.3	329.3	327.0	324.6	322.3	320.0	320.0	322.3	324.6	327.0	331.6
85°	303.6	303.6	298.9	298.9	296.6	296.6	296.6	296.6	298.9	301.3	305.9
87.5°	277.9	275.6	273.3	270.9	270.9	270.9	270.9	270.9	273.3	277.9	280.3
90°	252.2	249.9	247.6	247.6	245.2	245.2	247.6	247.6	249.9	252.2	254.6
92.5°	228.9	226.5	224.2	224.2	221.9	221.9	224.2	221.9	226.5	226.5	228.9
95°	207.9	205.5	203.2	203.2	203.2	203.2	203.2	203.2	205.5	205.5	207.9
97.5°	189.2	186.8	184.5	184.5	186.8	184.5	186.8	186.8	186.8	189.2	191.5
100°	172.8	170.5	170.5	172.8	170.5	170.5	172.8	172.8	172.8	172.8	175.2
102.5°	158.8	158.8	158.8	158.8	158.8	158.8	161.1	161.1	161.1	161.1	163.5
105°	144.8	147.1	147.1	147.1	149.5	149.5	149.5	151.8	151.8	151.8	151.8
107.5°	135.5	137.8	137.8	140.1	140.1	142.5	142.5	142.5	142.5	144.8	144.8
110°	126.1	128.5	130.8	133.1	133.1	135.5	135.5	135.5	135.5	135.5	135.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	116.8	119.1	121.4	126.1	128.5	128.5	128.5	128.5	130.8	130.8	128.5
115°	107.4	112.1	114.4	119.1	121.4	121.4	123.8	123.8	123.8	123.8	121.4
117.5°	98.1	105.1	107.4	112.1	114.4	114.4	116.8	116.8	116.8	116.8	114.4
120°	91.1	95.8	100.4	102.8	105.1	107.4	107.4	109.8	109.8	109.8	107.4
122.5°	84.1	88.7	93.4	95.8	98.1	100.4	100.4	100.4	100.4	100.4	100.4
125°	74.7	79.4	84.1	86.4	88.7	91.1	91.1	93.4	93.4	93.4	91.1
127.5°	67.7	72.4	74.7	79.4	81.7	81.7	84.1	84.1	84.1	84.1	81.7
130°	58.4	63.1	67.7	70.1	72.4	72.4	74.7	74.7	74.7	74.7	74.7
132.5°	51.4	56.1	58.4	63.1	63.1	65.4	65.4	67.7	67.7	67.7	65.4
135°	46.7	49.0	51.4	56.1	56.1	58.4	58.4	58.4	58.4	58.4	58.4
137.5°	42.0	44.4	46.7	49.0	49.0	51.4	51.4	51.4	51.4	53.7	51.4
140°	35.0	39.7	42.0	42.0	44.4	44.4	44.4	46.7	46.7	46.7	44.4
142.5°	30.4	32.7	35.0	37.4	39.7	39.7	39.7	39.7	42.0	39.7	39.7
145°	23.4	28.0	30.4	32.7	35.0	35.0	35.0	35.0	35.0	35.0	35.0
147.5°	18.7	21.0	25.7	28.0	28.0	30.4	30.4	30.4	30.4	30.4	30.4
150°	16.3	16.3	21.0	23.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7
152.5°	11.7	14.0	16.3	18.7	21.0	21.0	21.0	21.0	21.0	21.0	21.0
155°	11.7	11.7	14.0	14.0	16.3	16.3	16.3	16.3	18.7	16.3	16.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5
2.5°	4502.8	4500.5	4509.8	4500.5	4453.8	4472.5	4465.5	4491.2	4493.5	4500.5	4523.9
5°	4479.5	4479.5	4491.2	4481.8	4437.4	4456.1	4453.8	4479.5	4484.1	4488.8	4514.5
7.5°	4432.8	4435.1	4451.5	4444.4	4397.7	4425.8	4423.4	4453.8	4463.1	4472.5	4495.8
10°	4388.4	4386.1	4404.7	4397.7	4353.4	4386.1	4383.7	4414.1	4428.1	4444.4	4472.5
12.5°	4365.0	4358.0	4365.0	4358.0	4309.0	4334.7	4337.0	4372.0	4388.4	4409.4	4442.1
15°	4365.0	4353.4	4353.4	4339.3	4283.3	4299.6	4302.0	4325.3	4346.4	4367.4	4407.1
17.5°	4360.4	4348.7	4346.4	4334.7	4274.0	4274.0	4271.6	4288.0	4299.6	4320.7	4362.7
20°	4334.7	4330.0	4327.7	4320.7	4264.6	4255.3	4250.6	4250.6	4257.6	4264.6	4306.7
22.5°	4266.9	4271.6	4276.3	4281.0	4236.6	4220.2	4222.6	4217.9	4210.9	4210.9	4245.9
25°	4140.8	4164.2	4182.9	4203.9	4178.2	4166.5	4180.5	4173.5	4161.9	4152.5	4182.9
27.5°	3940.0	3989.0	4028.7	4080.1	4082.4	4073.1	4110.5	4105.8	4103.5	4089.5	4112.8
30°	3662.1	3739.1	3792.8	3867.6	3930.6	3940.0	4003.0	4012.4	4021.7	4014.7	4038.1
32.5°	3325.7	3430.8	3521.9	3638.7	3699.4	3753.1	3841.9	3879.3	3916.6	3928.3	3954.0
35°	2959.1	3078.2	3185.6	3314.1	3409.8	3526.6	3634.0	3690.1	3774.2	3806.9	3844.2
37.5°	2611.1	2723.2	2828.3	2956.7	3110.9	3232.3	3365.4	3491.6	3606.0	3652.7	3708.8
40°	2302.8	2393.9	2494.3	2606.4	2746.5	2905.4	3050.2	3225.3	3360.8	3454.2	3535.9
42.5°	2069.2	2113.6	2200.0	2300.5	2412.6	2573.7	2720.9	2917.0	3080.5	3213.6	3349.1
45°	1861.4	1882.4	1945.5	1999.2	2113.6	2256.1	2412.6	2604.1	2774.6	2945.1	3108.5
47.5°	1683.9	1709.6	1739.9	1772.6	1854.4	1973.5	2109.0	2281.8	2452.3	2650.8	2837.6
50°	1564.8	1571.8	1576.5	1590.5	1639.5	1721.3	1831.0	1978.2	2141.6	2354.2	2552.7
52.5°	1459.7	1459.7	1445.7	1438.7	1457.3	1508.7	1571.8	1676.9	1845.0	2041.2	2251.4
55°	1347.6	1326.6	1321.9	1298.5	1303.2	1326.6	1356.9	1438.7	1576.5	1744.6	1947.8
57.5°	1191.1	1181.8	1181.8	1172.4	1153.7	1165.4	1172.4	1230.8	1328.9	1473.7	1651.2
60°	1011.3	1006.6	1018.3	1020.6	1004.3	1011.3	1008.9	1044.0	1114.0	1230.8	1377.9
62.5°	831.4	852.5	854.8	864.1	854.8	852.5	864.1	894.5	929.5	1018.3	1132.7
65°	698.3	710.0	712.3	724.0	719.3	719.3	728.7	752.0	773.0	833.8	922.5
67.5°	611.9	607.2	609.6	616.6	609.6	607.2	614.2	628.2	644.6	682.0	745.0
70°	544.2	539.5	539.5	539.5	530.2	523.2	525.5	530.2	537.2	558.2	597.9
72.5°	492.8	492.8	485.8	478.8	471.8	467.1	462.4	457.8	455.4	462.4	483.4
75°	446.1	448.4	446.1	439.1	429.7	420.4	411.0	401.7	390.0	385.4	387.7
77.5°	404.0	406.4	408.7	406.4	397.0	385.4	371.3	357.3	341.0	324.6	315.3
80°	366.7	371.3	373.7	371.3	364.3	355.0	338.6	322.3	298.9	277.9	254.6
82.5°	334.0	341.0	343.3	343.3	338.6	329.3	310.6	291.9	266.2	238.2	207.9
85°	308.3	313.0	317.6	317.6	315.3	305.9	287.3	266.2	240.6	207.9	175.2
87.5°	282.6	284.9	289.6	294.3	289.6	280.3	263.9	240.6	214.9	182.2	144.8
90°	256.9	259.2	263.9	268.6	266.2	256.9	242.9	221.9	193.8	158.8	121.4
92.5°	231.2	235.9	238.2	240.6	242.9	235.9	224.2	203.2	175.2	140.1	105.1
95°	212.5	212.5	217.2	219.5	221.9	214.9	205.5	184.5	158.8	126.1	91.1
97.5°	193.8	193.8	198.5	198.5	200.9	196.2	186.8	168.2	142.5	112.1	77.1
100°	175.2	177.5	179.8	182.2	182.2	179.8	170.5	151.8	128.5	100.4	67.7
102.5°	163.5	163.5	165.8	165.8	168.2	163.5	154.1	137.8	114.4	88.7	58.4
105°	151.8	151.8	154.1	154.1	151.8	147.1	137.8	123.8	102.8	77.1	51.4
107.5°	142.5	142.5	142.5	142.5	140.1	135.5	126.1	109.8	91.1	70.1	46.7
110°	135.5	133.1	133.1	130.8	128.5	121.4	112.1	98.1	81.7	60.7	39.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	128.5	126.1	123.8	121.4	116.8	109.8	100.4	88.7	72.4	53.7	35.0
115°	121.4	119.1	116.8	112.1	107.4	100.4	91.1	79.4	63.1	46.7	30.4
117.5°	114.4	112.1	107.4	102.8	98.1	91.1	81.7	70.1	56.1	42.0	28.0
120°	105.1	102.8	100.4	95.8	91.1	81.7	72.4	63.1	49.0	37.4	23.4
122.5°	98.1	95.8	91.1	88.7	81.7	74.7	65.4	56.1	44.4	32.7	21.0
125°	88.7	86.4	84.1	79.4	74.7	65.4	58.4	49.0	39.7	28.0	16.3
127.5°	81.7	79.4	74.7	70.1	65.4	58.4	51.4	44.4	35.0	23.4	16.3
130°	72.4	70.1	67.7	63.1	58.4	51.4	46.7	37.4	30.4	21.0	14.0
132.5°	63.1	63.1	60.7	56.1	51.4	46.7	39.7	32.7	25.7	18.7	11.7
135°	58.4	56.1	53.7	49.0	46.7	39.7	35.0	28.0	21.0	16.3	9.3
137.5°	51.4	49.0	46.7	44.4	39.7	35.0	30.4	23.4	18.7	14.0	9.3
140°	44.4	42.0	42.0	37.4	35.0	30.4	25.7	21.0	16.3	11.7	7.0
142.5°	39.7	37.4	35.0	32.7	30.4	25.7	21.0	16.3	14.0	9.3	7.0
145°	35.0	32.7	30.4	28.0	25.7	21.0	18.7	14.0	11.7	9.3	7.0
147.5°	28.0	28.0	25.7	23.4	21.0	18.7	16.3	14.0	9.3	7.0	4.7
150°	23.4	23.4	21.0	18.7	18.7	16.3	14.0	11.7	9.3	7.0	4.7
152.5°	21.0	18.7	18.7	16.3	16.3	14.0	11.7	9.3	7.0	7.0	4.7
155°	16.3	16.3	16.3	14.0	14.0	11.7	9.3	9.3	7.0	4.7	4.7
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-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5
2.5°	4528.5	4500.5	4523.9	4565.9	4561.2	4556.5	4551.9	4561.2	4591.6	4575.2	4549.5
5°	4521.5	4493.5	4519.2	4558.9	4556.5	4549.5	4544.9	4554.2	4584.6	4568.2	4540.2
7.5°	4507.5	4481.8	4500.5	4540.2	4540.2	4535.5	4530.9	4540.2	4568.2	4554.2	4526.2
10°	4484.1	4465.5	4484.1	4521.5	4523.9	4514.5	4509.8	4521.5	4549.5	4542.5	4519.2
12.5°	4465.5	4446.8	4467.8	4505.2	4507.5	4498.2	4491.2	4505.2	4542.5	4547.2	4540.2
15°	4439.8	4423.4	4449.1	4488.8	4488.8	4481.8	4481.8	4500.5	4551.9	4572.9	4584.6
17.5°	4402.4	4390.7	4421.1	4460.8	4463.1	4458.5	4460.8	4498.2	4565.9	4617.3	4650.0
20°	4355.7	4351.0	4383.7	4425.8	4432.8	4435.1	4446.8	4502.8	4596.3	4666.3	4699.0
22.5°	4299.6	4302.0	4339.3	4383.7	4393.1	4400.1	4423.4	4502.8	4619.6	4694.3	4708.4
25°	4236.6	4243.6	4283.3	4337.0	4348.7	4362.7	4402.4	4505.2	4626.6	4675.7	4652.3
27.5°	4168.9	4182.9	4234.3	4290.3	4304.3	4327.7	4379.1	4491.2	4593.9	4596.3	4509.8
30°	4098.8	4115.1	4175.9	4241.3	4264.6	4288.0	4351.0	4458.5	4514.5	4439.8	4288.0
32.5°	4019.4	4042.7	4103.5	4182.9	4210.9	4241.3	4304.3	4395.4	4374.4	4213.2	3996.0
35°	3919.0	3951.7	4021.7	4115.1	4140.8	4180.5	4224.9	4245.9	4152.5	3923.6	3678.4
37.5°	3795.2	3844.2	3926.0	4033.4	4061.4	4087.1	4098.8	4040.4	3853.6	3606.0	3351.4
40°	3652.7	3727.4	3816.2	3935.3	3963.3	3963.3	3921.3	3797.5	3561.6	3237.0	2954.4
42.5°	3479.9	3571.0	3683.1	3802.2	3830.2	3797.5	3697.1	3479.9	3211.3	2849.3	2550.4
45°	3269.7	3391.1	3517.3	3641.0	3655.0	3582.6	3402.8	3127.2	2795.6	2459.3	2174.3
47.5°	3019.8	3178.6	3316.4	3456.5	3437.8	3316.4	3075.8	2762.9	2412.6	2094.9	1866.1
50°	2739.5	2926.4	3080.5	3213.6	3173.9	3005.8	2723.2	2396.2	2048.2	1777.3	1588.1
52.5°	2440.6	2655.5	2809.6	2917.0	2863.3	2662.5	2351.8	2038.9	1754.0	1506.4	1380.3
55°	2130.0	2347.2	2506.0	2590.1	2520.0	2302.8	1996.8	1711.9	1443.3	1282.2	1207.5
57.5°	1828.7	2031.9	2181.4	2249.1	2160.3	1943.1	1660.5	1420.0	1226.1	1090.7	1053.3
60°	1539.1	1704.9	1847.4	1898.8	1803.0	1602.1	1359.3	1167.7	1025.3	931.9	913.2
62.5°	1270.5	1406.0	1518.1	1557.8	1464.4	1307.9	1097.7	955.2	854.8	808.1	784.7
65°	1048.6	1128.0	1242.5	1235.5	1179.4	1034.6	880.5	780.1	714.7	684.3	670.3
67.5°	824.4	896.8	969.2	978.6	908.5	808.1	707.7	635.3	600.2	583.9	576.9
70°	637.6	691.3	735.7	724.0	686.6	623.6	560.5	520.8	506.8	499.8	499.8
72.5°	495.1	523.2	544.2	530.2	506.8	474.1	443.7	427.4	429.7	434.4	439.1
75°	383.0	390.0	394.7	380.7	376.0	355.0	352.7	355.0	369.0	383.0	390.0
77.5°	294.3	284.9	277.9	263.9	266.2	263.9	275.6	294.3	315.3	336.3	355.0
80°	226.5	205.5	189.2	175.2	182.2	193.8	217.2	245.2	273.3	296.6	320.0
82.5°	175.2	144.8	121.4	107.4	121.4	140.1	170.5	205.5	238.2	263.9	289.6
85°	135.5	100.4	72.4	58.4	72.4	100.4	133.1	172.8	207.9	235.9	261.6
87.5°	105.1	72.4	39.7	23.4	39.7	70.1	107.4	144.8	179.8	212.5	238.2
90°	84.1	49.0	18.7	4.7	21.0	49.0	84.1	121.4	156.5	191.5	217.2
92.5°	67.7	35.0	9.3	0.0	11.7	37.4	70.1	105.1	140.1	172.8	198.5
95°	56.1	28.0	7.0	0.0	9.3	28.0	56.1	91.1	123.8	156.5	177.5
97.5°	46.7	21.0	4.7	0.0	4.7	23.4	46.7	77.1	109.8	140.1	161.1
100°	39.7	18.7	4.7	0.0	4.7	18.7	39.7	67.7	95.8	123.8	144.8
102.5°	32.7	14.0	2.3	2.3	2.3	14.0	35.0	58.4	84.1	109.8	130.8
105°	30.4	11.7	2.3	2.3	2.3	11.7	30.4	51.4	74.7	98.1	116.8
107.5°	25.7	9.3	2.3	2.3	2.3	9.3	25.7	44.4	67.7	88.7	105.1
110°	21.0	9.3	2.3	2.3	2.3	9.3	21.0	39.7	58.4	77.1	93.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	18.7	7.0	2.3	2.3	2.3	7.0	18.7	35.0	51.4	70.1	84.1
115°	16.3	7.0	2.3	2.3	2.3	7.0	16.3	30.4	44.4	60.7	74.7
117.5°	14.0	7.0	2.3	2.3	2.3	4.7	14.0	25.7	39.7	53.7	67.7
120°	11.7	4.7	2.3	2.3	2.3	4.7	11.7	23.4	35.0	46.7	58.4
122.5°	11.7	4.7	2.3	2.3	2.3	4.7	9.3	18.7	30.4	39.7	51.4
125°	9.3	4.7	2.3	2.3	2.3	2.3	9.3	16.3	25.7	35.0	44.4
127.5°	9.3	4.7	2.3	2.3	2.3	2.3	7.0	14.0	21.0	30.4	39.7
130°	7.0	4.7	2.3	2.3	2.3	2.3	4.7	11.7	18.7	25.7	32.7
132.5°	7.0	4.7	2.3	2.3	2.3	2.3	4.7	9.3	14.0	21.0	28.0
135°	7.0	2.3	2.3	2.3	2.3	2.3	2.3	7.0	11.7	16.3	21.0
137.5°	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	9.3	11.7	18.7
140°	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	9.3	14.0
142.5°	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	11.7
145°	4.7	2.3	2.3	4.7	4.7	2.3	2.3	4.7	4.7	7.0	9.3
147.5°	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0
152.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
155°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5
2.5°	4544.9	4491.2	4519.2	4509.8	4519.2	4542.5	4540.2	4533.2	4537.9	4526.2	4514.5
5°	4535.5	4481.8	4509.8	4498.2	4509.8	4533.2	4528.5	4521.5	4528.5	4514.5	4502.8
7.5°	4523.9	4474.8	4507.5	4505.2	4526.2	4556.5	4558.9	4558.9	4575.2	4554.2	4544.9
10°	4523.9	4498.2	4542.5	4558.9	4612.6	4652.3	4657.0	4666.3	4694.3	4689.7	4666.3
12.5°	4572.9	4568.2	4633.6	4673.3	4722.4	4778.4	4808.8	4818.1	4836.8	4822.8	4813.5
15°	4636.0	4659.3	4731.7	4776.1	4829.8	4871.8	4878.8	4883.5	4897.5	4876.5	4860.2
17.5°	4720.0	4734.0	4792.4	4811.1	4846.2	4853.2	4843.8	4820.5	4820.5	4773.8	4759.7
20°	4759.7	4752.7	4776.1	4745.7	4731.7	4689.7	4650.0	4605.6	4603.3	4554.2	4549.5
22.5°	4724.7	4678.0	4628.9	4554.2	4521.5	4460.8	4407.1	4381.4	4365.0	4302.0	4285.6
25°	4600.9	4486.5	4414.1	4325.3	4245.9	4175.9	4124.5	4070.8	4019.4	3968.0	3944.6
27.5°	4386.1	4278.6	4161.9	4038.1	3928.3	3820.9	3734.5	3680.7	3631.7	3564.0	3528.9
30°	4122.1	3972.7	3844.2	3725.1	3545.3	3414.5	3342.1	3234.7	3197.3	3166.9	3101.5
32.5°	3811.5	3631.7	3456.5	3295.4	3110.9	2989.4	2893.7	2814.3	2790.9	2711.5	2692.8
35°	3468.2	3232.3	3033.8	2875.0	2741.9	2594.7	2515.3	2461.6	2414.9	2361.2	2351.8
37.5°	3064.2	2851.6	2627.4	2487.3	2382.2	2256.1	2195.4	2158.0	2137.0	2097.3	2090.3
40°	2657.8	2445.3	2291.1	2151.0	2085.6	2017.9	1973.5	1957.1	1947.8	1933.8	1919.8
42.5°	2288.8	2101.9	1992.2	1898.8	1870.7	1838.0	1826.4	1835.7	1826.4	1821.7	1819.4
45°	1975.8	1833.4	1756.3	1728.3	1721.3	1711.9	1721.3	1737.6	1739.9	1735.3	1735.3
47.5°	1690.9	1623.2	1590.5	1595.1	1606.8	1613.8	1630.2	1651.2	1655.9	1644.2	1648.9
50°	1504.1	1464.4	1457.3	1476.0	1501.7	1511.1	1529.7	1546.1	1543.8	1539.1	1534.4
52.5°	1328.9	1317.2	1335.9	1354.6	1382.6	1387.3	1394.3	1401.3	1399.0	1389.6	1384.9
55°	1181.8	1191.1	1207.5	1214.5	1235.5	1233.1	1235.5	1235.5	1226.1	1221.5	1214.5
57.5°	1048.6	1051.0	1060.3	1062.6	1074.3	1069.7	1067.3	1062.6	1048.6	1046.3	1039.3
60°	913.2	908.5	929.5	913.2	922.5	913.2	910.8	899.2	885.2	882.8	878.1
62.5°	784.7	775.4	789.4	782.4	787.1	777.7	773.0	759.0	747.4	745.0	742.7
65°	670.3	665.6	679.6	677.3	682.0	670.3	665.6	656.3	646.9	644.6	642.3
67.5°	574.5	586.2	593.2	593.2	597.9	595.6	583.9	581.5	579.2	569.9	569.9
70°	504.5	511.5	525.5	527.8	525.5	530.2	520.8	518.5	516.1	511.5	509.1
72.5°	448.4	457.8	471.8	474.1	471.8	471.8	467.1	464.8	464.8	457.8	457.8
75°	404.0	415.7	427.4	427.4	427.4	422.7	418.1	418.1	413.4	411.0	406.4
77.5°	366.7	380.7	390.0	387.7	385.4	380.7	380.7	373.7	366.7	366.7	362.0
80°	338.6	348.0	355.0	352.7	350.3	343.3	341.0	334.0	329.3	322.3	322.3
82.5°	308.3	320.0	324.6	322.3	317.6	310.6	308.3	303.6	298.9	296.6	291.9
85°	282.6	294.3	296.6	291.9	287.3	282.6	280.3	277.9	275.6	270.9	270.9
87.5°	256.9	268.6	268.6	266.2	261.6	259.2	256.9	254.6	252.2	249.9	247.6
90°	235.9	245.2	245.2	242.9	240.6	238.2	235.9	233.5	231.2	228.9	228.9
92.5°	214.9	224.2	224.2	221.9	219.5	217.2	217.2	214.9	212.5	210.2	207.9
95°	196.2	205.5	205.5	205.5	203.2	200.9	200.9	198.5	196.2	196.2	193.8
97.5°	177.5	186.8	186.8	186.8	184.5	182.2	182.2	179.8	179.8	179.8	177.5
100°	161.1	168.2	170.5	170.5	168.2	168.2	168.2	165.8	165.8	165.8	163.5
102.5°	144.8	151.8	156.5	156.5	156.5	154.1	154.1	154.1	154.1	154.1	151.8
105°	130.8	137.8	142.5	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
107.5°	119.1	126.1	130.8	133.1	135.5	135.5	137.8	137.8	137.8	137.8	137.8
110°	107.4	114.4	121.4	123.8	126.1	128.5	128.5	130.8	128.5	128.5	128.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	95.8	105.1	109.8	114.4	116.8	119.1	121.4	121.4	121.4	121.4	121.4
115°	86.4	95.8	100.4	105.1	109.8	112.1	112.1	114.4	114.4	114.4	112.1
117.5°	77.1	86.4	91.1	95.8	98.1	102.8	105.1	105.1	105.1	105.1	102.8
120°	70.1	77.1	81.7	86.4	91.1	93.4	95.8	95.8	95.8	95.8	95.8
122.5°	60.7	67.7	74.7	79.4	81.7	84.1	86.4	86.4	86.4	86.4	86.4
125°	53.7	60.7	65.4	70.1	72.4	77.1	77.1	77.1	77.1	77.1	77.1
127.5°	46.7	53.7	58.4	63.1	65.4	67.7	70.1	70.1	70.1	70.1	70.1
130°	39.7	46.7	51.4	56.1	58.4	60.7	60.7	63.1	63.1	63.1	63.1
132.5°	35.0	39.7	44.4	49.0	51.4	53.7	53.7	56.1	56.1	56.1	56.1
135°	28.0	35.0	37.4	42.0	44.4	46.7	46.7	49.0	49.0	49.0	49.0
137.5°	23.4	28.0	32.7	37.4	39.7	39.7	42.0	42.0	44.4	44.4	44.4
140°	18.7	21.0	28.0	30.4	32.7	35.0	37.4	37.4	37.4	37.4	37.4
142.5°	14.0	18.7	21.0	25.7	28.0	30.4	32.7	32.7	32.7	32.7	32.7
145°	11.7	14.0	16.3	21.0	23.4	25.7	28.0	28.0	28.0	28.0	28.0
147.5°	9.3	11.7	14.0	16.3	18.7	21.0	23.4	23.4	23.4	23.4	23.4
150°	7.0	9.3	11.7	11.7	14.0	16.3	18.7	21.0	21.0	21.0	21.0
152.5°	7.0	7.0	9.3	9.3	11.7	14.0	16.3	16.3	16.3	16.3	16.3
155°	4.7	7.0	7.0	7.0	9.3	9.3	11.7	14.0	14.0	14.0	14.0
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-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5
2.5°	4521.5	4530.9	4526.2	4519.2	4516.8	4528.5	4516.8	4463.1	4484.1	4486.5	4502.8
5°	4514.5	4521.5	4516.8	4512.2	4505.2	4519.2	4505.2	4449.1	4470.1	4472.5	4488.8
7.5°	4561.2	4563.6	4563.6	4551.9	4533.2	4540.2	4521.5	4458.5	4470.1	4470.1	4481.8
10°	4678.0	4682.7	4689.7	4659.3	4636.0	4617.3	4591.6	4514.5	4512.2	4493.5	4493.5
12.5°	4829.8	4818.1	4806.4	4792.4	4773.8	4750.4	4713.0	4621.9	4591.6	4561.2	4530.9
15°	4874.2	4869.5	4867.2	4860.2	4848.5	4841.5	4813.5	4722.4	4678.0	4640.6	4586.9
17.5°	4757.4	4766.7	4797.1	4799.4	4813.5	4841.5	4836.8	4773.8	4734.0	4717.7	4652.3
20°	4547.2	4549.5	4586.9	4603.3	4664.0	4710.7	4745.7	4738.7	4729.4	4748.1	4699.0
22.5°	4295.0	4311.3	4351.0	4376.7	4435.1	4488.8	4544.9	4575.2	4624.3	4701.4	4692.0
25°	3951.7	3972.7	4028.7	4070.8	4152.5	4234.3	4309.0	4362.7	4421.1	4568.2	4617.3
27.5°	3540.6	3573.3	3645.7	3687.7	3802.2	3886.3	3993.7	4098.8	4180.5	4348.7	4449.1
30°	3108.5	3136.6	3213.6	3272.0	3370.1	3484.6	3620.0	3769.5	3904.9	4075.4	4201.6
32.5°	2704.5	2734.9	2797.9	2849.3	2959.1	3054.8	3204.3	3388.8	3514.9	3750.8	3919.0
35°	2351.8	2379.9	2424.2	2468.6	2559.7	2657.8	2786.2	2966.1	3127.2	3372.5	3585.0
37.5°	2104.3	2109.0	2134.6	2160.3	2228.1	2302.8	2403.2	2562.0	2711.5	2975.4	3209.0
40°	1926.8	1926.8	1940.8	1947.8	1978.2	2022.5	2085.6	2209.4	2333.2	2534.0	2818.9
42.5°	1817.0	1812.3	1812.3	1814.7	1812.3	1833.4	1870.7	1929.1	2038.9	2204.7	2426.6
45°	1735.3	1725.9	1718.9	1702.6	1693.2	1693.2	1695.6	1716.6	1779.6	1887.1	2066.9
47.5°	1644.2	1641.9	1630.2	1611.5	1595.1	1583.5	1564.8	1557.8	1576.5	1637.2	1758.6
50°	1539.1	1527.4	1515.7	1501.7	1483.0	1471.4	1436.3	1438.7	1422.3	1450.3	1513.4
52.5°	1384.9	1375.6	1370.9	1359.3	1352.3	1347.6	1319.6	1291.5	1284.5	1289.2	1312.5
55°	1214.5	1219.1	1200.4	1209.8	1207.5	1186.4	1174.8	1153.7	1146.7	1144.4	1156.1
57.5°	1037.0	1041.6	1030.0	1039.3	1039.3	1027.6	1020.6	1020.6	1004.3	990.2	1006.6
60°	875.8	866.5	873.5	885.2	885.2	878.1	873.5	873.5	861.8	857.1	868.8
62.5°	745.0	735.7	742.7	754.4	756.7	752.0	747.4	747.4	733.3	733.3	742.7
65°	644.6	646.9	644.6	653.9	653.9	656.3	651.6	646.9	630.6	637.6	635.3
67.5°	572.2	569.9	569.9	579.2	576.9	581.5	576.9	569.9	558.2	548.8	546.5
70°	511.5	509.1	509.1	513.8	516.1	516.1	513.8	509.1	492.8	483.4	476.4
72.5°	457.8	455.4	457.8	460.1	462.4	464.8	462.4	457.8	443.7	432.1	420.4
75°	408.7	406.4	413.4	413.4	415.7	415.7	418.1	415.7	404.0	390.0	376.0
77.5°	359.7	362.0	369.0	371.3	376.0	378.4	380.7	380.7	369.0	357.3	338.6
80°	320.0	324.6	329.3	331.6	336.3	343.3	345.7	348.0	338.6	327.0	305.9
82.5°	291.9	294.3	298.9	301.3	308.3	310.6	313.0	317.6	313.0	301.3	277.9
85°	268.6	270.9	275.6	275.6	280.3	284.9	287.3	289.6	287.3	275.6	252.2
87.5°	247.6	249.9	252.2	254.6	256.9	259.2	261.6	263.9	261.6	249.9	228.9
90°	228.9	228.9	231.2	231.2	233.5	235.9	240.6	240.6	238.2	228.9	207.9
92.5°	207.9	210.2	210.2	212.5	214.9	217.2	219.5	219.5	217.2	207.9	189.2
95°	193.8	193.8	196.2	196.2	198.5	198.5	200.9	200.9	198.5	189.2	170.5
97.5°	177.5	177.5	177.5	177.5	179.8	179.8	182.2	182.2	179.8	170.5	154.1
100°	163.5	163.5	163.5	163.5	163.5	165.8	165.8	165.8	163.5	154.1	137.8
102.5°	151.8	151.8	151.8	151.8	151.8	151.8	151.8	151.8	147.1	140.1	123.8
105°	144.8	144.8	144.8	142.5	142.5	142.5	140.1	140.1	133.1	126.1	112.1
107.5°	135.5	135.5	135.5	133.1	133.1	130.8	128.5	128.5	121.4	114.4	100.4
110°	128.5	128.5	128.5	126.1	123.8	121.4	119.1	116.8	109.8	100.4	88.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	121.4	121.4	119.1	119.1	116.8	114.4	109.8	107.4	100.4	91.1	79.4
115°	112.1	112.1	112.1	109.8	107.4	105.1	102.8	98.1	91.1	81.7	70.1
117.5°	102.8	102.8	102.8	100.4	98.1	95.8	93.4	88.7	81.7	72.4	63.1
120°	93.4	93.4	93.4	91.1	88.7	86.4	84.1	79.4	72.4	65.4	53.7
122.5°	86.4	86.4	84.1	81.7	79.4	77.1	74.7	70.1	65.4	56.1	46.7
125°	77.1	77.1	74.7	74.7	72.4	70.1	67.7	63.1	56.1	49.0	42.0
127.5°	70.1	67.7	67.7	67.7	65.4	63.1	58.4	56.1	49.0	42.0	35.0
130°	60.7	60.7	60.7	58.4	58.4	56.1	51.4	46.7	42.0	37.4	30.4
132.5°	53.7	53.7	53.7	53.7	51.4	49.0	44.4	42.0	37.4	30.4	25.7
135°	49.0	49.0	46.7	46.7	44.4	42.0	39.7	35.0	30.4	25.7	21.0
137.5°	42.0	42.0	42.0	39.7	39.7	37.4	32.7	30.4	28.0	23.4	18.7
140°	37.4	37.4	35.0	35.0	32.7	32.7	30.4	25.7	23.4	18.7	16.3
142.5°	32.7	32.7	30.4	30.4	28.0	28.0	25.7	23.4	18.7	16.3	11.7
145°	28.0	28.0	25.7	25.7	25.7	23.4	21.0	18.7	16.3	14.0	11.7
147.5°	23.4	23.4	23.4	21.0	21.0	18.7	18.7	16.3	14.0	11.7	9.3
150°	21.0	21.0	18.7	18.7	18.7	16.3	14.0	14.0	11.7	9.3	7.0
152.5°	16.3	16.3	16.3	16.3	14.0	14.0	11.7	11.7	9.3	7.0	7.0
155°	14.0	14.0	14.0	11.7	11.7	11.7	9.3	9.3	7.0	7.0	4.7
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-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5	4521.5
2.5°	4495.8	4493.5	4514.5	4512.2	4484.1	4526.2	4554.2
5°	4484.1	4481.8	4500.5	4505.2	4474.8	4519.2	4549.5
7.5°	4474.8	4472.5	4493.5	4500.5	4470.1	4509.8	4542.5
10°	4477.1	4465.5	4484.1	4488.8	4460.8	4502.8	4530.9
12.5°	4493.5	4465.5	4472.5	4472.5	4446.8	4484.1	4514.5
15°	4533.2	4474.8	4465.5	4458.5	4425.8	4460.8	4491.2
17.5°	4577.6	4498.2	4465.5	4442.1	4402.4	4432.8	4465.5
20°	4621.9	4523.9	4470.1	4432.8	4379.1	4407.1	4430.4
22.5°	4643.0	4547.2	4474.8	4418.8	4351.0	4365.0	4390.7
25°	4614.9	4537.9	4465.5	4397.7	4316.0	4318.3	4339.3
27.5°	4512.2	4491.2	4444.4	4376.7	4288.0	4276.3	4292.6
30°	4337.0	4395.4	4397.7	4348.7	4255.3	4231.9	4238.9
32.5°	4091.8	4222.6	4299.6	4290.3	4208.6	4175.9	4180.5
35°	3809.2	3972.7	4140.8	4196.9	4138.5	4112.8	4103.5
37.5°	3470.5	3690.1	3914.3	4052.1	4042.7	4026.4	4017.1
40°	3096.9	3360.8	3627.0	3846.6	3914.3	3914.3	3919.0
42.5°	2697.5	3005.8	3297.7	3575.6	3734.5	3769.5	3783.5
45°	2312.1	2622.8	2940.4	3260.4	3472.9	3582.6	3622.4
47.5°	1961.8	2274.8	2576.1	2926.4	3209.0	3351.4	3414.5
50°	1662.9	1896.4	2214.0	2562.0	2870.3	3045.5	3169.3
52.5°	1415.3	1597.5	1875.4	2200.0	2510.7	2751.2	2865.7
55°	1207.5	1331.2	1567.1	1847.4	2144.0	2393.9	2527.0
57.5°	1032.3	1130.4	1291.5	1525.1	1775.0	2022.5	2165.0
60°	878.1	945.9	1055.6	1240.1	1452.7	1665.2	1803.0
62.5°	745.0	789.4	861.8	997.3	1163.1	1328.9	1457.3
65°	642.3	660.9	700.6	784.7	910.8	1037.0	1146.7
67.5°	541.8	553.5	583.9	635.3	698.3	789.4	861.8
70°	467.1	467.1	469.4	499.8	532.5	590.9	642.3
72.5°	406.4	399.4	385.4	392.4	399.4	432.1	464.8
75°	357.3	341.0	317.6	308.3	303.6	308.3	327.0
77.5°	315.3	291.9	263.9	240.6	221.9	214.9	231.2
80°	280.3	252.2	219.5	189.2	158.8	142.5	149.5
82.5°	252.2	217.2	182.2	147.1	112.1	88.7	88.7
85°	221.9	189.2	151.8	114.4	79.4	49.0	44.4
87.5°	200.9	165.8	126.1	91.1	56.1	25.7	14.0
90°	179.8	144.8	107.4	72.4	39.7	11.7	0.0
92.5°	161.1	128.5	93.4	58.4	28.0	7.0	0.0
95°	144.8	114.4	79.4	49.0	23.4	4.7	2.3
97.5°	128.5	100.4	70.1	39.7	16.3	4.7	2.3
100°	116.8	88.7	60.7	32.7	14.0	2.3	2.3
102.5°	102.8	79.4	51.4	28.0	11.7	2.3	2.3
105°	91.1	70.1	44.4	23.4	9.3	2.3	2.3
107.5°	81.7	60.7	39.7	21.0	9.3	2.3	2.3
110°	72.4	53.7	35.0	18.7	7.0	2.3	2.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	65.4	46.7	30.4	16.3	4.7	2.3	2.3
115°	56.1	42.0	25.7	14.0	4.7	2.3	2.3
117.5°	49.0	35.0	23.4	11.7	4.7	2.3	2.3
120°	42.0	30.4	18.7	9.3	2.3	2.3	2.3
122.5°	37.4	25.7	16.3	9.3	2.3	2.3	2.3
125°	32.7	23.4	14.0	7.0	2.3	2.3	2.3
127.5°	28.0	18.7	11.7	4.7	2.3	2.3	2.3
130°	23.4	16.3	9.3	4.7	2.3	2.3	2.3
132.5°	18.7	14.0	9.3	4.7	2.3	2.3	2.3
135°	16.3	11.7	7.0	4.7	2.3	2.3	2.3
137.5°	14.0	9.3	4.7	4.7	4.7	2.3	2.3
140°	11.7	7.0	4.7	4.7	4.7	4.7	2.3
142.5°	9.3	7.0	4.7	4.7	4.7	4.7	2.3
145°	7.0	4.7	4.7	4.7	4.7	4.7	2.3
147.5°	7.0	4.7	4.7	4.7	4.7	4.7	2.3
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
152.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
155°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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)