

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-LD5-130HL-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-LD5-130HL-LC-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

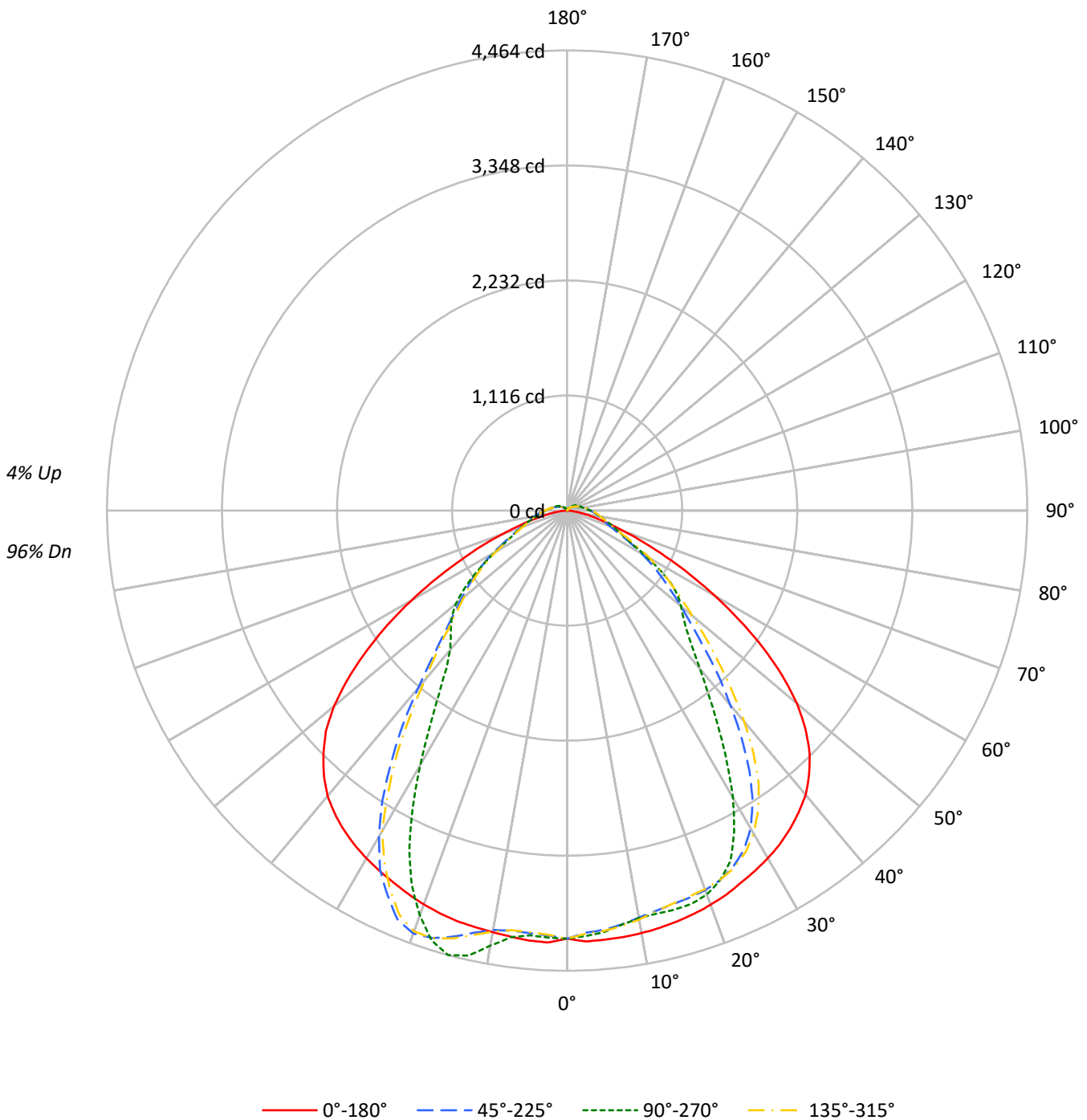
Lumens per Lamp: N/A  
Luminaire Lumens: 9900.0 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 86  
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°	16779	16779	16779	16779
5°	16925	16114	16959	16240
10°	17027	15444	16991	16492
15°	17183	15238	17174	16966
20°	17397	14996	17379	15807
25°	17640	14226	17630	13746
30°	18002	12330	18012	10923
35°	18389	9970	18441	8437
40°	18739	8027	18817	7072
45°	18718	6800	18815	6622
50°	17963	6260	18214	6121
55°	15993	5627	16392	5115
60°	13030	4307	13721	3949
65°	9743	3295	10497	3125
70°	6682	2844	7533	2719
75°	4430	2566	5157	2427
80°	2935	2393	3439	2201
85°	1605	2387	2108	2180



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.5	4.0
10°-20°	1173.7	11.9
20°-30°	1784.3	18.0
30°-40°	1914.1	19.3
40°-50°	1661.3	16.8
50°-60°	1231.2	12.4
60°-70°	705.4	7.1
70°-80°	390.6	3.9
80°-90°	237.9	2.4
90°-100°	154.7	1.6
100°-110°	103.6	1.0
110°-120°	70.0	0.7
120°-130°	42.9	0.4
130°-140°	22.6	0.2
140°-150°	10.3	0.1
150°-160°	3.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3352.5	33.9
0°-40°	5266.6	53.2
0°-60°	8159.0	82.4
0°-90°	9493.0	95.9
90°-120°	328.2	3.3
90°-150°	404.0	4.1
90°-180°	407.0	4.1
0°-180°	9900.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4153	4153	4153	4153	4153	
5°	4178	4104	4187	4136	4178	398
15°	4125	4009	4123	4464	4125	1167
25°	3986	3750	3983	3623	3986	1842
35°	3769	2553	3780	2160	3769	2359
45°	3327	1637	3344	1594	3327	2547
55°	2321	1227	2379	1115	2321	2058
65°	1053	622	1135	590	1053	1062
75°	300	395	350	373	300	343
85°	41	272	54	249	41	54
90°	0	227	4	210	0	2
95°	2	187	0	178	2	1
105°	2	139	2	133	2	2
115°	2	114	2	103	2	2
125°	2	86	2	71	2	2
135°	2	54	2	45	2	2
145°	2	32	4	26	2	1
155°	4	15	4	13	4	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8
2.5°	4182.8	4172.1	4167.8	4159.2	4165.7	4191.4	4174.2	4146.4	4148.5	4099.2	4124.9
5°	4178.5	4165.7	4159.2	4150.7	4154.9	4178.5	4161.4	4133.5	4131.3	4082.0	4105.6
7.5°	4172.1	4159.2	4148.5	4142.1	4144.2	4163.5	4142.1	4109.9	4103.5	4049.8	4071.3
10°	4161.4	4152.8	4137.8	4127.1	4124.9	4146.4	4112.0	4079.9	4064.9	4009.1	4030.5
12.5°	4146.4	4133.5	4118.5	4099.2	4097.0	4109.9	4082.0	4037.0	4022.0	3976.9	4000.5
15°	4124.9	4109.9	4092.7	4071.3	4060.6	4069.1	4034.8	3994.1	3991.9	3953.3	3985.5
17.5°	4101.3	4079.9	4060.6	4030.5	4015.5	4022.0	3994.1	3957.6	3961.9	3938.3	3974.8
20°	4069.1	4045.5	4015.5	3985.5	3964.0	3974.8	3955.5	3927.6	3934.0	3916.8	3949.0
22.5°	4032.7	4000.5	3964.0	3929.7	3912.6	3927.6	3912.6	3889.0	3891.1	3880.4	3899.7
25°	3985.5	3949.0	3906.1	3863.2	3854.6	3865.4	3856.8	3837.5	3828.9	3811.7	3820.3
27.5°	3942.6	3901.8	3848.2	3803.2	3788.1	3809.6	3790.3	3758.1	3734.5	3710.9	3693.8
30°	3893.2	3843.9	3783.9	3732.4	3719.5	3728.1	3700.2	3650.9	3588.7	3558.6	3511.4
32.5°	3839.6	3775.3	3700.2	3642.3	3633.7	3627.3	3575.8	3505.0	3408.5	3348.4	3275.5
35°	3768.8	3698.1	3608.0	3537.2	3524.3	3487.8	3404.2	3309.8	3185.4	3082.4	2958.0
37.5°	3689.5	3605.8	3511.4	3417.0	3380.6	3307.7	3189.7	3091.0	2902.2	2777.8	2627.7
40°	3599.4	3498.6	3382.7	3269.0	3209.0	3091.0	2955.9	2810.0	2627.7	2460.4	2333.8
42.5°	3475.0	3367.7	3230.4	3103.9	3000.9	2844.3	2685.6	2479.7	2312.4	2170.8	2042.1
45°	3327.0	3198.3	3039.5	2887.2	2756.4	2569.8	2383.1	2177.2	2037.8	1872.6	1784.7
47.5°	3136.0	2996.6	2827.2	2657.7	2486.1	2280.2	2085.0	1887.6	1748.2	1630.2	1565.9
50°	2910.8	2782.1	2595.5	2393.9	2205.1	1990.6	1795.4	1647.4	1512.3	1439.3	1390.0
52.5°	2632.0	2511.8	2320.9	2102.1	1919.8	1709.6	1531.6	1411.4	1314.9	1261.3	1244.1
55°	2320.9	2215.8	2027.1	1823.3	1636.7	1443.6	1308.5	1203.4	1141.2	1109.0	1111.1
57.5°	1988.5	1906.9	1728.9	1546.6	1370.7	1224.8	1102.6	1018.9	971.7	969.6	976.0
60°	1656.0	1595.9	1441.5	1284.9	1130.4	1012.5	922.4	864.5	834.4	836.6	834.4
62.5°	1338.5	1282.7	1171.2	1042.5	920.2	840.9	759.3	735.7	710.0	707.9	707.9
65°	1053.2	1010.3	920.2	828.0	735.7	684.3	643.5	615.6	596.3	592.0	594.2
67.5°	791.5	774.4	712.2	649.9	592.0	559.9	525.5	519.1	504.1	504.1	508.4
70°	589.9	577.0	542.7	506.2	482.6	461.2	444.0	444.0	441.9	439.7	450.5
72.5°	426.9	429.0	418.3	390.4	388.3	384.0	379.7	386.1	388.3	394.7	407.6
75°	300.3	306.7	306.7	302.5	311.0	321.8	328.2	338.9	351.8	360.4	375.4
77.5°	212.4	212.4	223.1	236.0	253.1	272.4	289.6	304.6	321.8	332.5	345.4
80°	137.3	143.7	160.9	184.5	208.1	233.8	257.4	276.7	293.9	311.0	319.6
82.5°	81.5	92.2	113.7	143.7	173.7	205.9	229.5	253.1	272.4	289.6	296.0
85°	40.8	55.8	81.5	113.7	145.9	180.2	210.2	231.7	253.1	268.1	276.7
87.5°	12.9	30.0	57.9	87.9	122.3	156.6	188.8	212.4	231.7	244.5	253.1
90°	0.0	15.0	40.8	72.9	105.1	139.4	169.5	195.2	214.5	225.2	231.7
92.5°	0.0	8.6	32.2	60.1	90.1	124.4	154.4	178.0	195.2	205.9	210.2
95°	2.1	6.4	23.6	49.3	79.4	111.5	139.4	160.9	178.0	188.8	190.9
97.5°	2.1	4.3	19.3	40.8	68.6	98.7	126.6	148.0	160.9	171.6	173.7
100°	2.1	4.3	15.0	36.5	60.1	87.9	113.7	133.0	148.0	156.6	158.7
102.5°	2.1	2.1	12.9	30.0	53.6	77.2	100.8	120.1	133.0	141.6	145.9
105°	2.1	2.1	10.7	25.7	47.2	68.6	90.1	109.4	120.1	128.7	133.0
107.5°	2.1	2.1	8.6	21.5	40.8	60.1	81.5	96.5	109.4	118.0	122.3
110°	2.1	2.1	6.4	19.3	34.3	53.6	70.8	85.8	98.7	107.3	111.5



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CATALOG NUMBER: 8SNLED-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.1	2.1	6.4	17.2	30.0	47.2	62.2	77.2	87.9	96.5	103.0
115°	2.1	2.1	6.4	15.0	27.9	40.8	55.8	68.6	79.4	87.9	94.4
117.5°	2.1	2.1	6.4	12.9	23.6	36.5	49.3	62.2	70.8	79.4	85.8
120°	2.1	2.1	4.3	10.7	21.5	32.2	42.9	53.6	64.4	72.9	79.4
122.5°	2.1	2.1	4.3	10.7	17.2	27.9	38.6	47.2	57.9	64.4	70.8
125°	2.1	2.1	4.3	8.6	15.0	25.7	34.3	42.9	49.3	57.9	64.4
127.5°	2.1	2.1	4.3	8.6	12.9	21.5	30.0	38.6	45.0	51.5	55.8
130°	2.1	2.1	4.3	6.4	10.7	17.2	25.7	32.2	40.8	45.0	49.3
132.5°	2.1	2.1	2.1	6.4	8.6	12.9	19.3	27.9	34.3	40.8	42.9
135°	2.1	2.1	2.1	4.3	8.6	10.7	15.0	21.5	27.9	34.3	38.6
137.5°	2.1	2.1	2.1	4.3	6.4	10.7	12.9	17.2	23.6	27.9	34.3
140°	2.1	2.1	2.1	4.3	6.4	8.6	10.7	15.0	19.3	23.6	27.9
142.5°	2.1	2.1	2.1	4.3	4.3	6.4	8.6	12.9	15.0	19.3	23.6
145°	2.1	2.1	2.1	4.3	4.3	6.4	8.6	10.7	12.9	15.0	19.3
147.5°	2.1	2.1	2.1	4.3	4.3	4.3	6.4	8.6	10.7	12.9	15.0
150°	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	8.6	10.7	12.9
152.5°	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4	8.6	10.7
155°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	8.6	8.6
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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8
2.5°	4116.3	4120.6	4146.4	4144.2	4139.9	4135.6	4135.6	4131.3	4135.6	4146.4	4142.1
5°	4094.9	4101.3	4120.6	4118.5	4114.2	4112.0	4109.9	4103.5	4107.8	4122.8	4118.5
7.5°	4056.3	4062.7	4079.9	4071.3	4064.9	4069.1	4058.4	4052.0	4060.6	4075.6	4073.4
10°	4015.5	4019.8	4041.3	4037.0	4026.2	4028.4	4017.7	4013.4	4024.1	4032.7	4034.8
12.5°	3987.6	4002.6	4022.0	4019.8	4017.7	4019.8	4009.1	4004.8	4011.2	4019.8	4017.7
15°	3981.2	4000.5	4022.0	4022.0	4024.1	4026.2	4015.5	4009.1	4015.5	4022.0	4019.8
17.5°	3974.8	3998.4	4017.7	4015.5	4017.7	4022.0	4004.8	4000.5	4009.1	4017.7	4013.4
20°	3953.3	3974.8	3987.6	3983.3	3983.3	3985.5	3964.0	3964.0	3976.9	3983.3	3985.5
22.5°	3893.2	3919.0	3919.0	3908.3	3908.3	3899.7	3893.2	3880.4	3895.4	3906.1	3914.7
25°	3803.2	3813.9	3801.0	3777.4	3764.5	3753.8	3723.8	3749.5	3749.5	3781.7	3792.4
27.5°	3676.6	3653.0	3616.5	3567.2	3556.5	3522.2	3502.9	3509.3	3520.0	3565.1	3599.4
30°	3468.5	3397.7	3335.5	3314.1	3266.9	3232.6	3198.3	3215.4	3234.7	3260.5	3331.2
32.5°	3194.0	3125.3	3024.5	2988.0	2938.7	2895.8	2855.0	2880.8	2915.1	2932.3	3009.5
35°	2878.6	2797.1	2704.9	2642.7	2591.2	2567.6	2516.1	2552.6	2589.1	2601.9	2668.4
37.5°	2544.0	2460.4	2378.9	2325.2	2275.9	2260.9	2226.6	2252.3	2280.2	2299.5	2355.3
40°	2226.6	2149.3	2087.1	2050.7	2016.3	2003.5	1990.6	2001.3	2022.8	2037.8	2080.7
42.5°	1954.1	1891.9	1849.0	1827.6	1804.0	1786.8	1789.0	1793.3	1804.0	1836.2	1855.5
45°	1716.0	1679.6	1651.7	1647.4	1632.4	1630.2	1628.1	1636.7	1643.1	1662.4	1677.4
47.5°	1525.1	1510.1	1503.7	1512.3	1518.7	1510.1	1514.4	1525.1	1538.0	1538.0	1535.8
50°	1375.0	1379.3	1387.8	1407.1	1420.0	1424.3	1428.6	1441.5	1443.6	1447.9	1441.5
52.5°	1252.7	1257.0	1280.6	1310.6	1325.6	1332.1	1340.7	1353.5	1353.5	1357.8	1349.2
55°	1128.3	1134.7	1158.3	1188.4	1201.2	1209.8	1218.4	1227.0	1233.4	1242.0	1235.5
57.5°	991.0	1010.3	1025.3	1033.9	1042.5	1048.9	1055.4	1057.5	1070.4	1072.5	1083.2
60°	845.1	849.4	864.5	862.3	855.9	873.0	864.5	879.5	894.5	913.8	915.9
62.5°	705.7	707.9	718.6	714.3	722.9	720.7	727.2	727.2	737.9	746.5	757.2
65°	596.3	598.5	607.0	607.0	604.9	611.3	617.8	622.1	622.1	628.5	637.1
67.5°	514.8	521.2	529.8	534.1	538.4	538.4	544.8	547.0	551.3	553.4	557.7
70°	459.0	467.6	476.2	480.5	482.6	486.9	489.1	489.1	493.4	495.5	499.8
72.5°	418.3	426.9	433.3	433.3	437.6	439.7	439.7	441.9	444.0	448.3	452.6
75°	384.0	390.4	394.7	392.5	392.5	392.5	394.7	394.7	399.0	403.3	407.6
77.5°	351.8	358.2	358.2	353.9	353.9	353.9	353.9	356.1	358.2	362.5	366.8
80°	328.2	328.2	326.0	326.0	321.8	319.6	319.6	321.8	321.8	326.0	332.5
82.5°	302.5	302.5	300.3	298.2	296.0	293.9	293.9	296.0	298.2	300.3	304.6
85°	278.9	278.9	274.6	274.6	272.4	272.4	272.4	272.4	274.6	276.7	281.0
87.5°	255.3	253.1	251.0	248.8	248.8	248.8	248.8	248.8	251.0	255.3	257.4
90°	231.7	229.5	227.4	227.4	225.2	225.2	227.4	227.4	229.5	231.7	233.8
92.5°	210.2	208.1	205.9	205.9	203.8	203.8	205.9	203.8	208.1	208.1	210.2
95°	190.9	188.8	186.6	186.6	186.6	186.6	186.6	186.6	188.8	188.8	190.9
97.5°	173.7	171.6	169.5	169.5	171.6	169.5	171.6	171.6	171.6	173.7	175.9
100°	158.7	156.6	156.6	158.7	156.6	156.6	158.7	158.7	158.7	158.7	160.9
102.5°	145.9	145.9	145.9	145.9	145.9	145.9	148.0	148.0	148.0	148.0	150.2
105°	133.0	135.1	135.1	135.1	137.3	137.3	137.3	139.4	139.4	139.4	139.4
107.5°	124.4	126.6	126.6	128.7	128.7	130.8	130.8	130.8	130.8	133.0	133.0
110°	115.8	118.0	120.1	122.3	122.3	124.4	124.4	124.4	124.4	124.4	124.4





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	107.3	109.4	111.5	115.8	118.0	118.0	118.0	118.0	120.1	120.1	118.0
115°	98.7	103.0	105.1	109.4	111.5	111.5	113.7	113.7	113.7	113.7	111.5
117.5°	90.1	96.5	98.7	103.0	105.1	105.1	107.3	107.3	107.3	107.3	105.1
120°	83.7	87.9	92.2	94.4	96.5	98.7	98.7	100.8	100.8	100.8	98.7
122.5°	77.2	81.5	85.8	87.9	90.1	92.2	92.2	92.2	92.2	92.2	92.2
125°	68.6	72.9	77.2	79.4	81.5	83.7	83.7	85.8	85.8	85.8	83.7
127.5°	62.2	66.5	68.6	72.9	75.1	75.1	77.2	77.2	77.2	77.2	75.1
130°	53.6	57.9	62.2	64.4	66.5	66.5	68.6	68.6	68.6	68.6	68.6
132.5°	47.2	51.5	53.6	57.9	57.9	60.1	60.1	62.2	62.2	62.2	60.1
135°	42.9	45.0	47.2	51.5	51.5	53.6	53.6	53.6	53.6	53.6	53.6
137.5°	38.6	40.8	42.9	45.0	45.0	47.2	47.2	47.2	47.2	49.3	47.2
140°	32.2	36.5	38.6	38.6	40.8	40.8	40.8	42.9	42.9	42.9	40.8
142.5°	27.9	30.0	32.2	34.3	36.5	36.5	36.5	36.5	38.6	36.5	36.5
145°	21.5	25.7	27.9	30.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2
147.5°	17.2	19.3	23.6	25.7	25.7	27.9	27.9	27.9	27.9	27.9	27.9
150°	15.0	15.0	19.3	21.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6
152.5°	10.7	12.9	15.0	17.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3
155°	10.7	10.7	12.9	12.9	15.0	15.0	15.0	15.0	17.2	15.0	15.0
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-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8
2.5°	4135.6	4133.5	4142.1	4133.5	4090.6	4107.8	4101.3	4124.9	4127.1	4133.5	4154.9
5°	4114.2	4114.2	4124.9	4116.3	4075.6	4092.7	4090.6	4114.2	4118.5	4122.8	4146.4
7.5°	4071.3	4073.4	4088.4	4082.0	4039.1	4064.9	4062.7	4090.6	4099.2	4107.8	4129.2
10°	4030.5	4028.4	4045.5	4039.1	3998.4	4028.4	4026.2	4054.1	4067.0	4082.0	4107.8
12.5°	4009.1	4002.6	4009.1	4002.6	3957.6	3981.2	3983.3	4015.5	4030.5	4049.8	4079.9
15°	4009.1	3998.4	3998.4	3985.5	3934.0	3949.0	3951.2	3972.6	3991.9	4011.2	4047.7
17.5°	4004.8	3994.1	3991.9	3981.2	3925.4	3925.4	3923.3	3938.3	3949.0	3968.3	4006.9
20°	3981.2	3976.9	3974.8	3968.3	3916.8	3908.3	3904.0	3904.0	3910.4	3916.8	3955.5
22.5°	3919.0	3923.3	3927.6	3931.9	3891.1	3876.1	3878.2	3873.9	3867.5	3867.5	3899.7
25°	3803.2	3824.6	3841.8	3861.1	3837.5	3826.8	3839.6	3833.2	3822.5	3813.9	3841.8
27.5°	3618.7	3663.7	3700.2	3747.4	3749.5	3741.0	3775.3	3771.0	3768.8	3756.0	3777.4
30°	3363.4	3434.2	3483.5	3552.2	3610.1	3618.7	3676.6	3685.2	3693.8	3687.3	3708.8
32.5°	3054.5	3151.1	3234.7	3342.0	3397.7	3447.1	3528.6	3562.9	3597.2	3608.0	3631.6
35°	2717.8	2827.2	2925.8	3043.8	3131.8	3239.0	3337.7	3389.2	3466.4	3496.4	3530.7
37.5°	2398.2	2501.1	2597.6	2715.6	2857.2	2968.7	3091.0	3206.8	3311.9	3354.8	3406.3
40°	2115.0	2198.7	2290.9	2393.9	2522.6	2668.4	2801.4	2962.3	3086.7	3172.5	3247.6
42.5°	1900.5	1941.3	2020.6	2112.9	2215.8	2363.8	2499.0	2679.2	2829.3	2951.6	3076.0
45°	1709.6	1728.9	1786.8	1836.2	1941.3	2072.1	2215.8	2391.7	2548.3	2704.9	2855.0
47.5°	1546.6	1570.2	1598.1	1628.1	1703.2	1812.6	1937.0	2095.7	2252.3	2434.6	2606.2
50°	1437.2	1443.6	1447.9	1460.8	1505.8	1580.9	1681.7	1816.8	1967.0	2162.2	2344.5
52.5°	1340.7	1340.7	1327.8	1321.3	1338.5	1385.7	1443.6	1540.1	1694.6	1874.8	2067.8
55°	1237.7	1218.4	1214.1	1192.6	1196.9	1218.4	1246.3	1321.3	1447.9	1602.3	1789.0
57.5°	1094.0	1085.4	1085.4	1076.8	1059.7	1070.4	1076.8	1130.4	1220.5	1353.5	1516.5
60°	928.8	924.5	935.2	937.4	922.4	928.8	926.7	958.8	1023.2	1130.4	1265.6
62.5°	763.6	782.9	785.1	793.7	785.1	782.9	793.7	821.6	853.7	935.2	1040.3
65°	641.4	652.1	654.2	665.0	660.7	660.7	669.3	690.7	710.0	765.8	847.3
67.5°	562.0	557.7	559.9	566.3	559.9	557.7	564.1	577.0	592.0	626.4	684.3
70°	499.8	495.5	495.5	495.5	486.9	480.5	482.6	486.9	493.4	512.7	549.1
72.5°	452.6	452.6	446.2	439.7	433.3	429.0	424.7	420.4	418.3	424.7	444.0
75°	409.7	411.8	409.7	403.3	394.7	386.1	377.5	368.9	358.2	353.9	356.1
77.5°	371.1	373.2	375.4	373.2	364.7	353.9	341.1	328.2	313.2	298.2	289.6
80°	336.8	341.1	343.2	341.1	334.6	326.0	311.0	296.0	274.6	255.3	233.8
82.5°	306.7	313.2	315.3	315.3	311.0	302.5	285.3	268.1	244.5	218.8	190.9
85°	283.1	287.4	291.7	291.7	289.6	281.0	263.8	244.5	220.9	190.9	160.9
87.5°	259.5	261.7	266.0	270.3	266.0	257.4	242.4	220.9	197.3	167.3	133.0
90°	236.0	238.1	242.4	246.7	244.5	236.0	223.1	203.8	178.0	145.9	111.5
92.5°	212.4	216.6	218.8	220.9	223.1	216.6	205.9	186.6	160.9	128.7	96.5
95°	195.2	195.2	199.5	201.6	203.8	197.3	188.8	169.5	145.9	115.8	83.7
97.5°	178.0	178.0	182.3	182.3	184.5	180.2	171.6	154.4	130.8	103.0	70.8
100°	160.9	163.0	165.2	167.3	167.3	165.2	156.6	139.4	118.0	92.2	62.2
102.5°	150.2	150.2	152.3	152.3	154.4	150.2	141.6	126.6	105.1	81.5	53.6
105°	139.4	139.4	141.6	141.6	139.4	135.1	126.6	113.7	94.4	70.8	47.2
107.5°	130.8	130.8	130.8	130.8	128.7	124.4	115.8	100.8	83.7	64.4	42.9
110°	124.4	122.3	122.3	120.1	118.0	111.5	103.0	90.1	75.1	55.8	36.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	118.0	115.8	113.7	111.5	107.3	100.8	92.2	81.5	66.5	49.3	32.2
115°	111.5	109.4	107.3	103.0	98.7	92.2	83.7	72.9	57.9	42.9	27.9
117.5°	105.1	103.0	98.7	94.4	90.1	83.7	75.1	64.4	51.5	38.6	25.7
120°	96.5	94.4	92.2	87.9	83.7	75.1	66.5	57.9	45.0	34.3	21.5
122.5°	90.1	87.9	83.7	81.5	75.1	68.6	60.1	51.5	40.8	30.0	19.3
125°	81.5	79.4	77.2	72.9	68.6	60.1	53.6	45.0	36.5	25.7	15.0
127.5°	75.1	72.9	68.6	64.4	60.1	53.6	47.2	40.8	32.2	21.5	15.0
130°	66.5	64.4	62.2	57.9	53.6	47.2	42.9	34.3	27.9	19.3	12.9
132.5°	57.9	57.9	55.8	51.5	47.2	42.9	36.5	30.0	23.6	17.2	10.7
135°	53.6	51.5	49.3	45.0	42.9	36.5	32.2	25.7	19.3	15.0	8.6
137.5°	47.2	45.0	42.9	40.8	36.5	32.2	27.9	21.5	17.2	12.9	8.6
140°	40.8	38.6	38.6	34.3	32.2	27.9	23.6	19.3	15.0	10.7	6.4
142.5°	36.5	34.3	32.2	30.0	27.9	23.6	19.3	15.0	12.9	8.6	6.4
145°	32.2	30.0	27.9	25.7	23.6	19.3	17.2	12.9	10.7	8.6	6.4
147.5°	25.7	25.7	23.6	21.5	19.3	17.2	15.0	12.9	8.6	6.4	4.3
150°	21.5	21.5	19.3	17.2	17.2	15.0	12.9	10.7	8.6	6.4	4.3
152.5°	19.3	17.2	17.2	15.0	15.0	12.9	10.7	8.6	6.4	6.4	4.3
155°	15.0	15.0	15.0	12.9	12.9	10.7	8.6	8.6	6.4	4.3	4.3
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-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8
2.5°	4159.2	4133.5	4154.9	4193.6	4189.3	4185.0	4180.7	4189.3	4217.2	4202.1	4178.5
5°	4152.8	4127.1	4150.7	4187.1	4185.0	4178.5	4174.2	4182.8	4210.7	4195.7	4170.0
7.5°	4139.9	4116.3	4133.5	4170.0	4170.0	4165.7	4161.4	4170.0	4195.7	4182.8	4157.1
10°	4118.5	4101.3	4118.5	4152.8	4154.9	4146.4	4142.1	4152.8	4178.5	4172.1	4150.7
12.5°	4101.3	4084.2	4103.5	4137.8	4139.9	4131.3	4124.9	4137.8	4172.1	4176.4	4170.0
15°	4077.7	4062.7	4086.3	4122.8	4122.8	4116.3	4116.3	4133.5	4180.7	4200.0	4210.7
17.5°	4043.4	4032.7	4060.6	4097.0	4099.2	4094.9	4097.0	4131.3	4193.6	4240.7	4270.8
20°	4000.5	3996.2	4026.2	4064.9	4071.3	4073.4	4084.2	4135.6	4221.4	4285.8	4315.8
22.5°	3949.0	3951.2	3985.5	4026.2	4034.8	4041.3	4062.7	4135.6	4242.9	4311.5	4324.4
25°	3891.1	3897.5	3934.0	3983.3	3994.1	4006.9	4043.4	4137.8	4249.3	4294.4	4272.9
27.5°	3828.9	3841.8	3889.0	3940.4	3953.3	3974.8	4022.0	4124.9	4219.3	4221.4	4142.1
30°	3764.5	3779.6	3835.3	3895.4	3916.8	3938.3	3996.2	4094.9	4146.4	4077.7	3938.3
32.5°	3691.6	3713.1	3768.8	3841.8	3867.5	3895.4	3953.3	4037.0	4017.7	3869.7	3670.2
35°	3599.4	3629.4	3693.8	3779.6	3803.2	3839.6	3880.4	3899.7	3813.9	3603.7	3378.4
37.5°	3485.7	3530.7	3605.8	3704.5	3730.2	3753.8	3764.5	3710.9	3539.3	3311.9	3078.1
40°	3354.8	3423.5	3505.0	3614.4	3640.1	3640.1	3601.5	3487.8	3271.2	2973.0	2713.5
42.5°	3196.1	3279.8	3382.7	3492.1	3517.9	3487.8	3395.6	3196.1	2949.4	2616.9	2342.4
45°	3003.1	3114.6	3230.4	3344.1	3357.0	3290.5	3125.3	2872.2	2567.6	2258.7	1997.0
47.5°	2773.5	2919.4	3046.0	3174.7	3157.5	3046.0	2825.0	2537.6	2215.8	1924.1	1713.9
50°	2516.1	2687.7	2829.3	2951.6	2915.1	2760.7	2501.1	2200.8	1881.2	1632.4	1458.6
52.5°	2241.6	2438.9	2580.5	2679.2	2629.8	2445.3	2160.1	1872.6	1610.9	1383.6	1267.7
55°	1956.3	2155.8	2301.6	2378.9	2314.5	2115.0	1834.0	1572.3	1325.6	1177.6	1109.0
57.5°	1679.6	1866.2	2003.5	2065.7	1984.2	1784.7	1525.1	1304.2	1126.1	1001.7	967.4
60°	1413.6	1565.9	1696.7	1743.9	1656.0	1471.5	1248.4	1072.5	941.7	855.9	838.7
62.5°	1166.9	1291.3	1394.3	1430.7	1344.9	1201.2	1008.2	877.3	785.1	742.2	720.7
65°	963.1	1036.1	1141.2	1134.7	1083.2	950.3	808.7	716.4	656.4	628.5	615.6
67.5°	757.2	823.7	890.2	898.8	834.4	742.2	649.9	583.5	551.3	536.3	529.8
70°	585.6	634.9	675.7	665.0	630.6	572.7	514.8	478.3	465.5	459.0	459.0
72.5°	454.7	480.5	499.8	486.9	465.5	435.4	407.6	392.5	394.7	399.0	403.3
75°	351.8	358.2	362.5	349.6	345.4	326.0	323.9	326.0	338.9	351.8	358.2
77.5°	270.3	261.7	255.3	242.4	244.5	242.4	253.1	270.3	289.6	308.9	326.0
80°	208.1	188.8	173.7	160.9	167.3	178.0	199.5	225.2	251.0	272.4	293.9
82.5°	160.9	133.0	111.5	98.7	111.5	128.7	156.6	188.8	218.8	242.4	266.0
85°	124.4	92.2	66.5	53.6	66.5	92.2	122.3	158.7	190.9	216.6	240.2
87.5°	96.5	66.5	36.5	21.5	36.5	64.4	98.7	133.0	165.2	195.2	218.8
90°	77.2	45.0	17.2	4.3	19.3	45.0	77.2	111.5	143.7	175.9	199.5
92.5°	62.2	32.2	8.6	0.0	10.7	34.3	64.4	96.5	128.7	158.7	182.3
95°	51.5	25.7	6.4	0.0	8.6	25.7	51.5	83.7	113.7	143.7	163.0
97.5°	42.9	19.3	4.3	0.0	4.3	21.5	42.9	70.8	100.8	128.7	148.0
100°	36.5	17.2	4.3	0.0	4.3	17.2	36.5	62.2	87.9	113.7	133.0
102.5°	30.0	12.9	2.1	2.1	2.1	12.9	32.2	53.6	77.2	100.8	120.1
105°	27.9	10.7	2.1	2.1	2.1	10.7	27.9	47.2	68.6	90.1	107.3
107.5°	23.6	8.6	2.1	2.1	2.1	8.6	23.6	40.8	62.2	81.5	96.5
110°	19.3	8.6	2.1	2.1	2.1	8.6	19.3	36.5	53.6	70.8	85.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	17.2	6.4	2.1	2.1	2.1	6.4	17.2	32.2	47.2	64.4	77.2
115°	15.0	6.4	2.1	2.1	2.1	6.4	15.0	27.9	40.8	55.8	68.6
117.5°	12.9	6.4	2.1	2.1	2.1	4.3	12.9	23.6	36.5	49.3	62.2
120°	10.7	4.3	2.1	2.1	2.1	4.3	10.7	21.5	32.2	42.9	53.6
122.5°	10.7	4.3	2.1	2.1	2.1	4.3	8.6	17.2	27.9	36.5	47.2
125°	8.6	4.3	2.1	2.1	2.1	2.1	8.6	15.0	23.6	32.2	40.8
127.5°	8.6	4.3	2.1	2.1	2.1	2.1	6.4	12.9	19.3	27.9	36.5
130°	6.4	4.3	2.1	2.1	2.1	2.1	4.3	10.7	17.2	23.6	30.0
132.5°	6.4	4.3	2.1	2.1	2.1	2.1	4.3	8.6	12.9	19.3	25.7
135°	6.4	2.1	2.1	2.1	2.1	2.1	2.1	6.4	10.7	15.0	19.3
137.5°	4.3	2.1	2.1	2.1	2.1	2.1	2.1	4.3	8.6	10.7	17.2
140°	4.3	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.6	12.9
142.5°	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	10.7
145°	4.3	2.1	2.1	4.3	4.3	2.1	2.1	4.3	4.3	6.4	8.6
147.5°	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4
152.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
155°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8
2.5°	4174.2	4124.9	4150.7	4142.1	4150.7	4172.1	4170.0	4163.5	4167.8	4157.1	4146.4
5°	4165.7	4116.3	4142.1	4131.3	4142.1	4163.5	4159.2	4152.8	4159.2	4146.4	4135.6
7.5°	4154.9	4109.9	4139.9	4137.8	4157.1	4185.0	4187.1	4187.1	4202.1	4182.8	4174.2
10°	4154.9	4131.3	4172.1	4187.1	4236.5	4272.9	4277.2	4285.8	4311.5	4307.2	4285.8
12.5°	4200.0	4195.7	4255.8	4292.2	4337.3	4388.8	4416.6	4425.2	4442.4	4429.5	4420.9
15°	4257.9	4279.4	4345.9	4386.6	4435.9	4474.6	4481.0	4485.3	4498.2	4478.8	4463.8
17.5°	4335.1	4348.0	4401.6	4418.8	4451.0	4457.4	4448.8	4427.4	4427.4	4384.5	4371.6
20°	4371.6	4365.2	4386.6	4358.7	4345.9	4307.2	4270.8	4230.0	4227.9	4182.8	4178.5
22.5°	4339.4	4296.5	4251.5	4182.8	4152.8	4097.0	4047.7	4024.1	4009.1	3951.2	3936.1
25°	4225.7	4120.6	4054.1	3972.6	3899.7	3835.3	3788.1	3738.8	3691.6	3644.4	3623.0
27.5°	4028.4	3929.7	3822.5	3708.8	3608.0	3509.3	3429.9	3380.6	3335.5	3273.3	3241.2
30°	3786.0	3648.7	3530.7	3421.3	3256.2	3136.0	3069.6	2970.9	2936.6	2908.7	2848.6
32.5°	3500.7	3335.5	3174.7	3026.7	2857.2	2745.7	2657.7	2584.8	2563.3	2490.4	2473.2
35°	3185.4	2968.7	2786.4	2640.5	2518.3	2383.1	2310.2	2260.9	2218.0	2168.6	2160.1
37.5°	2814.3	2619.1	2413.2	2284.5	2187.9	2072.1	2016.3	1982.0	1962.7	1926.2	1919.8
40°	2441.1	2245.9	2104.3	1975.6	1915.5	1853.3	1812.6	1797.5	1789.0	1776.1	1763.2
42.5°	2102.1	1930.5	1829.7	1743.9	1718.2	1688.1	1677.4	1686.0	1677.4	1673.1	1671.0
45°	1814.7	1683.9	1613.1	1587.3	1580.9	1572.3	1580.9	1595.9	1598.1	1593.8	1593.8
47.5°	1553.0	1490.8	1460.8	1465.1	1475.8	1482.2	1497.2	1516.5	1520.8	1510.1	1514.4
50°	1381.4	1344.9	1338.5	1355.7	1379.3	1387.8	1405.0	1420.0	1417.9	1413.6	1409.3
52.5°	1220.5	1209.8	1227.0	1244.1	1269.9	1274.2	1280.6	1287.0	1284.9	1276.3	1272.0
55°	1085.4	1094.0	1109.0	1115.4	1134.7	1132.6	1134.7	1134.7	1126.1	1121.9	1115.4
57.5°	963.1	965.3	973.8	976.0	986.7	982.4	980.3	976.0	963.1	961.0	954.5
60°	838.7	834.4	853.7	838.7	847.3	838.7	836.6	825.8	813.0	810.8	806.5
62.5°	720.7	712.2	725.0	718.6	722.9	714.3	710.0	697.1	686.4	684.3	682.1
65°	615.6	611.3	624.2	622.1	626.4	615.6	611.3	602.8	594.2	592.0	589.9
67.5°	527.7	538.4	544.8	544.8	549.1	547.0	536.3	534.1	532.0	523.4	523.4
70°	463.3	469.8	482.6	484.8	482.6	486.9	478.3	476.2	474.1	469.8	467.6
72.5°	411.8	420.4	433.3	435.4	433.3	433.3	429.0	426.9	426.9	420.4	420.4
75°	371.1	381.8	392.5	392.5	392.5	388.3	384.0	384.0	379.7	377.5	373.2
77.5°	336.8	349.6	358.2	356.1	353.9	349.6	349.6	343.2	336.8	336.8	332.5
80°	311.0	319.6	326.0	323.9	321.8	315.3	313.2	306.7	302.5	296.0	296.0
82.5°	283.1	293.9	298.2	296.0	291.7	285.3	283.1	278.9	274.6	272.4	268.1
85°	259.5	270.3	272.4	268.1	263.8	259.5	257.4	255.3	253.1	248.8	248.8
87.5°	236.0	246.7	246.7	244.5	240.2	238.1	236.0	233.8	231.7	229.5	227.4
90°	216.6	225.2	225.2	223.1	220.9	218.8	216.6	214.5	212.4	210.2	210.2
92.5°	197.3	205.9	205.9	203.8	201.6	199.5	199.5	197.3	195.2	193.1	190.9
95°	180.2	188.8	188.8	188.8	186.6	184.5	184.5	182.3	180.2	180.2	178.0
97.5°	163.0	171.6	171.6	171.6	169.5	167.3	167.3	165.2	165.2	165.2	163.0
100°	148.0	154.4	156.6	156.6	154.4	154.4	154.4	152.3	152.3	152.3	150.2
102.5°	133.0	139.4	143.7	143.7	143.7	141.6	141.6	141.6	141.6	141.6	139.4
105°	120.1	126.6	130.8	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0
107.5°	109.4	115.8	120.1	122.3	124.4	124.4	126.6	126.6	126.6	126.6	126.6
110°	98.7	105.1	111.5	113.7	115.8	118.0	118.0	120.1	118.0	118.0	118.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	87.9	96.5	100.8	105.1	107.3	109.4	111.5	111.5	111.5	111.5	111.5
115°	79.4	87.9	92.2	96.5	100.8	103.0	103.0	105.1	105.1	105.1	103.0
117.5°	70.8	79.4	83.7	87.9	90.1	94.4	96.5	96.5	96.5	96.5	94.4
120°	64.4	70.8	75.1	79.4	83.7	85.8	87.9	87.9	87.9	87.9	87.9
122.5°	55.8	62.2	68.6	72.9	75.1	77.2	79.4	79.4	79.4	79.4	79.4
125°	49.3	55.8	60.1	64.4	66.5	70.8	70.8	70.8	70.8	70.8	70.8
127.5°	42.9	49.3	53.6	57.9	60.1	62.2	64.4	64.4	64.4	64.4	64.4
130°	36.5	42.9	47.2	51.5	53.6	55.8	55.8	57.9	57.9	57.9	57.9
132.5°	32.2	36.5	40.8	45.0	47.2	49.3	49.3	51.5	51.5	51.5	51.5
135°	25.7	32.2	34.3	38.6	40.8	42.9	42.9	45.0	45.0	45.0	45.0
137.5°	21.5	25.7	30.0	34.3	36.5	36.5	38.6	38.6	40.8	40.8	40.8
140°	17.2	19.3	25.7	27.9	30.0	32.2	34.3	34.3	34.3	34.3	34.3
142.5°	12.9	17.2	19.3	23.6	25.7	27.9	30.0	30.0	30.0	30.0	30.0
145°	10.7	12.9	15.0	19.3	21.5	23.6	25.7	25.7	25.7	25.7	25.7
147.5°	8.6	10.7	12.9	15.0	17.2	19.3	21.5	21.5	21.5	21.5	21.5
150°	6.4	8.6	10.7	10.7	12.9	15.0	17.2	19.3	19.3	19.3	19.3
152.5°	6.4	6.4	8.6	8.6	10.7	12.9	15.0	15.0	15.0	15.0	15.0
155°	4.3	6.4	6.4	6.4	8.6	8.6	10.7	12.9	12.9	12.9	12.9
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-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8
2.5°	4152.8	4161.4	4157.1	4150.7	4148.5	4159.2	4148.5	4099.2	4118.5	4120.6	4135.6
5°	4146.4	4152.8	4148.5	4144.2	4137.8	4150.7	4137.8	4086.3	4105.6	4107.8	4122.8
7.5°	4189.3	4191.4	4191.4	4180.7	4163.5	4170.0	4152.8	4094.9	4105.6	4105.6	4116.3
10°	4296.5	4300.8	4307.2	4279.4	4257.9	4240.7	4217.2	4146.4	4144.2	4127.1	4127.1
12.5°	4435.9	4425.2	4414.5	4401.6	4384.5	4363.0	4328.7	4245.0	4217.2	4189.3	4161.4
15°	4476.7	4472.4	4470.3	4463.8	4453.1	4446.7	4420.9	4337.3	4296.5	4262.2	4212.9
17.5°	4369.4	4378.0	4405.9	4408.1	4420.9	4446.7	4442.4	4384.5	4348.0	4333.0	4272.9
20°	4176.4	4178.5	4212.9	4227.9	4283.6	4326.5	4358.7	4352.3	4343.7	4360.9	4315.8
22.5°	3944.7	3959.7	3996.2	4019.8	4073.4	4122.8	4174.2	4202.1	4247.2	4318.0	4309.4
25°	3629.4	3648.7	3700.2	3738.8	3813.9	3889.0	3957.6	4006.9	4060.6	4195.7	4240.7
27.5°	3251.9	3281.9	3348.4	3387.0	3492.1	3569.3	3668.0	3764.5	3839.6	3994.1	4086.3
30°	2855.0	2880.8	2951.6	3005.2	3095.3	3200.4	3324.8	3462.1	3586.5	3743.1	3858.9
32.5°	2484.0	2511.8	2569.8	2616.9	2717.8	2805.7	2943.0	3112.5	3228.3	3444.9	3599.4
35°	2160.1	2185.8	2226.6	2267.3	2351.0	2441.1	2559.0	2724.2	2872.2	3097.4	3292.6
37.5°	1932.7	1937.0	1960.6	1984.2	2046.4	2115.0	2207.2	2353.1	2490.4	2732.8	2947.3
40°	1769.7	1769.7	1782.5	1789.0	1816.8	1857.6	1915.5	2029.2	2142.9	2327.4	2589.1
42.5°	1668.8	1664.6	1664.6	1666.7	1664.6	1683.9	1718.2	1771.8	1872.6	2024.9	2228.7
45°	1593.8	1585.2	1578.7	1563.7	1555.2	1555.2	1557.3	1576.6	1634.5	1733.2	1898.4
47.5°	1510.1	1508.0	1497.2	1480.1	1465.1	1454.3	1437.2	1430.7	1447.9	1503.7	1615.2
50°	1413.6	1402.9	1392.1	1379.3	1362.1	1351.4	1319.2	1321.3	1306.3	1332.1	1390.0
52.5°	1272.0	1263.4	1259.1	1248.4	1242.0	1237.7	1211.9	1186.2	1179.8	1184.1	1205.5
55°	1115.4	1119.7	1102.6	1111.1	1109.0	1089.7	1079.0	1059.7	1053.2	1051.1	1061.8
57.5°	952.4	956.7	946.0	954.5	954.5	943.8	937.4	937.4	922.4	909.5	924.5
60°	804.4	795.8	802.2	813.0	813.0	806.5	802.2	802.2	791.5	787.2	798.0
62.5°	684.3	675.7	682.1	692.8	695.0	690.7	686.4	686.4	673.5	673.5	682.1
65°	592.0	594.2	592.0	600.6	600.6	602.8	598.5	594.2	579.2	585.6	583.5
67.5°	525.5	523.4	523.4	532.0	529.8	534.1	529.8	523.4	512.7	504.1	501.9
70°	469.8	467.6	467.6	471.9	474.1	474.1	471.9	467.6	452.6	444.0	437.6
72.5°	420.4	418.3	420.4	422.6	424.7	426.9	424.7	420.4	407.6	396.8	386.1
75°	375.4	373.2	379.7	379.7	381.8	381.8	384.0	381.8	371.1	358.2	345.4
77.5°	330.3	332.5	338.9	341.1	345.4	347.5	349.6	349.6	338.9	328.2	311.0
80°	293.9	298.2	302.5	304.6	308.9	315.3	317.5	319.6	311.0	300.3	281.0
82.5°	268.1	270.3	274.6	276.7	283.1	285.3	287.4	291.7	287.4	276.7	255.3
85°	246.7	248.8	253.1	253.1	257.4	261.7	263.8	266.0	263.8	253.1	231.7
87.5°	227.4	229.5	231.7	233.8	236.0	238.1	240.2	242.4	240.2	229.5	210.2
90°	210.2	210.2	212.4	212.4	214.5	216.6	220.9	220.9	218.8	210.2	190.9
92.5°	190.9	193.1	193.1	195.2	197.3	199.5	201.6	201.6	199.5	190.9	173.7
95°	178.0	178.0	180.2	180.2	182.3	182.3	184.5	184.5	182.3	173.7	156.6
97.5°	163.0	163.0	163.0	163.0	165.2	165.2	167.3	167.3	165.2	156.6	141.6
100°	150.2	150.2	150.2	150.2	150.2	152.3	152.3	152.3	150.2	141.6	126.6
102.5°	139.4	139.4	139.4	139.4	139.4	139.4	139.4	139.4	135.1	128.7	113.7
105°	133.0	133.0	133.0	130.8	130.8	130.8	128.7	128.7	122.3	115.8	103.0
107.5°	124.4	124.4	124.4	122.3	122.3	120.1	118.0	118.0	111.5	105.1	92.2
110°	118.0	118.0	118.0	115.8	113.7	111.5	109.4	107.3	100.8	92.2	81.5





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	111.5	111.5	109.4	109.4	107.3	105.1	100.8	98.7	92.2	83.7	72.9
115°	103.0	103.0	103.0	100.8	98.7	96.5	94.4	90.1	83.7	75.1	64.4
117.5°	94.4	94.4	94.4	92.2	90.1	87.9	85.8	81.5	75.1	66.5	57.9
120°	85.8	85.8	85.8	83.7	81.5	79.4	77.2	72.9	66.5	60.1	49.3
122.5°	79.4	79.4	77.2	75.1	72.9	70.8	68.6	64.4	60.1	51.5	42.9
125°	70.8	70.8	68.6	68.6	66.5	64.4	62.2	57.9	51.5	45.0	38.6
127.5°	64.4	62.2	62.2	62.2	60.1	57.9	53.6	51.5	45.0	38.6	32.2
130°	55.8	55.8	55.8	53.6	53.6	51.5	47.2	42.9	38.6	34.3	27.9
132.5°	49.3	49.3	49.3	49.3	47.2	45.0	40.8	38.6	34.3	27.9	23.6
135°	45.0	45.0	42.9	42.9	40.8	38.6	36.5	32.2	27.9	23.6	19.3
137.5°	38.6	38.6	38.6	36.5	36.5	34.3	30.0	27.9	25.7	21.5	17.2
140°	34.3	34.3	32.2	32.2	30.0	30.0	27.9	23.6	21.5	17.2	15.0
142.5°	30.0	30.0	27.9	27.9	25.7	25.7	23.6	21.5	17.2	15.0	10.7
145°	25.7	25.7	23.6	23.6	23.6	21.5	19.3	17.2	15.0	12.9	10.7
147.5°	21.5	21.5	21.5	19.3	19.3	17.2	17.2	15.0	12.9	10.7	8.6
150°	19.3	19.3	17.2	17.2	17.2	15.0	12.9	12.9	10.7	8.6	6.4
152.5°	15.0	15.0	15.0	15.0	12.9	12.9	10.7	10.7	8.6	6.4	6.4
155°	12.9	12.9	12.9	10.7	10.7	10.7	8.6	8.6	6.4	6.4	4.3
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-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8
2.5°	4129.2	4127.1	4146.4	4144.2	4118.5	4157.1	4182.8
5°	4118.5	4116.3	4133.5	4137.8	4109.9	4150.7	4178.5
7.5°	4109.9	4107.8	4127.1	4133.5	4105.6	4142.1	4172.1
10°	4112.0	4101.3	4118.5	4122.8	4097.0	4135.6	4161.4
12.5°	4127.1	4101.3	4107.8	4107.8	4084.2	4118.5	4146.4
15°	4163.5	4109.9	4101.3	4094.9	4064.9	4097.0	4124.9
17.5°	4204.3	4131.3	4101.3	4079.9	4043.4	4071.3	4101.3
20°	4245.0	4154.9	4105.6	4071.3	4022.0	4047.7	4069.1
22.5°	4264.3	4176.4	4109.9	4058.4	3996.2	4009.1	4032.7
25°	4238.6	4167.8	4101.3	4039.1	3964.0	3966.2	3985.5
27.5°	4144.2	4124.9	4082.0	4019.8	3938.3	3927.6	3942.6
30°	3983.3	4037.0	4039.1	3994.1	3908.3	3886.8	3893.2
32.5°	3758.1	3878.2	3949.0	3940.4	3865.4	3835.3	3839.6
35°	3498.6	3648.7	3803.2	3854.6	3801.0	3777.4	3768.8
37.5°	3187.5	3389.2	3595.1	3721.6	3713.1	3698.1	3689.5
40°	2844.3	3086.7	3331.2	3532.9	3595.1	3595.1	3599.4
42.5°	2477.5	2760.7	3028.8	3284.1	3429.9	3462.1	3475.0
45°	2123.6	2408.9	2700.6	2994.5	3189.7	3290.5	3327.0
47.5°	1801.8	2089.3	2366.0	2687.7	2947.3	3078.1	3136.0
50°	1527.3	1741.8	2033.5	2353.1	2636.3	2797.1	2910.8
52.5°	1299.9	1467.2	1722.5	2020.6	2305.9	2526.9	2632.0
55°	1109.0	1222.7	1439.3	1696.7	1969.1	2198.7	2320.9
57.5°	948.1	1038.2	1186.2	1400.7	1630.2	1857.6	1988.5
60°	806.5	868.7	969.6	1139.0	1334.2	1529.4	1656.0
62.5°	684.3	725.0	791.5	915.9	1068.2	1220.5	1338.5
65°	589.9	607.0	643.5	720.7	836.6	952.4	1053.2
67.5°	497.6	508.4	536.3	583.5	641.4	725.0	791.5
70°	429.0	429.0	431.2	459.0	489.1	542.7	589.9
72.5°	373.2	366.8	353.9	360.4	366.8	396.8	426.9
75°	328.2	313.2	291.7	283.1	278.9	283.1	300.3
77.5°	289.6	268.1	242.4	220.9	203.8	197.3	212.4
80°	257.4	231.7	201.6	173.7	145.9	130.8	137.3
82.5°	231.7	199.5	167.3	135.1	103.0	81.5	81.5
85°	203.8	173.7	139.4	105.1	72.9	45.0	40.8
87.5°	184.5	152.3	115.8	83.7	51.5	23.6	12.9
90°	165.2	133.0	98.7	66.5	36.5	10.7	0.0
92.5°	148.0	118.0	85.8	53.6	25.7	6.4	0.0
95°	133.0	105.1	72.9	45.0	21.5	4.3	2.1
97.5°	118.0	92.2	64.4	36.5	15.0	4.3	2.1
100°	107.3	81.5	55.8	30.0	12.9	2.1	2.1
102.5°	94.4	72.9	47.2	25.7	10.7	2.1	2.1
105°	83.7	64.4	40.8	21.5	8.6	2.1	2.1
107.5°	75.1	55.8	36.5	19.3	8.6	2.1	2.1
110°	66.5	49.3	32.2	17.2	6.4	2.1	2.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-LC-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	60.1	42.9	27.9	15.0	4.3	2.1	2.1
115°	51.5	38.6	23.6	12.9	4.3	2.1	2.1
117.5°	45.0	32.2	21.5	10.7	4.3	2.1	2.1
120°	38.6	27.9	17.2	8.6	2.1	2.1	2.1
122.5°	34.3	23.6	15.0	8.6	2.1	2.1	2.1
125°	30.0	21.5	12.9	6.4	2.1	2.1	2.1
127.5°	25.7	17.2	10.7	4.3	2.1	2.1	2.1
130°	21.5	15.0	8.6	4.3	2.1	2.1	2.1
132.5°	17.2	12.9	8.6	4.3	2.1	2.1	2.1
135°	15.0	10.7	6.4	4.3	2.1	2.1	2.1
137.5°	12.9	8.6	4.3	4.3	4.3	2.1	2.1
140°	10.7	6.4	4.3	4.3	4.3	4.3	2.1
142.5°	8.6	6.4	4.3	4.3	4.3	4.3	2.1
145°	6.4	4.3	4.3	4.3	4.3	4.3	2.1
147.5°	6.4	4.3	4.3	4.3	4.3	4.3	2.1
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
152.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
155°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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)