

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-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-LD5-127SL-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: 11655.0 lumens  
Efficiency: N/A  
Efficacy: 113.2 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

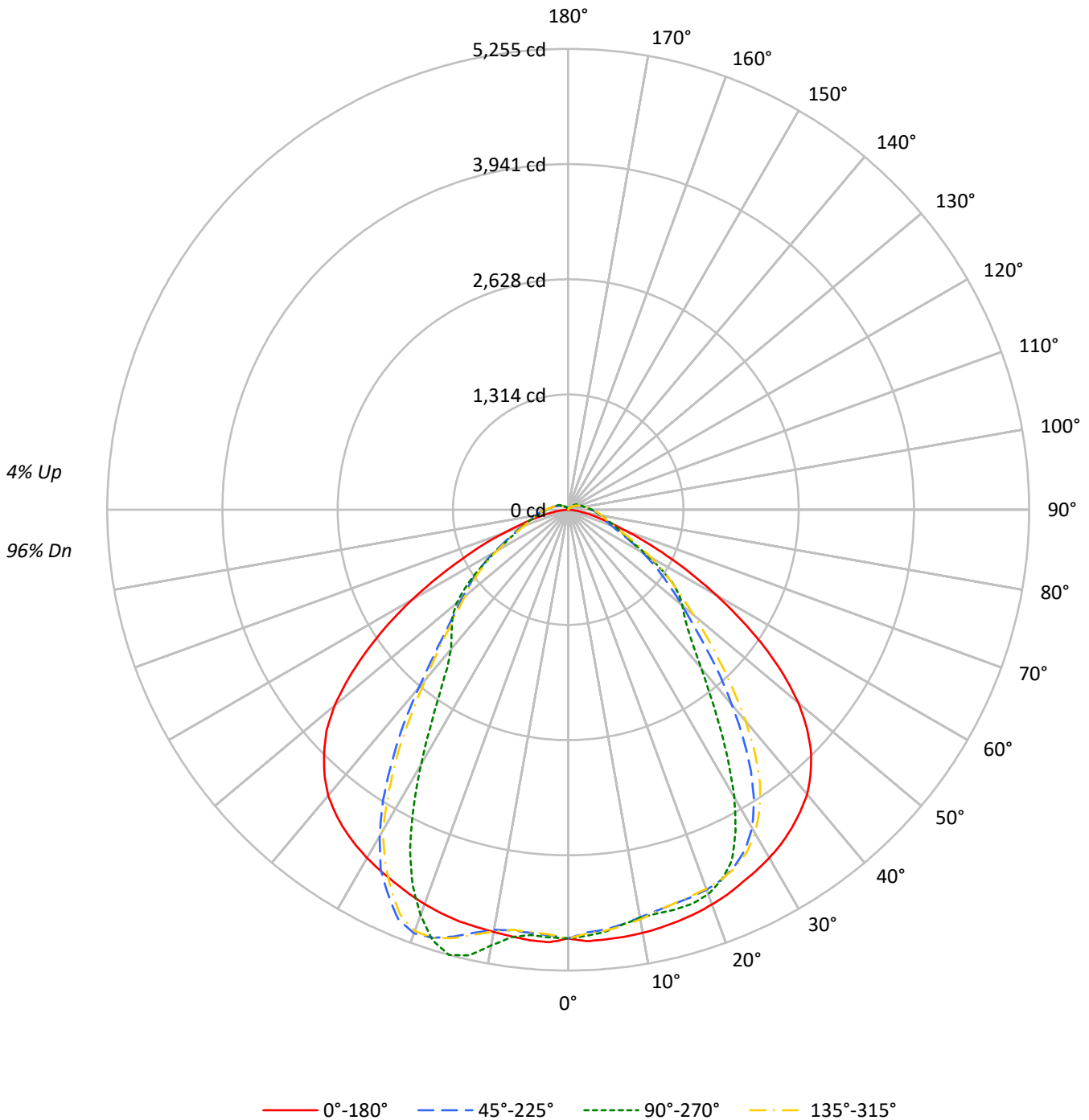
Input Watts (W): 103  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	19754	19754	19754	19754
5°	19925	18971	19966	19120
10°	20045	18182	20004	19416
15°	20229	17939	20218	19973
20°	20482	17654	20460	18610
25°	20767	16748	20756	16183
30°	21193	14515	21205	12860
35°	21648	11738	21710	9933
40°	22061	9451	22153	8326
45°	22036	8005	22150	7795
50°	21147	7370	21443	7206
55°	18828	6624	19298	6022
60°	15339	5070	16154	4650
65°	11470	3879	12358	3679
70°	7867	3349	8867	3202
75°	5215	3022	6072	2857
80°	3454	2817	4048	2592
85°	1888	2810	2482	2567



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	464.4	4.0
10°-20°	1381.7	11.9
20°-30°	2100.6	18.0
30°-40°	2253.5	19.3
40°-50°	1955.8	16.8
50°-60°	1449.4	12.4
60°-70°	830.5	7.1
70°-80°	459.9	3.9
80°-90°	280.0	2.4
90°-100°	182.1	1.6
100°-110°	122.0	1.0
110°-120°	82.4	0.7
120°-130°	50.5	0.4
130°-140°	26.6	0.2
140°-150°	12.1	0.1
150°-160°	3.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3946.8	33.9
0°-40°	6200.2	53.2
0°-60°	9605.4	82.4
0°-90°	11175.8	95.9
90°-120°	386.4	3.3
90°-150°	475.7	4.1
90°-180°	479.0	4.1
0°-180°	11655.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4889	4889	4889	4889	4889	
5°	4919	4831	4929	4869	4919	469
15°	4856	4720	4854	5255	4856	1374
25°	4692	4414	4690	4265	4692	2169
35°	4437	3005	4450	2543	4437	2777
45°	3917	1927	3937	1876	3917	2999
55°	2732	1444	2801	1313	2732	2423
65°	1240	732	1336	694	1240	1250
75°	354	465	412	439	354	404
85°	48	321	63	293	48	63
90°	0	268	5	248	0	2
95°	2	220	0	210	2	2
105°	2	164	2	157	2	3
115°	2	134	2	121	2	2
125°	2	101	2	83	2	2
135°	2	63	2	53	2	2
145°	2	38	5	30	2	2
155°	5	18	5	15	5	2
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°	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0
2.5°	4924.3	4911.7	4906.7	4896.6	4904.1	4934.4	4914.2	4881.4	4883.9	4825.8	4856.1
5°	4919.3	4904.1	4896.6	4886.5	4891.5	4919.3	4899.1	4866.2	4863.7	4805.6	4833.4
7.5°	4911.7	4896.6	4883.9	4876.4	4878.9	4901.6	4876.4	4838.5	4830.9	4767.8	4793.0
10°	4899.1	4889.0	4871.3	4858.7	4856.1	4881.4	4841.0	4803.1	4785.4	4719.8	4745.0
12.5°	4881.4	4866.2	4848.6	4825.8	4823.3	4838.5	4805.6	4752.6	4734.9	4681.9	4709.7
15°	4856.1	4838.5	4818.3	4793.0	4780.4	4790.5	4750.1	4702.1	4699.6	4654.1	4692.0
17.5°	4828.4	4803.1	4780.4	4745.0	4727.4	4734.9	4702.1	4659.2	4664.2	4636.4	4679.4
20°	4790.5	4762.7	4727.4	4692.0	4666.8	4679.4	4656.6	4623.8	4631.4	4611.2	4649.1
22.5°	4747.6	4709.7	4666.8	4626.3	4606.1	4623.8	4606.1	4578.4	4580.9	4568.3	4591.0
25°	4692.0	4649.1	4598.6	4548.1	4538.0	4550.6	4540.5	4517.8	4507.7	4487.5	4497.6
27.5°	4641.5	4593.5	4530.4	4477.4	4459.7	4484.9	4462.2	4424.3	4396.5	4368.8	4348.6
30°	4583.4	4525.3	4454.6	4394.0	4378.9	4389.0	4356.1	4298.1	4224.8	4189.5	4133.9
32.5°	4520.3	4444.5	4356.1	4288.0	4277.9	4270.3	4209.7	4126.3	4012.7	3942.0	3856.1
35°	4436.9	4353.6	4247.6	4164.2	4149.1	4106.1	4007.6	3896.5	3750.1	3628.9	3482.4
37.5°	4343.5	4245.0	4133.9	4022.8	3979.9	3894.0	3755.1	3639.0	3416.7	3270.3	3093.5
40°	4237.4	4118.8	3982.4	3848.6	3777.8	3639.0	3479.9	3308.1	3093.5	2896.5	2747.5
42.5°	4091.0	3964.7	3803.1	3654.1	3532.9	3348.5	3161.7	2919.2	2722.3	2555.6	2404.1
45°	3916.7	3765.2	3578.3	3399.1	3245.0	3025.3	2805.6	2563.2	2399.0	2204.6	2101.0
47.5°	3692.0	3527.8	3328.3	3128.8	2926.8	2684.4	2454.6	2222.3	2058.1	1919.2	1843.5
50°	3426.8	3275.3	3055.6	2818.2	2596.0	2343.5	2113.7	1939.4	1780.3	1694.5	1636.4
52.5°	3098.5	2957.1	2732.4	2474.8	2260.1	2012.7	1803.1	1661.6	1548.0	1484.9	1464.7
55°	2732.4	2608.6	2386.4	2146.5	1926.8	1699.5	1540.4	1416.7	1343.5	1305.6	1308.1
57.5°	2341.0	2245.0	2035.4	1820.7	1613.7	1441.9	1298.0	1199.5	1144.0	1141.4	1149.0
60°	1949.5	1878.8	1697.0	1512.7	1330.8	1191.9	1085.9	1017.7	982.3	984.9	982.3
62.5°	1575.8	1510.1	1378.8	1227.3	1083.4	989.9	894.0	866.2	835.9	833.3	833.3
65°	1239.9	1189.4	1083.4	974.8	866.2	805.6	757.6	724.8	702.0	697.0	699.5
67.5°	931.8	911.6	838.4	765.2	697.0	659.1	618.7	611.1	593.4	593.4	598.5
70°	694.5	679.3	638.9	596.0	568.2	542.9	522.7	522.7	520.2	517.7	530.3
72.5°	502.5	505.1	492.4	459.6	457.1	452.0	447.0	454.6	457.1	464.7	479.8
75°	353.5	361.1	361.1	356.1	366.2	378.8	386.4	399.0	414.1	424.3	441.9
77.5°	250.0	250.0	262.6	277.8	298.0	320.7	340.9	358.6	378.8	391.4	406.6
80°	161.6	169.2	189.4	217.2	245.0	275.3	303.0	325.8	346.0	366.2	376.3
82.5°	96.0	108.6	133.8	169.2	204.5	242.4	270.2	298.0	320.7	340.9	348.5
85°	48.0	65.7	96.0	133.8	171.7	212.1	247.5	272.7	298.0	315.7	325.8
87.5°	15.2	35.4	68.2	103.5	143.9	184.3	222.2	250.0	272.7	287.9	298.0
90°	0.0	17.7	48.0	85.9	123.7	164.1	199.5	229.8	252.5	265.2	272.7
92.5°	0.0	10.1	37.9	70.7	106.1	146.5	181.8	209.6	229.8	242.4	247.5
95°	2.5	7.6	27.8	58.1	93.4	131.3	164.1	189.4	209.6	222.2	224.8
97.5°	2.5	5.1	22.7	48.0	80.8	116.2	149.0	174.2	189.4	202.0	204.5
100°	2.5	5.1	17.7	42.9	70.7	103.5	133.8	156.6	174.2	184.3	186.9
102.5°	2.5	2.5	15.2	35.4	63.1	90.9	118.7	141.4	156.6	166.7	171.7
105°	2.5	2.5	12.6	30.3	55.6	80.8	106.1	128.8	141.4	151.5	156.6
107.5°	2.5	2.5	10.1	25.3	48.0	70.7	96.0	113.6	128.8	138.9	143.9
110°	2.5	2.5	7.6	22.7	40.4	63.1	83.3	101.0	116.2	126.3	131.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.5	2.5	7.6	20.2	35.4	55.6	73.2	90.9	103.5	113.6	121.2
115°	2.5	2.5	7.6	17.7	32.8	48.0	65.7	80.8	93.4	103.5	111.1
117.5°	2.5	2.5	7.6	15.2	27.8	42.9	58.1	73.2	83.3	93.4	101.0
120°	2.5	2.5	5.1	12.6	25.3	37.9	50.5	63.1	75.8	85.9	93.4
122.5°	2.5	2.5	5.1	12.6	20.2	32.8	45.5	55.6	68.2	75.8	83.3
125°	2.5	2.5	5.1	10.1	17.7	30.3	40.4	50.5	58.1	68.2	75.8
127.5°	2.5	2.5	5.1	10.1	15.2	25.3	35.4	45.5	53.0	60.6	65.7
130°	2.5	2.5	5.1	7.6	12.6	20.2	30.3	37.9	48.0	53.0	58.1
132.5°	2.5	2.5	2.5	7.6	10.1	15.2	22.7	32.8	40.4	48.0	50.5
135°	2.5	2.5	2.5	5.1	10.1	12.6	17.7	25.3	32.8	40.4	45.5
137.5°	2.5	2.5	2.5	5.1	7.6	12.6	15.2	20.2	27.8	32.8	40.4
140°	2.5	2.5	2.5	5.1	7.6	10.1	12.6	17.7	22.7	27.8	32.8
142.5°	2.5	2.5	2.5	5.1	5.1	7.6	10.1	15.2	17.7	22.7	27.8
145°	2.5	2.5	2.5	5.1	5.1	7.6	10.1	12.6	15.2	17.7	22.7
147.5°	2.5	2.5	2.5	5.1	5.1	5.1	7.6	10.1	12.6	15.2	17.7
150°	5.1	5.1	5.1	5.1	5.1	5.1	7.6	7.6	10.1	12.6	15.2
152.5°	5.1	5.1	5.1	5.1	5.1	5.1	7.6	7.6	7.6	10.1	12.6
155°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	7.6	7.6	10.1	10.1
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°	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0
2.5°	4846.0	4851.1	4881.4	4878.9	4873.8	4868.8	4868.8	4863.7	4868.8	4881.4	4876.4
5°	4820.8	4828.4	4851.1	4848.6	4843.5	4841.0	4838.5	4830.9	4835.9	4853.6	4848.6
7.5°	4775.3	4782.9	4803.1	4793.0	4785.4	4790.5	4777.9	4770.3	4780.4	4798.1	4795.5
10°	4727.4	4732.4	4757.7	4752.6	4740.0	4742.5	4729.9	4724.8	4737.5	4747.6	4750.1
12.5°	4694.5	4712.2	4734.9	4732.4	4729.9	4732.4	4719.8	4714.7	4722.3	4732.4	4729.9
15°	4687.0	4709.7	4734.9	4734.9	4737.5	4740.0	4727.4	4719.8	4727.4	4734.9	4732.4
17.5°	4679.4	4707.2	4729.9	4727.4	4729.9	4734.9	4714.7	4709.7	4719.8	4729.9	4724.8
20°	4654.1	4679.4	4694.5	4689.5	4689.5	4692.0	4666.8	4666.8	4681.9	4689.5	4692.0
22.5°	4583.4	4613.7	4613.7	4601.1	4601.1	4591.0	4583.4	4568.3	4585.9	4598.6	4608.7
25°	4477.4	4490.0	4474.8	4447.0	4431.9	4419.3	4383.9	4414.2	4414.2	4452.1	4464.7
27.5°	4328.4	4300.6	4257.7	4199.6	4186.9	4146.5	4123.8	4131.4	4144.0	4197.0	4237.4
30°	4083.4	4000.1	3926.8	3901.6	3846.0	3805.6	3765.2	3785.4	3808.1	3838.5	3921.8
32.5°	3760.2	3679.4	3560.7	3517.7	3459.7	3409.2	3361.2	3391.5	3431.9	3452.1	3543.0
35°	3388.9	3293.0	3184.4	3111.2	3050.6	3022.8	2962.2	3005.1	3048.0	3063.2	3141.5
37.5°	2995.0	2896.5	2800.6	2737.4	2679.3	2661.7	2621.3	2651.6	2684.4	2707.1	2772.8
40°	2621.3	2530.3	2457.1	2414.2	2373.8	2358.6	2343.5	2356.1	2381.4	2399.0	2449.5
42.5°	2300.5	2227.3	2176.8	2151.6	2123.8	2103.6	2106.1	2111.1	2123.8	2161.7	2184.4
45°	2020.2	1977.3	1944.5	1939.4	1921.8	1919.2	1916.7	1926.8	1934.4	1957.1	1974.8
47.5°	1795.5	1777.8	1770.2	1780.3	1787.9	1777.8	1782.9	1795.5	1810.6	1810.6	1808.1
50°	1618.7	1623.8	1633.9	1656.6	1671.7	1676.8	1681.8	1697.0	1699.5	1704.6	1697.0
52.5°	1474.8	1479.8	1507.6	1543.0	1560.6	1568.2	1578.3	1593.5	1593.5	1598.5	1588.4
55°	1328.3	1335.9	1363.7	1399.0	1414.2	1424.3	1434.4	1444.5	1452.0	1462.1	1454.6
57.5°	1166.7	1189.4	1207.1	1217.2	1227.3	1234.9	1242.4	1245.0	1260.1	1262.6	1275.3
60°	995.0	1000.0	1017.7	1015.2	1007.6	1027.8	1017.7	1035.4	1053.0	1075.8	1078.3
62.5°	830.8	833.3	846.0	840.9	851.0	848.5	856.1	856.1	868.7	878.8	891.4
65°	702.0	704.6	714.7	714.7	712.1	719.7	727.3	732.3	732.3	739.9	750.0
67.5°	606.1	613.6	623.7	628.8	633.8	633.8	641.4	644.0	649.0	651.5	656.6
70°	540.4	550.5	560.6	565.7	568.2	573.2	575.8	575.8	580.8	583.3	588.4
72.5°	492.4	502.5	510.1	510.1	515.2	517.7	517.7	520.2	522.7	527.8	532.8
75°	452.0	459.6	464.7	462.1	462.1	462.1	464.7	464.7	469.7	474.8	479.8
77.5°	414.1	421.7	421.7	416.7	416.7	416.7	416.7	419.2	421.7	426.8	431.8
80°	386.4	386.4	383.8	383.8	378.8	376.3	376.3	378.8	378.8	383.8	391.4
82.5°	356.1	356.1	353.5	351.0	348.5	346.0	346.0	348.5	351.0	353.5	358.6
85°	328.3	328.3	323.2	323.2	320.7	320.7	320.7	320.7	323.2	325.8	330.8
87.5°	300.5	298.0	295.5	292.9	292.9	292.9	292.9	292.9	295.5	300.5	303.0
90°	272.7	270.2	267.7	267.7	265.2	265.2	267.7	267.7	270.2	272.7	275.3
92.5°	247.5	245.0	242.4	242.4	239.9	239.9	242.4	239.9	245.0	245.0	247.5
95°	224.8	222.2	219.7	219.7	219.7	219.7	219.7	219.7	222.2	222.2	224.8
97.5°	204.5	202.0	199.5	199.5	202.0	199.5	202.0	202.0	202.0	204.5	207.1
100°	186.9	184.3	184.3	186.9	184.3	184.3	186.9	186.9	186.9	186.9	189.4
102.5°	171.7	171.7	171.7	171.7	171.7	171.7	174.2	174.2	174.2	174.2	176.8
105°	156.6	159.1	159.1	159.1	161.6	161.6	161.6	164.1	164.1	164.1	164.1
107.5°	146.5	149.0	149.0	151.5	151.5	154.0	154.0	154.0	154.0	156.6	156.6
110°	136.4	138.9	141.4	143.9	143.9	146.5	146.5	146.5	146.5	146.5	146.5





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	126.3	128.8	131.3	136.4	138.9	138.9	138.9	138.9	141.4	141.4	138.9
115°	116.2	121.2	123.7	128.8	131.3	131.3	133.8	133.8	133.8	133.8	131.3
117.5°	106.1	113.6	116.2	121.2	123.7	123.7	126.3	126.3	126.3	126.3	123.7
120°	98.5	103.5	108.6	111.1	113.6	116.2	116.2	118.7	118.7	118.7	116.2
122.5°	90.9	96.0	101.0	103.5	106.1	108.6	108.6	108.6	108.6	108.6	108.6
125°	80.8	85.9	90.9	93.4	96.0	98.5	98.5	101.0	101.0	101.0	98.5
127.5°	73.2	78.3	80.8	85.9	88.4	88.4	90.9	90.9	90.9	90.9	88.4
130°	63.1	68.2	73.2	75.8	78.3	78.3	80.8	80.8	80.8	80.8	80.8
132.5°	55.6	60.6	63.1	68.2	68.2	70.7	70.7	73.2	73.2	73.2	70.7
135°	50.5	53.0	55.6	60.6	60.6	63.1	63.1	63.1	63.1	63.1	63.1
137.5°	45.5	48.0	50.5	53.0	53.0	55.6	55.6	55.6	55.6	58.1	55.6
140°	37.9	42.9	45.5	45.5	48.0	48.0	48.0	50.5	50.5	50.5	48.0
142.5°	32.8	35.4	37.9	40.4	42.9	42.9	42.9	42.9	45.5	42.9	42.9
145°	25.3	30.3	32.8	35.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9
147.5°	20.2	22.7	27.8	30.3	30.3	32.8	32.8	32.8	32.8	32.8	32.8
150°	17.7	17.7	22.7	25.3	27.8	27.8	27.8	27.8	27.8	27.8	27.8
152.5°	12.6	15.2	17.7	20.2	22.7	22.7	22.7	22.7	22.7	22.7	22.7
155°	12.6	12.6	15.2	15.2	17.7	17.7	17.7	17.7	20.2	17.7	17.7
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-LD5-127SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0
2.5°	4868.8	4866.2	4876.4	4866.2	4815.7	4835.9	4828.4	4856.1	4858.7	4866.2	4891.5
5°	4843.5	4843.5	4856.1	4846.0	4798.1	4818.3	4815.7	4843.5	4848.6	4853.6	4881.4
7.5°	4793.0	4795.5	4813.2	4805.6	4755.1	4785.4	4782.9	4815.7	4825.8	4835.9	4861.2
10°	4745.0	4742.5	4762.7	4755.1	4707.2	4742.5	4740.0	4772.8	4788.0	4805.6	4835.9
12.5°	4719.8	4712.2	4719.8	4712.2	4659.2	4687.0	4689.5	4727.4	4745.0	4767.8	4803.1
15°	4719.8	4707.2	4707.2	4692.0	4631.4	4649.1	4651.6	4676.9	4699.6	4722.3	4765.2
17.5°	4714.7	4702.1	4699.6	4687.0	4621.3	4621.3	4618.8	4636.4	4649.1	4671.8	4717.3
20°	4687.0	4681.9	4679.4	4671.8	4611.2	4601.1	4596.0	4596.0	4603.6	4611.2	4656.6
22.5°	4613.7	4618.8	4623.8	4628.9	4580.9	4563.2	4565.7	4560.7	4553.1	4553.1	4591.0
25°	4477.4	4502.6	4522.8	4545.5	4517.8	4505.1	4520.3	4512.7	4500.1	4490.0	4522.8
27.5°	4260.2	4313.2	4356.1	4411.7	4414.2	4404.1	4444.5	4439.5	4436.9	4421.8	4447.0
30°	3959.7	4043.0	4101.1	4181.9	4250.1	4260.2	4328.4	4338.5	4348.6	4341.0	4366.2
32.5°	3596.0	3709.7	3808.1	3934.4	4000.1	4058.2	4154.1	4194.5	4234.9	4247.6	4275.3
35°	3199.6	3328.3	3444.5	3583.4	3686.9	3813.2	3929.4	3990.0	4080.9	4116.2	4156.6
37.5°	2823.3	2944.5	3058.1	3197.0	3363.7	3495.0	3639.0	3775.3	3899.1	3949.6	4010.2
40°	2489.9	2588.4	2697.0	2818.2	2969.8	3141.5	3298.0	3487.4	3633.9	3734.9	3823.3
42.5°	2237.4	2285.4	2378.8	2487.4	2608.6	2782.9	2942.0	3154.1	3330.9	3474.8	3621.3
45°	2012.7	2035.4	2103.6	2161.7	2285.4	2439.4	2608.6	2815.7	3000.1	3184.4	3361.2
47.5°	1820.7	1848.5	1881.3	1916.7	2005.1	2133.9	2280.3	2467.2	2651.6	2866.2	3068.2
50°	1691.9	1699.5	1704.6	1719.7	1772.8	1861.1	1979.8	2138.9	2315.7	2545.5	2760.2
52.5°	1578.3	1578.3	1563.2	1555.6	1575.8	1631.3	1699.5	1813.2	1995.0	2207.1	2434.4
55°	1457.1	1434.4	1429.3	1404.1	1409.1	1434.4	1467.2	1555.6	1704.6	1886.4	2106.1
57.5°	1287.9	1277.8	1277.8	1267.7	1247.5	1260.1	1267.7	1330.8	1436.9	1593.5	1785.4
60°	1093.5	1088.4	1101.0	1103.6	1085.9	1093.5	1090.9	1128.8	1204.6	1330.8	1489.9
62.5°	899.0	921.7	924.3	934.4	924.3	921.7	934.4	967.2	1005.1	1101.0	1224.8
65°	755.1	767.7	770.2	782.8	777.8	777.8	787.9	813.1	835.9	901.5	997.5
67.5°	661.6	656.6	659.1	666.7	659.1	656.6	664.2	679.3	697.0	737.4	805.6
70°	588.4	583.3	583.3	583.3	573.2	565.7	568.2	573.2	580.8	603.5	646.5
72.5°	532.8	532.8	525.3	517.7	510.1	505.1	500.0	495.0	492.4	500.0	522.7
75°	482.3	484.9	482.3	474.8	464.7	454.6	444.5	434.4	421.7	416.7	419.2
77.5°	436.9	439.4	441.9	439.4	429.3	416.7	401.5	386.4	368.7	351.0	340.9
80°	396.5	401.5	404.0	401.5	393.9	383.8	366.2	348.5	323.2	300.5	275.3
82.5°	361.1	368.7	371.2	371.2	366.2	356.1	335.9	315.7	287.9	257.6	224.8
85°	333.3	338.4	343.4	343.4	340.9	330.8	310.6	287.9	260.1	224.8	189.4
87.5°	305.6	308.1	313.1	318.2	313.1	303.0	285.4	260.1	232.3	197.0	156.6
90°	277.8	280.3	285.4	290.4	287.9	277.8	262.6	239.9	209.6	171.7	131.3
92.5°	250.0	255.1	257.6	260.1	262.6	255.1	242.4	219.7	189.4	151.5	113.6
95°	229.8	229.8	234.9	237.4	239.9	232.3	222.2	199.5	171.7	136.4	98.5
97.5°	209.6	209.6	214.7	214.7	217.2	212.1	202.0	181.8	154.0	121.2	83.3
100°	189.4	191.9	194.4	197.0	197.0	194.4	184.3	164.1	138.9	108.6	73.2
102.5°	176.8	176.8	179.3	179.3	181.8	176.8	166.7	149.0	123.7	96.0	63.1
105°	164.1	164.1	166.7	166.7	164.1	159.1	149.0	133.8	111.1	83.3	55.6
107.5°	154.0	154.0	154.0	154.0	151.5	146.5	136.4	118.7	98.5	75.8	50.5
110°	146.5	143.9	143.9	141.4	138.9	131.3	121.2	106.1	88.4	65.7	42.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	138.9	136.4	133.8	131.3	126.3	118.7	108.6	96.0	78.3	58.1	37.9
115°	131.3	128.8	126.3	121.2	116.2	108.6	98.5	85.9	68.2	50.5	32.8
117.5°	123.7	121.2	116.2	111.1	106.1	98.5	88.4	75.8	60.6	45.5	30.3
120°	113.6	111.1	108.6	103.5	98.5	88.4	78.3	68.2	53.0	40.4	25.3
122.5°	106.1	103.5	98.5	96.0	88.4	80.8	70.7	60.6	48.0	35.4	22.7
125°	96.0	93.4	90.9	85.9	80.8	70.7	63.1	53.0	42.9	30.3	17.7
127.5°	88.4	85.9	80.8	75.8	70.7	63.1	55.6	48.0	37.9	25.3	17.7
130°	78.3	75.8	73.2	68.2	63.1	55.6	50.5	40.4	32.8	22.7	15.2
132.5°	68.2	68.2	65.7	60.6	55.6	50.5	42.9	35.4	27.8	20.2	12.6
135°	63.1	60.6	58.1	53.0	50.5	42.9	37.9	30.3	22.7	17.7	10.1
137.5°	55.6	53.0	50.5	48.0	42.9	37.9	32.8	25.3	20.2	15.2	10.1
140°	48.0	45.5	45.5	40.4	37.9	32.8	27.8	22.7	17.7	12.6	7.6
142.5°	42.9	40.4	37.9	35.4	32.8	27.8	22.7	17.7	15.2	10.1	7.6
145°	37.9	35.4	32.8	30.3	27.8	22.7	20.2	15.2	12.6	10.1	7.6
147.5°	30.3	30.3	27.8	25.3	22.7	20.2	17.7	15.2	10.1	7.6	5.1
150°	25.3	25.3	22.7	20.2	20.2	17.7	15.2	12.6	10.1	7.6	5.1
152.5°	22.7	20.2	20.2	17.7	17.7	15.2	12.6	10.1	7.6	7.6	5.1
155°	17.7	17.7	17.7	15.2	15.2	12.6	10.1	10.1	7.6	5.1	5.1
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0
2.5°	4896.6	4866.2	4891.5	4937.0	4931.9	4926.9	4921.8	4931.9	4964.7	4947.1	4919.3
5°	4889.0	4858.7	4886.5	4929.4	4926.9	4919.3	4914.2	4924.3	4957.2	4939.5	4909.2
7.5°	4873.8	4846.0	4866.2	4909.2	4909.2	4904.1	4899.1	4909.2	4939.5	4924.3	4894.0
10°	4848.6	4828.4	4848.6	4889.0	4891.5	4881.4	4876.4	4889.0	4919.3	4911.7	4886.5
12.5°	4828.4	4808.2	4830.9	4871.3	4873.8	4863.7	4856.1	4871.3	4911.7	4916.8	4909.2
15°	4800.6	4782.9	4810.7	4853.6	4853.6	4846.0	4846.0	4866.2	4921.8	4944.5	4957.2
17.5°	4760.2	4747.6	4780.4	4823.3	4825.8	4820.8	4823.3	4863.7	4937.0	4992.5	5027.9
20°	4709.7	4704.6	4740.0	4785.4	4793.0	4795.5	4808.2	4868.8	4969.8	5045.5	5080.9
22.5°	4649.1	4651.6	4692.0	4740.0	4750.1	4757.7	4782.9	4868.8	4995.0	5075.8	5091.0
25°	4580.9	4588.5	4631.4	4689.5	4702.1	4717.3	4760.2	4871.3	5002.6	5055.6	5030.4
27.5°	4507.7	4522.8	4578.4	4639.0	4654.1	4679.4	4734.9	4856.1	4967.3	4969.8	4876.4
30°	4431.9	4449.6	4515.2	4585.9	4611.2	4636.4	4704.6	4820.8	4881.4	4800.6	4636.4
32.5°	4346.0	4371.3	4436.9	4522.8	4553.1	4585.9	4654.1	4752.6	4729.9	4555.6	4320.8
35°	4237.4	4272.8	4348.6	4449.6	4477.4	4520.3	4568.3	4591.0	4490.0	4242.5	3977.3
37.5°	4103.6	4156.6	4245.0	4361.2	4391.5	4419.3	4431.9	4368.8	4166.7	3899.1	3623.8
40°	3949.6	4030.4	4126.3	4255.1	4285.4	4285.4	4240.0	4106.1	3851.1	3500.1	3194.5
42.5°	3762.7	3861.2	3982.4	4111.2	4141.5	4106.1	3997.5	3762.7	3472.3	3080.9	2757.6
45°	3535.4	3666.7	3803.1	3936.9	3952.1	3873.8	3679.4	3381.4	3022.8	2659.1	2351.1
47.5°	3265.2	3436.9	3585.9	3737.4	3717.2	3585.9	3325.8	2987.4	2608.6	2265.2	2017.7
50°	2962.2	3164.2	3330.9	3474.8	3431.9	3250.1	2944.5	2591.0	2214.7	1921.8	1717.2
52.5°	2638.9	2871.3	3037.9	3154.1	3096.0	2878.8	2543.0	2204.6	1896.5	1628.8	1492.5
55°	2303.1	2537.9	2709.6	2800.6	2724.8	2489.9	2159.1	1851.0	1560.6	1386.4	1305.6
57.5°	1977.3	2197.0	2358.6	2431.9	2335.9	2101.0	1795.5	1535.4	1325.8	1179.3	1138.9
60°	1664.2	1843.5	1997.5	2053.1	1949.5	1732.4	1469.7	1262.6	1108.6	1007.6	987.4
62.5°	1373.8	1520.2	1641.4	1684.4	1583.4	1414.2	1186.9	1032.8	924.3	873.8	848.5
65°	1133.9	1219.7	1343.5	1335.9	1275.3	1118.7	952.0	843.4	772.7	739.9	724.8
67.5°	891.4	969.7	1048.0	1058.1	982.3	873.8	765.2	686.9	649.0	631.3	623.7
70°	689.4	747.5	795.5	782.8	742.4	674.3	606.1	563.1	548.0	540.4	540.4
72.5°	535.4	565.7	588.4	573.2	548.0	512.6	479.8	462.1	464.7	469.7	474.8
75°	414.1	421.7	426.8	411.6	406.6	383.8	381.3	383.8	399.0	414.1	421.7
77.5°	318.2	308.1	300.5	285.4	287.9	285.4	298.0	318.2	340.9	363.6	383.8
80°	245.0	222.2	204.5	189.4	197.0	209.6	234.9	265.2	295.5	320.7	346.0
82.5°	189.4	156.6	131.3	116.2	131.3	151.5	184.3	222.2	257.6	285.4	313.1
85°	146.5	108.6	78.3	63.1	78.3	108.6	143.9	186.9	224.8	255.1	282.8
87.5°	113.6	78.3	42.9	25.3	42.9	75.8	116.2	156.6	194.4	229.8	257.6
90°	90.9	53.0	20.2	5.1	22.7	53.0	90.9	131.3	169.2	207.1	234.9
92.5°	73.2	37.9	10.1	0.0	12.6	40.4	75.8	113.6	151.5	186.9	214.7
95°	60.6	30.3	7.6	0.0	10.1	30.3	60.6	98.5	133.8	169.2	191.9
97.5°	50.5	22.7	5.1	0.0	5.1	25.3	50.5	83.3	118.7	151.5	174.2
100°	42.9	20.2	5.1	0.0	5.1	20.2	42.9	73.2	103.5	133.8	156.6
102.5°	35.4	15.2	2.5	2.5	2.5	15.2	37.9	63.1	90.9	118.7	141.4
105°	32.8	12.6	2.5	2.5	2.5	12.6	32.8	55.6	80.8	106.1	126.3
107.5°	27.8	10.1	2.5	2.5	2.5	10.1	27.8	48.0	73.2	96.0	113.6
110°	22.7	10.1	2.5	2.5	2.5	10.1	22.7	42.9	63.1	83.3	101.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	20.2	7.6	2.5	2.5	2.5	7.6	20.2	37.9	55.6	75.8	90.9
115°	17.7	7.6	2.5	2.5	2.5	7.6	17.7	32.8	48.0	65.7	80.8
117.5°	15.2	7.6	2.5	2.5	2.5	5.1	15.2	27.8	42.9	58.1	73.2
120°	12.6	5.1	2.5	2.5	2.5	5.1	12.6	25.3	37.9	50.5	63.1
122.5°	12.6	5.1	2.5	2.5	2.5	5.1	10.1	20.2	32.8	42.9	55.6
125°	10.1	5.1	2.5	2.5	2.5	2.5	10.1	17.7	27.8	37.9	48.0
127.5°	10.1	5.1	2.5	2.5	2.5	2.5	7.6	15.2	22.7	32.8	42.9
130°	7.6	5.1	2.5	2.5	2.5	2.5	5.1	12.6	20.2	27.8	35.4
132.5°	7.6	5.1	2.5	2.5	2.5	2.5	5.1	10.1	15.2	22.7	30.3
135°	7.6	2.5	2.5	2.5	2.5	2.5	2.5	7.6	12.6	17.7	22.7
137.5°	5.1	2.5	2.5	2.5	2.5	2.5	2.5	5.1	10.1	12.6	20.2
140°	5.1	2.5	2.5	2.5	2.5	2.5	2.5	5.1	7.6	10.1	15.2
142.5°	5.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1	7.6	12.6
145°	5.1	2.5	2.5	5.1	5.1	2.5	2.5	5.1	5.1	7.6	10.1
147.5°	5.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1	7.6
150°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	7.6
152.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
155°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0
2.5°	4914.2	4856.1	4886.5	4876.4	4886.5	4911.7	4909.2	4901.6	4906.7	4894.0	4881.4
5°	4904.1	4846.0	4876.4	4863.7	4876.4	4901.6	4896.6	4889.0	4896.6	4881.4	4868.8
7.5°	4891.5	4838.5	4873.8	4871.3	4894.0	4926.9	4929.4	4929.4	4947.1	4924.3	4914.2
10°	4891.5	4863.7	4911.7	4929.4	4987.5	5030.4	5035.4	5045.5	5075.8	5070.8	5045.5
12.5°	4944.5	4939.5	5010.2	5053.1	5106.2	5166.8	5199.6	5209.7	5229.9	5214.7	5204.6
15°	5012.7	5038.0	5116.3	5164.2	5222.3	5267.8	5275.3	5280.4	5295.5	5272.8	5255.1
17.5°	5103.6	5118.8	5181.9	5202.1	5240.0	5247.6	5237.5	5212.2	5212.2	5161.7	5146.6
20°	5146.6	5139.0	5164.2	5131.4	5116.3	5070.8	5027.9	4979.9	4977.4	4924.3	4919.3
22.5°	5108.7	5058.2	5005.1	4924.3	4889.0	4823.3	4765.2	4737.5	4719.8	4651.6	4633.9
25°	4974.8	4851.1	4772.8	4676.9	4591.0	4515.2	4459.7	4401.6	4346.0	4290.5	4265.2
27.5°	4742.5	4626.3	4500.1	4366.2	4247.6	4131.4	4038.0	3979.9	3926.8	3853.6	3815.7
30°	4457.2	4295.5	4156.6	4027.9	3833.4	3692.0	3613.7	3497.5	3457.1	3424.3	3353.6
32.5°	4121.3	3926.8	3737.4	3563.2	3363.7	3232.4	3128.8	3043.0	3017.7	2931.9	2911.7
35°	3750.1	3495.0	3280.4	3108.6	2964.7	2805.6	2719.7	2661.7	2611.2	2553.1	2543.0
37.5°	3313.2	3083.4	2841.0	2689.4	2575.8	2439.4	2373.8	2333.4	2310.6	2267.7	2260.1
40°	2873.8	2644.0	2477.3	2325.8	2255.1	2181.9	2133.9	2116.2	2106.1	2090.9	2075.8
42.5°	2474.8	2272.8	2154.1	2053.1	2022.8	1987.4	1974.8	1984.9	1974.8	1969.7	1967.2
45°	2136.4	1982.4	1899.0	1868.7	1861.1	1851.0	1861.1	1878.8	1881.3	1876.3	1876.3
47.5°	1828.3	1755.1	1719.7	1724.8	1737.4	1745.0	1762.7	1785.4	1790.4	1777.8	1782.9
50°	1626.3	1583.4	1575.8	1596.0	1623.8	1633.9	1654.1	1671.7	1669.2	1664.2	1659.1
52.5°	1436.9	1424.3	1444.5	1464.7	1495.0	1500.0	1507.6	1515.2	1512.7	1502.6	1497.5
55°	1277.8	1287.9	1305.6	1313.2	1335.9	1333.4	1335.9	1335.9	1325.8	1320.7	1313.2
57.5°	1133.9	1136.4	1146.5	1149.0	1161.6	1156.6	1154.1	1149.0	1133.9	1131.3	1123.8
60°	987.4	982.3	1005.1	987.4	997.5	987.4	984.9	972.2	957.1	954.6	949.5
62.5°	848.5	838.4	853.6	846.0	851.0	840.9	835.9	820.7	808.1	805.6	803.0
65°	724.8	719.7	734.9	732.3	737.4	724.8	719.7	709.6	699.5	697.0	694.5
67.5°	621.2	633.8	641.4	641.4	646.5	644.0	631.3	628.8	626.3	616.2	616.2
70°	545.5	553.0	568.2	570.7	568.2	573.2	563.1	560.6	558.1	553.0	550.5
72.5°	484.9	495.0	510.1	512.6	510.1	510.1	505.1	502.5	502.5	495.0	495.0
75°	436.9	449.5	462.1	462.1	462.1	457.1	452.0	452.0	447.0	444.5	439.4
77.5°	396.5	411.6	421.7	419.2	416.7	411.6	411.6	404.0	396.5	396.5	391.4
80°	366.2	376.3	383.8	381.3	378.8	371.2	368.7	361.1	356.1	348.5	348.5
82.5°	333.3	346.0	351.0	348.5	343.4	335.9	333.3	328.3	323.2	320.7	315.7
85°	305.6	318.2	320.7	315.7	310.6	305.6	303.0	300.5	298.0	292.9	292.9
87.5°	277.8	290.4	290.4	287.9	282.8	280.3	277.8	275.3	272.7	270.2	267.7
90°	255.1	265.2	265.2	262.6	260.1	257.6	255.1	252.5	250.0	247.5	247.5
92.5°	232.3	242.4	242.4	239.9	237.4	234.9	234.9	232.3	229.8	227.3	224.8
95°	212.1	222.2	222.2	222.2	219.7	217.2	217.2	214.7	212.1	212.1	209.6
97.5°	191.9	202.0	202.0	202.0	199.5	197.0	197.0	194.4	194.4	194.4	191.9
100°	174.2	181.8	184.3	184.3	181.8	181.8	181.8	179.3	179.3	179.3	176.8
102.5°	156.6	164.1	169.2	169.2	169.2	166.7	166.7	166.7	166.7	166.7	164.1
105°	141.4	149.0	154.0	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6
107.5°	128.8	136.4	141.4	143.9	146.5	146.5	149.0	149.0	149.0	149.0	149.0
110°	116.2	123.7	131.3	133.8	136.4	138.9	138.9	141.4	138.9	138.9	138.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	103.5	113.6	118.7	123.7	126.3	128.8	131.3	131.3	131.3	131.3	131.3
115°	93.4	103.5	108.6	113.6	118.7	121.2	121.2	123.7	123.7	123.7	121.2
117.5°	83.3	93.4	98.5	103.5	106.1	111.1	113.6	113.6	113.6	113.6	111.1
120°	75.8	83.3	88.4	93.4	98.5	101.0	103.5	103.5	103.5	103.5	103.5
122.5°	65.7	73.2	80.8	85.9	88.4	90.9	93.4	93.4	93.4	93.4	93.4
125°	58.1	65.7	70.7	75.8	78.3	83.3	83.3	83.3	83.3	83.3	83.3
127.5°	50.5	58.1	63.1	68.2	70.7	73.2	75.8	75.8	75.8	75.8	75.8
130°	42.9	50.5	55.6	60.6	63.1	65.7	65.7	68.2	68.2	68.2	68.2
132.5°	37.9	42.9	48.0	53.0	55.6	58.1	58.1	60.6	60.6	60.6	60.6
135°	30.3	37.9	40.4	45.5	48.0	50.5	50.5	53.0	53.0	53.0	53.0
137.5°	25.3	30.3	35.4	40.4	42.9	42.9	45.5	45.5	48.0	48.0	48.0
140°	20.2	22.7	30.3	32.8	35.4	37.9	40.4	40.4	40.4	40.4	40.4
142.5°	15.2	20.2	22.7	27.8	30.3	32.8	35.4	35.4	35.4	35.4	35.4
145°	12.6	15.2	17.7	22.7	25.3	27.8	30.3	30.3	30.3	30.3	30.3
147.5°	10.1	12.6	15.2	17.7	20.2	22.7	25.3	25.3	25.3	25.3	25.3
150°	7.6	10.1	12.6	12.6	15.2	17.7	20.2	22.7	22.7	22.7	22.7
152.5°	7.6	7.6	10.1	10.1	12.6	15.2	17.7	17.7	17.7	17.7	17.7
155°	5.1	7.6	7.6	7.6	10.1	10.1	12.6	15.2	15.2	15.2	15.2
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0
2.5°	4889.0	4899.1	4894.0	4886.5	4883.9	4896.6	4883.9	4825.8	4848.6	4851.1	4868.8
5°	4881.4	4889.0	4883.9	4878.9	4871.3	4886.5	4871.3	4810.7	4833.4	4835.9	4853.6
7.5°	4931.9	4934.4	4934.4	4921.8	4901.6	4909.2	4889.0	4820.8	4833.4	4833.4	4846.0
10°	5058.2	5063.2	5070.8	5038.0	5012.7	4992.5	4964.7	4881.4	4878.9	4858.7	4858.7
12.5°	5222.3	5209.7	5197.1	5181.9	5161.7	5136.5	5096.1	4997.6	4964.7	4931.9	4899.1
15°	5270.3	5265.2	5262.7	5255.1	5242.5	5234.9	5204.6	5106.2	5058.2	5017.8	4959.7
17.5°	5144.0	5154.1	5187.0	5189.5	5204.6	5234.9	5229.9	5161.7	5118.8	5101.1	5030.4
20°	4916.8	4919.3	4959.7	4977.4	5043.0	5093.5	5131.4	5123.8	5113.7	5133.9	5080.9
22.5°	4644.0	4661.7	4704.6	4732.4	4795.5	4853.6	4914.2	4947.1	5000.1	5083.4	5073.3
25°	4272.8	4295.5	4356.1	4401.6	4490.0	4578.4	4659.2	4717.3	4780.4	4939.5	4992.5
27.5°	3828.4	3863.7	3942.0	3987.4	4111.2	4202.1	4318.3	4431.9	4520.3	4702.1	4810.7
30°	3361.2	3391.5	3474.8	3537.9	3644.0	3767.7	3914.2	4075.8	4222.3	4406.6	4543.0
32.5°	2924.3	2957.1	3025.3	3080.9	3199.6	3303.1	3464.7	3664.2	3800.6	4055.6	4237.4
35°	2543.0	2573.3	2621.3	2669.2	2767.7	2873.8	3012.7	3207.1	3381.4	3646.5	3876.3
37.5°	2275.3	2280.3	2308.1	2335.9	2409.1	2489.9	2598.5	2770.3	2931.9	3217.2	3469.8
40°	2083.4	2083.4	2098.5	2106.1	2138.9	2186.9	2255.1	2388.9	2522.8	2739.9	3048.0
42.5°	1964.7	1959.6	1959.6	1962.2	1959.6	1982.4	2022.8	2085.9	2204.6	2383.9	2623.8
45°	1876.3	1866.2	1858.6	1840.9	1830.8	1830.8	1833.4	1856.1	1924.3	2040.4	2234.9
47.5°	1777.8	1775.3	1762.7	1742.5	1724.8	1712.2	1691.9	1684.4	1704.6	1770.2	1901.5
50°	1664.2	1651.5	1638.9	1623.8	1603.6	1590.9	1553.1	1555.6	1537.9	1568.2	1636.4
52.5°	1497.5	1487.4	1482.3	1469.7	1462.1	1457.1	1426.8	1396.5	1388.9	1394.0	1419.2
55°	1313.2	1318.2	1298.0	1308.1	1305.6	1282.9	1270.2	1247.5	1239.9	1237.4	1250.0
57.5°	1121.2	1126.3	1113.7	1123.8	1123.8	1111.1	1103.6	1103.6	1085.9	1070.7	1088.4
60°	947.0	936.9	944.5	957.1	957.1	949.5	944.5	944.5	931.8	926.8	939.4
62.5°	805.6	795.5	803.0	815.7	818.2	813.1	808.1	808.1	792.9	792.9	803.0
65°	697.0	699.5	697.0	707.1	707.1	709.6	704.6	699.5	681.8	689.4	686.9
67.5°	618.7	616.2	616.2	626.3	623.7	628.8	623.7	616.2	603.5	593.4	590.9
70°	553.0	550.5	550.5	555.6	558.1	558.1	555.6	550.5	532.8	522.7	515.2
72.5°	495.0	492.4	495.0	497.5	500.0	502.5	500.0	495.0	479.8	467.2	454.6
75°	441.9	439.4	447.0	447.0	449.5	449.5	452.0	449.5	436.9	421.7	406.6
77.5°	388.9	391.4	399.0	401.5	406.6	409.1	411.6	411.6	399.0	386.4	366.2
80°	346.0	351.0	356.1	358.6	363.6	371.2	373.7	376.3	366.2	353.5	330.8
82.5°	315.7	318.2	323.2	325.8	333.3	335.9	338.4	343.4	338.4	325.8	300.5
85°	290.4	292.9	298.0	298.0	303.0	308.1	310.6	313.1	310.6	298.0	272.7
87.5°	267.7	270.2	272.7	275.3	277.8	280.3	282.8	285.4	282.8	270.2	247.5
90°	247.5	247.5	250.0	250.0	252.5	255.1	260.1	260.1	257.6	247.5	224.8
92.5°	224.8	227.3	227.3	229.8	232.3	234.9	237.4	237.4	234.9	224.8	204.5
95°	209.6	209.6	212.1	212.1	214.7	214.7	217.2	217.2	214.7	204.5	184.3
97.5°	191.9	191.9	191.9	191.9	194.4	194.4	197.0	197.0	194.4	184.3	166.7
100°	176.8	176.8	176.8	176.8	176.8	179.3	179.3	179.3	176.8	166.7	149.0
102.5°	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	159.1	151.5	133.8
105°	156.6	156.6	156.6	154.0	154.0	154.0	151.5	151.5	143.9	136.4	121.2
107.5°	146.5	146.5	146.5	143.9	143.9	141.4	138.9	138.9	131.3	123.7	108.6
110°	138.9	138.9	138.9	136.4	133.8	131.3	128.8	126.3	118.7	108.6	96.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	131.3	131.3	128.8	128.8	126.3	123.7	118.7	116.2	108.6	98.5	85.9
115°	121.2	121.2	121.2	118.7	116.2	113.6	111.1	106.1	98.5	88.4	75.8
117.5°	111.1	111.1	111.1	108.6	106.1	103.5	101.0	96.0	88.4	78.3	68.2
120°	101.0	101.0	101.0	98.5	96.0	93.4	90.9	85.9	78.3	70.7	58.1
122.5°	93.4	93.4	90.9	88.4	85.9	83.3	80.8	75.8	70.7	60.6	50.5
125°	83.3	83.3	80.8	80.8	78.3	75.8	73.2	68.2	60.6	53.0	45.5
127.5°	75.8	73.2	73.2	73.2	70.7	68.2	63.1	60.6	53.0	45.5	37.9
130°	65.7	65.7	65.7	63.1	63.1	60.6	55.6	50.5	45.5	40.4	32.8
132.5°	58.1	58.1	58.1	58.1	55.6	53.0	48.0	45.5	40.4	32.8	27.8
135°	53.0	53.0	50.5	50.5	48.0	45.5	42.9	37.9	32.8	27.8	22.7
137.5°	45.5	45.5	45.5	42.9	42.9	40.4	35.4	32.8	30.3	25.3	20.2
140°	40.4	40.4	37.9	37.9	35.4	35.4	32.8	27.8	25.3	20.2	17.7
142.5°	35.4	35.4	32.8	32.8	30.3	30.3	27.8	25.3	20.2	17.7	12.6
145°	30.3	30.3	27.8	27.8	27.8	25.3	22.7	20.2	17.7	15.2	12.6
147.5°	25.3	25.3	25.3	22.7	22.7	20.2	20.2	17.7	15.2	12.6	10.1
150°	22.7	22.7	20.2	20.2	20.2	17.7	15.2	15.2	12.6	10.1	7.6
152.5°	17.7	17.7	17.7	17.7	15.2	15.2	12.6	12.6	10.1	7.6	7.6
155°	15.2	15.2	15.2	12.6	12.6	12.6	10.1	10.1	7.6	7.6	5.1
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0	4889.0
2.5°	4861.2	4858.7	4881.4	4878.9	4848.6	4894.0	4924.3
5°	4848.6	4846.0	4866.2	4871.3	4838.5	4886.5	4919.3
7.5°	4838.5	4835.9	4858.7	4866.2	4833.4	4876.4	4911.7
10°	4841.0	4828.4	4848.6	4853.6	4823.3	4868.8	4899.1
12.5°	4858.7	4828.4	4835.9	4835.9	4808.2	4848.6	4881.4
15°	4901.6	4838.5	4828.4	4820.8	4785.4	4823.3	4856.1
17.5°	4949.6	4863.7	4828.4	4803.1	4760.2	4793.0	4828.4
20°	4997.6	4891.5	4833.4	4793.0	4734.9	4765.2	4790.5
22.5°	5020.3	4916.8	4838.5	4777.9	4704.6	4719.8	4747.6
25°	4990.0	4906.7	4828.4	4755.1	4666.8	4669.3	4692.0
27.5°	4878.9	4856.1	4805.6	4732.4	4636.4	4623.8	4641.5
30°	4689.5	4752.6	4755.1	4702.1	4601.1	4575.8	4583.4
32.5°	4424.3	4565.7	4649.1	4639.0	4550.6	4515.2	4520.3
35°	4118.8	4295.5	4477.4	4538.0	4474.8	4447.0	4436.9
37.5°	3752.6	3990.0	4232.4	4381.4	4371.3	4353.6	4343.5
40°	3348.5	3633.9	3921.8	4159.2	4232.4	4232.4	4237.4
42.5°	2916.7	3250.1	3565.7	3866.2	4038.0	4075.8	4091.0
45°	2500.0	2835.9	3179.4	3525.3	3755.1	3873.8	3916.7
47.5°	2121.3	2459.6	2785.4	3164.2	3469.8	3623.8	3692.0
50°	1798.0	2050.5	2394.0	2770.3	3103.6	3293.0	3426.8
52.5°	1530.3	1727.3	2027.8	2378.8	2714.7	2974.8	3098.5
55°	1305.6	1439.4	1694.5	1997.5	2318.2	2588.4	2732.4
57.5°	1116.2	1222.2	1396.5	1649.0	1919.2	2186.9	2341.0
60°	949.5	1022.7	1141.4	1340.9	1570.7	1800.5	1949.5
62.5°	805.6	853.6	931.8	1078.3	1257.6	1436.9	1575.8
65°	694.5	714.7	757.6	848.5	984.9	1121.2	1239.9
67.5°	585.9	598.5	631.3	686.9	755.1	853.6	931.8
70°	505.1	505.1	507.6	540.4	575.8	638.9	694.5
72.5°	439.4	431.8	416.7	424.3	431.8	467.2	502.5
75°	386.4	368.7	343.4	333.3	328.3	333.3	353.5
77.5°	340.9	315.7	285.4	260.1	239.9	232.3	250.0
80°	303.0	272.7	237.4	204.5	171.7	154.0	161.6
82.5°	272.7	234.9	197.0	159.1	121.2	96.0	96.0
85°	239.9	204.5	164.1	123.7	85.9	53.0	48.0
87.5°	217.2	179.3	136.4	98.5	60.6	27.8	15.2
90°	194.4	156.6	116.2	78.3	42.9	12.6	0.0
92.5°	174.2	138.9	101.0	63.1	30.3	7.6	0.0
95°	156.6	123.7	85.9	53.0	25.3	5.1	2.5
97.5°	138.9	108.6	75.8	42.9	17.7	5.1	2.5
100°	126.3	96.0	65.7	35.4	15.2	2.5	2.5
102.5°	111.1	85.9	55.6	30.3	12.6	2.5	2.5
105°	98.5	75.8	48.0	25.3	10.1	2.5	2.5
107.5°	88.4	65.7	42.9	22.7	10.1	2.5	2.5
110°	78.3	58.1	37.9	20.2	7.6	2.5	2.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	70.7	50.5	32.8	17.7	5.1	2.5	2.5
115°	60.6	45.5	27.8	15.2	5.1	2.5	2.5
117.5°	53.0	37.9	25.3	12.6	5.1	2.5	2.5
120°	45.5	32.8	20.2	10.1	2.5	2.5	2.5
122.5°	40.4	27.8	17.7	10.1	2.5	2.5	2.5
125°	35.4	25.3	15.2	7.6	2.5	2.5	2.5
127.5°	30.3	20.2	12.6	5.1	2.5	2.5	2.5
130°	25.3	17.7	10.1	5.1	2.5	2.5	2.5
132.5°	20.2	15.2	10.1	5.1	2.5	2.5	2.5
135°	17.7	12.6	7.6	5.1	2.5	2.5	2.5
137.5°	15.2	10.1	5.1	5.1	5.1	2.5	2.5
140°	12.6	7.6	5.1	5.1	5.1	5.1	2.5
142.5°	10.1	7.6	5.1	5.1	5.1	5.1	2.5
145°	7.6	5.1	5.1	5.1	5.1	5.1	2.5
147.5°	7.6	5.1	5.1	5.1	5.1	5.1	2.5
150°	5.1	5.1	5.1	5.1	5.1	5.1	5.1
152.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1
155°	5.1	5.1	5.1	5.1	5.1	5.1	5.1
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)