

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-LD5-120SL-RM-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 (P33524)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-120SL-RM-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

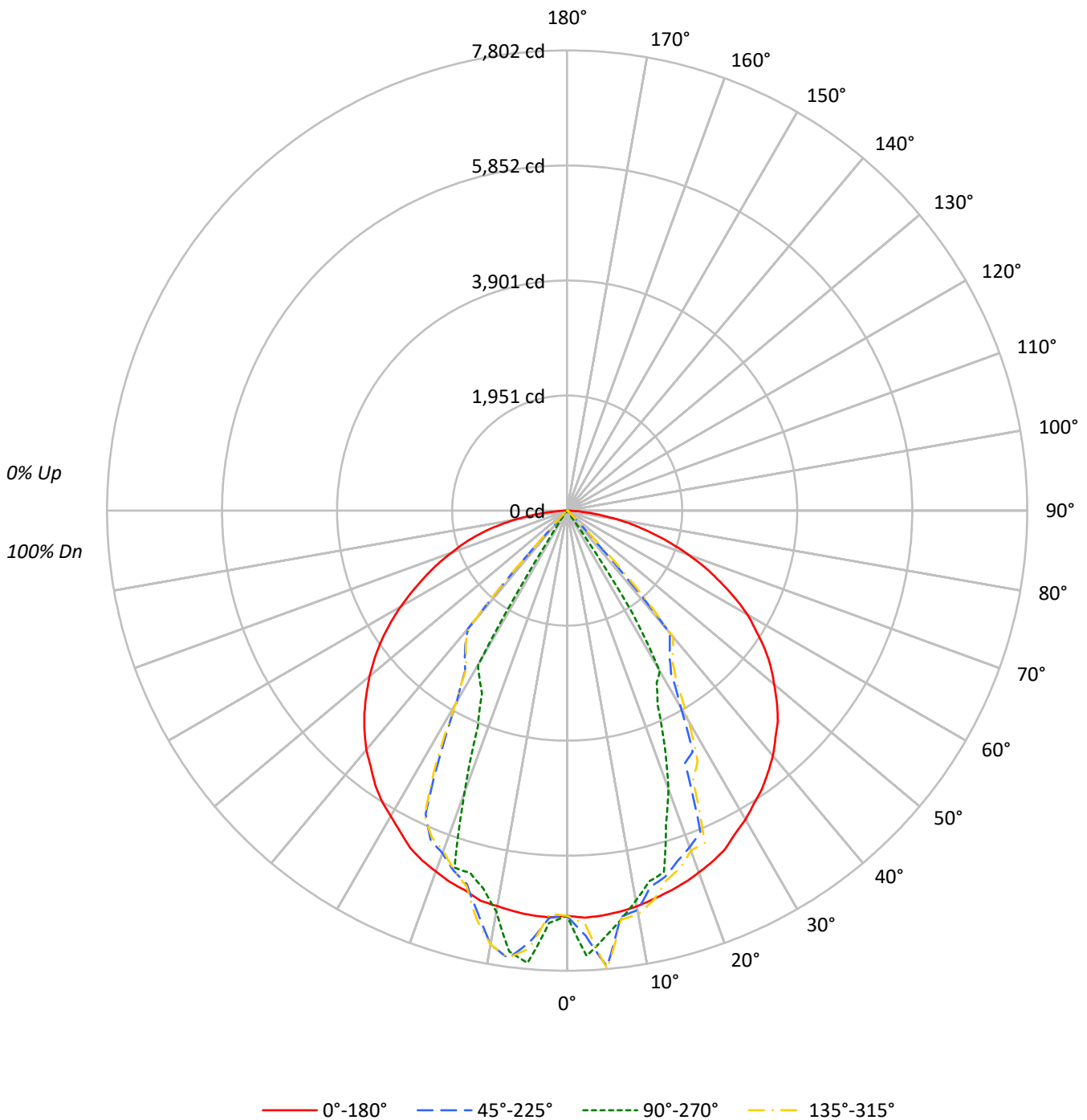
Lumens per Lamp: N/A
Luminaire Lumens: 9768.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-120SL-RM-UNV-L935-CD1-U

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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90					90			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65					65			
5	85	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59					59			
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42					42			
10	63	52	45	41	62	52	45	41	51	45	41	50	44	41	49	44	40	39					39			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27757	27757	27757	27757
5°	27908	28548	27900	30231
10°	27880	25832	27863	26578
15°	27843	24112	27774	24174
20°	27916	18991	27837	19225
25°	28041	13744	27904	12969
30°	27961	12056	27665	11590
35°	28096	266	27683	322
40°	28251	58	27575	58
45°	28419	34	27352	26
50°	28283	27	26985	27
55°	28214	19	26481	19
60°	27804	20	25630	20
65°	26511	33	24623	22
70°	24801	36	23611	36
75°	22231	40	22596	40
80°	18508	46	19566	46
85°	11596	54	11840	54



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RM-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.2	7.1
10°-20°	1879.9	19.2
20°-30°	2392.2	24.5
30°-40°	2020.7	20.7
40°-50°	1321.1	13.5
50°-60°	832.4	8.5
60°-70°	443.1	4.5
70°-80°	161.5	1.7
80°-90°	27.8	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4961.3	50.8
0°-40°	6982.0	71.5
0°-60°	9135.5	93.5
0°-90°	9768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9768.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6870	6870	6870	6870	6870	
5°	6890	7270	6888	7698	6890	655
15°	6684	6344	6668	6360	6684	1890
25°	6336	3622	6305	3418	6336	2914
35°	5758	68	5674	82	5758	3602
45°	5051	8	4862	6	5051	3885
55°	4094	4	3843	4	4094	3648
65°	2866	6	2662	4	2866	2838
75°	1507	6	1532	6	1507	1600
85°	295	6	301	6	295	373
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6908.8	6912.9	6914.9	6919.1	6925.3	6927.3	6931.4	6927.3	6927.3	6927.3	6927.3
5°	6890.2	6898.5	6904.6	6912.9	6927.3	6929.4	6945.9	6947.9	6956.2	6972.7	6985.0
7.5°	6859.3	6867.5	6879.9	6900.5	6921.1	6943.8	6972.7	7003.6	7046.9	7088.1	7139.7
10°	6813.9	6824.2	6838.7	6857.2	6958.2	6972.7	7036.6	7125.2	7150.0	7279.9	7376.8
12.5°	6747.9	6783.0	6820.1	6836.6	6933.5	7086.1	7300.5	7257.2	7209.8	7634.5	7628.3
15°	6684.0	6731.5	6712.9	6846.9	6935.6	7201.5	7110.8	7304.6	7659.2	7572.6	7576.8
17.5°	6616.0	6626.3	6729.4	6840.7	6999.5	7135.5	7246.9	7512.8	7582.9	7589.1	7512.8
20°	6529.4	6578.9	6729.4	6830.4	7098.4	7162.3	7403.6	7539.6	7510.8	7440.7	7310.8
22.5°	6440.8	6591.3	6743.8	6886.1	7073.7	7244.8	7364.4	7428.3	7277.8	7001.5	6853.1
25°	6335.6	6424.3	6624.2	6832.5	7067.5	7166.5	7236.6	7133.5	6937.6	6690.2	6440.8
27.5°	6172.7	6315.0	6570.6	6805.7	7018.0	7137.6	7024.2	6776.8	6461.4	6298.5	6185.1
30°	6047.0	6232.5	6442.8	6669.6	6890.2	6960.3	6671.7	6389.2	6172.7	6009.9	5985.1
32.5°	5894.4	6158.3	6358.3	6574.8	6760.3	6667.5	6387.2	6022.2	5842.9	5781.0	5805.8
35°	5758.3	5958.3	6220.2	6432.5	6566.5	6358.3	5915.0	5688.2	5601.6	5636.7	5591.3
37.5°	5595.5	5859.4	6100.6	6284.1	6238.7	5925.3	5550.1	5405.8	5416.1	5387.2	5300.6
40°	5426.4	5677.9	5929.5	6102.6	5943.9	5465.6	5216.1	5185.2	5191.4	5098.6	4974.9
42.5°	5228.5	5457.3	5708.9	5865.5	5523.3	5150.1	4981.1	4985.2	4931.6	4801.7	4735.7
45°	5051.2	5261.5	5523.3	5537.7	5117.1	4805.8	4756.3	4702.7	4583.2	4539.9	4490.4
47.5°	4824.4	5057.4	5273.8	5195.5	4719.2	4525.4	4488.3	4370.8	4311.0	4278.0	4236.8
50°	4583.2	4818.2	5016.1	4793.5	4344.0	4298.6	4177.0	4084.2	4043.0	4007.9	3970.8
52.5°	4354.3	4548.1	4750.2	4366.7	4055.4	4012.1	3873.9	3820.3	3779.1	3739.9	3731.7
55°	4094.5	4265.7	4403.8	3960.5	3779.1	3678.1	3579.1	3542.0	3502.8	3484.3	3515.2
57.5°	3799.7	3993.5	3972.9	3560.6	3480.2	3333.8	3296.7	3271.9	3243.1	3255.4	2997.7
60°	3533.8	3682.2	3581.2	3267.8	3131.7	3032.8	2999.8	2983.3	2999.8	2748.2	2416.3
62.5°	3205.9	3372.9	3168.8	2925.6	2781.2	2733.8	2705.0	2727.6	2486.4	2210.1	2129.7
65°	2865.8	3047.2	2746.2	2558.6	2467.9	2426.6	2424.6	2232.8	1995.7	1888.5	1888.5
67.5°	2538.0	2725.6	2338.0	2181.3	2146.2	2150.4	2030.8	1740.1	1674.1	1601.9	1393.7
70°	2189.5	2354.5	1931.8	1837.0	1816.4	1801.9	1511.2	1432.9	1354.5	1162.8	1146.3
72.5°	1843.2	1923.6	1552.5	1529.8	1525.7	1267.9	1210.2	1076.2	985.5	962.8	952.5
75°	1507.1	1482.4	1226.7	1247.3	1051.5	960.8	868.0	789.6	777.3	769.0	191.7
77.5°	1189.6	1065.9	966.9	841.2	752.5	639.1	620.6	608.2	400.0	144.3	117.5
80°	865.9	690.7	643.3	546.4	465.9	447.4	457.7	140.2	111.3	92.8	80.4
82.5°	550.5	441.2	360.8	315.4	307.2	134.0	99.0	80.4	70.1	59.8	49.5
85°	294.8	195.9	181.4	152.6	90.7	61.9	51.5	39.2	33.0	26.8	24.7
87.5°	92.8	78.3	63.9	51.5	30.9	20.6	16.5	14.4	12.4	10.3	10.3
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6923.2	6927.3	6925.3	6931.4	6931.4	6939.7	6945.9	6952.1	6964.4	6970.6	7018.0
5°	7011.8	7022.2	7053.1	7081.9	7117.0	7127.3	7187.1	7201.5	7271.6	7279.9	7510.8
7.5°	7209.8	7248.9	7323.2	7397.4	7471.6	7519.0	7601.5	7653.0	7708.7	7758.2	7941.7
10°	7448.9	7514.9	7587.1	7661.3	7704.6	7795.3	7844.8	7853.0	7838.6	7758.2	7461.3
12.5°	7684.0	7749.9	7719.0	7733.4	7785.0	7624.2	7646.8	7531.4	7611.8	7213.9	6919.1
15°	7651.0	7646.8	7570.6	7323.2	7364.4	7057.2	6933.5	6838.7	6914.9	6873.7	6828.4
17.5°	7552.0	7364.4	7232.4	6935.6	6809.8	6723.2	6725.3	6727.3	6690.2	6729.4	6613.9
20°	7133.5	6923.2	6727.3	6622.2	6585.1	6523.2	6554.1	6523.2	6525.3	6537.7	6360.3
22.5°	6576.8	6512.9	6399.5	6432.5	6420.1	6475.8	6434.6	6370.7	6391.3	6298.5	6164.5
25°	6352.1	6277.9	6273.8	6286.1	6267.6	6242.8	6205.7	6108.8	6102.6	6073.8	6011.9
27.5°	6125.3	6129.4	6141.8	6104.7	6038.7	5989.2	5933.6	5886.2	5904.7	5871.7	5787.2
30°	5968.6	5966.6	5892.3	5859.4	5737.7	5739.8	5725.3	5696.5	5677.9	5680.0	5626.4
32.5°	5746.0	5682.0	5597.5	5556.3	5546.0	5508.9	5480.0	5486.2	5500.6	5449.1	5504.7
35°	5517.1	5385.2	5372.8	5337.7	5304.8	5280.0	5290.3	5249.1	5247.0	5240.8	4787.3
37.5°	5209.9	5146.0	5139.8	5102.7	5080.0	5073.8	5034.7	5040.9	5059.4	5092.4	4082.2
40°	4956.3	4898.6	4884.2	4882.1	4832.6	4828.5	4838.8	4878.0	4904.8	4698.6	3890.4
42.5°	4684.2	4688.3	4643.0	4614.1	4620.3	4638.8	4688.3	4552.2	3944.0	3758.5	3556.4
45°	4451.2	4430.6	4405.9	4397.6	4451.2	4414.1	3869.8	3570.9	3498.7	3490.5	2923.5
47.5°	4207.9	4201.7	4191.4	4197.6	3892.5	3469.8	3346.1	3307.0	3319.3	3311.1	2511.2
50°	3962.6	3970.8	3970.8	3467.8	3183.3	3113.2	3123.5	3158.5	2940.0	2744.1	2340.0
52.5°	3750.2	3686.3	3158.5	2977.1	2913.2	2944.1	2869.9	2595.7	2397.8	2282.3	2164.8
55°	3356.4	2886.4	2768.9	2740.0	2762.7	2488.5	2319.4	2142.1	2090.6	2078.2	2010.2
57.5°	2641.0	2546.2	2556.5	2441.1	2179.2	2024.6	1956.6	1931.8	1909.1	1892.6	164.9
60°	2335.9	2362.7	2162.7	1915.3	1810.2	1789.6	1773.1	1750.4	1746.3	1717.4	105.1
62.5°	2138.0	1880.3	1707.1	1645.2	1620.5	1614.3	1583.4	1573.1	1336.0	183.5	78.3
65°	1612.3	1507.1	1474.1	1459.7	1432.9	1432.9	1189.6	187.6	152.6	131.9	70.1
67.5°	1315.4	1307.1	1290.6	1272.1	865.9	181.4	158.8	138.1	119.6	105.1	61.9
70°	1113.3	1109.2	1010.2	185.6	154.6	136.1	119.6	107.2	99.0	88.7	55.7
72.5°	913.3	185.6	156.7	136.1	117.5	107.2	96.9	86.6	78.3	72.2	45.4
75°	142.3	125.8	111.3	101.0	92.8	82.5	74.2	68.0	66.0	57.7	30.9
77.5°	103.1	88.7	80.4	72.2	63.9	57.7	49.5	43.3	39.2	33.0	22.7
80°	72.2	63.9	57.7	47.4	41.2	35.0	30.9	26.8	24.7	20.6	10.3
82.5°	41.2	35.0	30.9	24.7	22.7	18.6	16.5	14.4	14.4	10.3	10.3
85°	18.6	18.6	14.4	12.4	10.3	10.3	10.3	8.2	8.2	6.2	6.2
87.5°	8.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	4.1
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	7084.0	7110.8	7162.3	7216.0	7156.2	7370.6	7354.1	7426.2	7465.4	7484.0	7527.3
5°	7714.9	7834.5	7873.6	7756.1	7688.1	7618.0	7459.2	7339.7	7354.1	7314.9	7172.7
7.5°	7702.5	7446.9	7102.6	6945.9	6933.5	6914.9	6964.4	6993.3	6997.4	6995.4	6991.2
10°	7051.0	6919.1	6896.4	6875.8	6884.0	6807.7	6772.7	6673.7	6727.3	6698.5	6708.8
12.5°	6853.1	6822.2	6700.5	6531.5	6632.5	6556.2	6512.9	6541.8	6508.8	6477.9	6467.6
15°	6735.6	6535.6	6467.6	6426.3	6397.5	6381.0	6395.4	6362.4	6352.1	6345.9	6360.3
17.5°	6492.3	6411.9	6337.7	6228.4	6230.5	6224.3	6265.5	6327.4	6331.5	6014.0	5727.4
20°	6300.6	6234.6	6139.7	6071.7	6164.5	5999.6	5362.5	5059.4	5012.0	5012.0	5020.2
22.5°	6148.0	6001.6	6007.8	5900.6	5032.6	4855.3	4859.4	4878.0	4793.5	4504.8	4473.9
25°	5939.8	5917.1	5465.6	4723.4	4729.5	4591.4	4379.1	4080.1	3756.4	3756.4	3702.8
27.5°	5783.1	5302.7	4643.0	4612.0	4148.1	3855.4	3674.0	3399.7	3362.6	3327.6	3331.7
30°	5649.1	4486.3	4502.8	3855.4	3513.1	3269.9	3255.4	3210.1	3187.4	3181.2	3158.5
32.5°	4465.6	4368.7	3768.8	3282.2	3148.2	3109.0	3090.5	3038.9	3036.9	2997.7	2725.6
35°	4187.3	3834.8	3154.4	3022.5	2983.3	2946.2	2915.2	1956.6	230.9	92.8	80.4
37.5°	3869.8	3203.9	2917.3	2857.5	2820.4	2084.4	208.2	72.2	51.5	37.1	33.0
40°	3280.2	2861.6	2770.9	2705.0	1115.4	72.2	45.4	35.0	20.6	18.6	16.5
42.5°	2766.8	2696.7	2599.8	791.7	82.5	35.0	22.7	16.5	14.4	14.4	12.4
45°	2589.5	2527.6	1047.3	78.3	51.5	16.5	14.4	14.4	12.4	8.2	8.2
47.5°	2424.6	2133.9	94.8	49.5	33.0	14.4	12.4	8.2	8.2	8.2	6.2
50°	2249.3	117.5	66.0	37.1	20.6	8.2	8.2	8.2	8.2	6.2	6.2
52.5°	420.6	82.5	53.6	33.0	10.3	8.2	8.2	8.2	6.2	6.2	6.2
55°	99.0	66.0	49.5	28.9	8.2	8.2	8.2	6.2	6.2	6.2	4.1
57.5°	74.2	49.5	39.2	26.8	8.2	6.2	6.2	6.2	6.2	6.2	4.1
60°	61.9	35.0	30.9	24.7	6.2	6.2	6.2	6.2	6.2	6.2	4.1
62.5°	43.3	28.9	22.7	18.6	6.2	6.2	6.2	6.2	6.2	6.2	6.2
65°	35.0	22.7	18.6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	30.9	18.6	12.4	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2
70°	24.7	6.2	6.2	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	20.6	6.2	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2
75°	20.6	10.3	4.1	4.1	6.2	6.2	8.2	8.2	6.2	6.2	6.2
77.5°	14.4	10.3	4.1	4.1	6.2	6.2	8.2	8.2	6.2	6.2	6.2
80°	8.2	10.3	4.1	6.2	6.2	12.4	14.4	8.2	6.2	6.2	6.2
82.5°	8.2	10.3	12.4	12.4	6.2	10.3	12.4	10.3	8.2	6.2	6.2
85°	8.2	6.2	8.2	10.3	6.2	10.3	10.3	8.2	8.2	6.2	6.2
87.5°	4.1	6.2	6.2	8.2	8.2	8.2	10.3	8.2	8.2	8.2	6.2
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	7547.9	7556.1	7426.2	7380.9	7420.1	7411.8	7376.8	7246.9	7232.4	7145.9	7020.1
5°	7213.9	7269.6	7201.5	7319.0	7263.4	7319.0	7488.1	7566.4	7694.3	7772.6	7801.5
7.5°	6980.9	6993.3	6993.3	7003.6	7013.9	7016.0	7003.6	6995.4	6960.3	6917.0	6995.4
10°	6698.5	6712.9	6737.6	6733.5	6731.5	6774.7	6785.1	6873.7	6869.6	6886.1	6945.9
12.5°	6552.1	6440.8	6541.8	6515.0	6552.1	6494.4	6601.6	6583.0	6589.2	6638.7	6766.5
15°	6308.8	6343.9	6368.6	6368.6	6383.0	6370.7	6358.3	6442.8	6494.4	6496.4	6488.2
17.5°	5840.8	5574.8	5847.0	5776.9	6335.6	6350.0	6302.6	6263.4	6263.4	6294.4	6360.3
20°	5014.1	5020.2	5022.3	5049.1	5082.1	5080.0	5082.1	5894.4	6279.9	6191.3	6131.5
22.5°	4395.5	4319.3	4461.5	4451.2	4628.5	4824.4	5012.0	4993.4	5005.8	5579.0	6094.4
25°	3523.4	3622.4	3542.0	3577.1	3777.0	4010.0	4154.3	4531.6	4941.9	4913.0	5047.0
27.5°	3317.3	3290.5	3327.6	3327.6	3354.4	3385.3	3465.7	3678.1	4043.0	4426.5	4789.3
30°	3121.4	3144.1	3148.2	3185.3	3205.9	3226.6	3238.9	3319.3	3401.8	3667.8	4115.2
32.5°	2344.2	2055.5	2705.0	2880.2	3028.6	3063.7	3088.4	3121.4	3181.2	3220.4	3445.1
35°	68.0	68.0	72.2	82.5	105.1	709.2	2700.8	2977.1	3016.3	3065.7	3107.0
37.5°	33.0	24.7	28.9	30.9	37.1	51.5	74.2	230.9	2570.9	2907.0	2952.4
40°	14.4	14.4	14.4	14.4	16.5	20.6	30.9	51.5	78.3	2067.9	2789.5
42.5°	12.4	12.4	12.4	12.4	12.4	12.4	14.4	18.6	37.1	88.7	1463.8
45°	8.2	8.2	6.2	8.2	8.2	10.3	12.4	12.4	16.5	55.7	101.0
47.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	10.3	12.4	37.1	53.6
50°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	28.9	37.1
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.4	33.0
55°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	8.2	28.9
57.5°	4.1	4.1	4.1	4.1	4.1	6.2	4.1	4.1	6.2	6.2	26.8
60°	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2	24.7
62.5°	6.2	6.2	4.1	6.2	4.1	4.1	6.2	6.2	6.2	6.2	16.5
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	6.2
67.5°	6.2	6.2	6.2	6.2	4.1	6.2	4.1	6.2	6.2	4.1	4.1
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1
75°	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	4.1	4.1	4.1
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	10.3	12.4	10.3	10.3	4.1
80°	6.2	6.2	6.2	6.2	6.2	6.2	10.3	10.3	10.3	10.3	14.4
82.5°	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2	8.2	10.3
85°	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2	6.2	8.2
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	6.2	6.2	6.2
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	7030.4	6960.3	6937.6	6890.2	6886.1	6890.2	6879.9	6865.5	6873.7	6859.3	6846.9
5°	7818.0	7630.4	7508.7	7345.8	7121.1	7071.6	7059.3	6989.2	6964.4	6956.2	6923.2
7.5°	7180.9	7523.1	7729.3	7799.4	7535.5	7473.7	7401.5	7343.8	7288.1	7183.0	7119.1
10°	6898.5	6914.9	7112.9	7343.8	7719.0	7770.6	7809.7	7684.0	7648.9	7380.9	7323.2
12.5°	6832.5	6834.5	6857.2	6997.4	7292.2	7325.2	7463.4	7537.6	7628.3	7679.8	7638.6
15°	6531.5	6698.5	6822.2	6834.5	6861.3	6919.1	6960.3	7218.0	7327.3	7620.0	7603.6
17.5°	6391.3	6444.9	6624.2	6770.6	6745.9	6725.3	6758.3	6793.3	6898.5	7191.2	7187.1
20°	6158.3	6329.4	6426.3	6578.9	6717.0	6723.2	6686.1	6665.5	6624.2	6671.7	6715.0
22.5°	6059.3	6086.1	6267.6	6374.8	6531.5	6587.1	6595.4	6597.4	6574.8	6550.0	6537.7
25°	6049.0	5964.5	6057.3	6191.3	6306.7	6366.5	6434.6	6457.2	6449.0	6449.0	6436.6
27.5°	4950.1	5937.7	5888.2	5976.9	6117.1	6158.3	6193.4	6263.4	6306.7	6337.7	6352.1
30°	4715.1	4892.4	5756.3	5768.6	5910.9	5906.8	5945.9	6003.7	6059.3	6131.5	6150.1
32.5°	4170.8	4605.8	5269.7	5560.4	5708.9	5723.3	5743.9	5760.4	5811.9	5892.3	5962.4
35°	3342.0	4195.6	4515.1	5461.4	5488.2	5517.1	5529.5	5568.7	5585.1	5618.1	5680.0
37.5°	3024.5	3467.8	4331.6	4723.4	5234.7	5259.4	5325.4	5341.9	5368.7	5395.5	5442.9
40°	2841.0	2962.7	3605.9	4218.2	5030.6	5047.0	5069.7	5111.0	5113.0	5143.9	5187.2
42.5°	2694.6	2773.0	2960.6	4028.6	4886.2	4884.2	4830.6	4857.4	4869.7	4902.7	4962.5
45°	2152.4	2601.9	2721.4	3290.5	3890.4	4170.8	4708.9	4620.3	4618.2	4630.6	4694.5
47.5°	109.3	2447.2	2531.8	2715.3	3674.0	3684.3	3754.4	4344.0	4434.7	4405.9	4412.0
50°	74.2	169.1	2358.6	2443.1	3166.8	3422.4	3474.0	3500.8	3840.9	4220.3	4158.5
52.5°	57.7	96.9	1445.3	2267.9	2573.0	2760.6	3092.6	3282.2	3302.8	3455.4	3972.9
55°	51.5	74.2	156.7	2092.6	2187.5	2228.7	2422.5	2754.4	3022.5	3102.9	3109.0
57.5°	45.4	68.0	107.2	946.3	1989.5	1997.8	2030.8	2146.2	2387.4	2608.1	2857.5
60°	41.2	59.8	84.5	162.9	1808.1	1828.7	1834.9	1865.8	1894.7	2045.2	2331.8
62.5°	24.7	47.4	74.2	117.5	1430.8	1643.2	1641.1	1661.7	1688.5	1705.0	1762.8
65°	20.6	37.1	63.9	99.0	175.2	218.5	1327.7	1476.2	1492.7	1515.4	1525.7
67.5°	18.6	33.0	47.4	78.3	131.9	150.5	173.2	214.4	1171.0	1319.5	1340.1
70°	16.5	22.7	39.2	66.0	107.2	115.5	129.9	148.4	175.2	216.5	1059.7
72.5°	10.3	16.5	26.8	47.4	82.5	92.8	101.0	113.4	125.8	150.5	173.2
75°	4.1	12.4	22.7	35.0	63.9	70.1	76.3	84.5	94.8	111.3	123.7
77.5°	4.1	10.3	18.6	24.7	41.2	47.4	55.7	61.9	70.1	78.3	90.7
80°	14.4	8.2	12.4	18.6	28.9	30.9	35.0	39.2	45.4	51.5	59.8
82.5°	10.3	12.4	14.4	12.4	14.4	18.6	20.6	24.7	26.8	30.9	33.0
85°	8.2	8.2	10.3	10.3	10.3	10.3	10.3	10.3	12.4	14.4	18.6
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6846.9	6842.8	6830.4	6830.4	6828.4	6836.6	6842.8	6849.0	6846.9	6859.3	6846.9
5°	6898.5	6888.1	6869.6	6853.1	6846.9	6851.0	6844.8	6851.0	6842.8	6853.1	6834.5
7.5°	7040.7	7005.7	6933.5	6904.6	6867.5	6865.5	6846.9	6842.8	6830.4	6830.4	6807.7
10°	7292.2	7123.2	7102.6	7016.0	6985.0	6834.5	6867.5	6811.9	6805.7	6778.9	6768.6
12.5°	7498.4	7366.5	7327.3	7251.0	7164.4	6859.3	6927.3	6807.7	6801.6	6747.9	6692.3
15°	7502.5	7578.8	7471.6	7261.3	7242.8	7032.5	6894.3	6853.1	6799.5	6638.7	6665.5
17.5°	7261.3	7436.6	7488.1	7442.7	7310.8	7168.5	6974.7	6892.3	6731.5	6659.3	6609.8
20°	6869.6	7046.9	7267.5	7281.9	7364.4	7263.4	7009.8	6875.8	6682.0	6556.2	6515.0
22.5°	6558.3	6688.2	6941.7	7059.3	7160.3	7195.3	7034.5	6836.6	6595.4	6473.7	6449.0
25°	6393.3	6422.2	6498.5	6636.6	6859.3	7020.1	7042.8	6832.5	6706.7	6440.8	6300.6
27.5°	6333.5	6308.8	6277.9	6348.0	6515.0	6710.8	6840.7	6875.8	6562.4	6308.8	6168.6
30°	6181.0	6195.4	6148.0	6123.3	6232.5	6434.6	6665.5	6723.2	6482.0	6220.2	6059.3
32.5°	5993.4	6018.1	6026.4	5983.1	5960.4	6100.6	6350.0	6488.2	6475.8	6094.4	5915.0
35°	5758.3	5828.4	5847.0	5849.0	5811.9	5789.3	5933.6	6220.2	6329.4	6036.7	5776.9
37.5°	5510.9	5531.5	5632.6	5659.4	5659.4	5591.3	5698.5	5927.4	6080.0	5906.8	5607.8
40°	5201.7	5267.6	5362.5	5409.9	5457.3	5463.5	5403.7	5564.5	5816.1	5772.8	5449.1
42.5°	4976.9	5020.2	5078.0	5141.9	5238.8	5263.5	5201.7	5230.5	5492.4	5605.8	5242.9
45°	4715.1	4772.8	4789.3	4859.4	4960.5	5032.6	5030.6	4970.8	5181.1	5321.3	5092.4
47.5°	4447.1	4502.8	4531.6	4566.7	4640.9	4733.7	4785.2	4758.4	4799.6	5073.8	4892.4
50°	4170.8	4201.7	4259.5	4298.6	4348.1	4401.7	4525.4	4550.2	4492.4	4711.0	4671.8
52.5°	3909.0	3919.3	3958.5	3997.6	4063.6	4102.8	4201.7	4276.0	4271.8	4335.8	4426.5
55°	3704.9	3659.5	3667.8	3698.7	3742.0	3801.8	3857.4	3972.9	4012.1	4024.4	4168.8
57.5°	2894.6	3360.6	3401.8	3399.7	3451.3	3478.1	3529.6	3605.9	3746.1	3715.2	3876.0
60°	2630.7	2682.3	3071.9	3117.3	3135.8	3160.6	3222.4	3292.5	3395.6	3461.6	3531.7
62.5°	2006.0	2319.4	2436.9	2781.2	2834.8	2849.3	2890.5	2923.5	3030.7	3181.2	3152.3
65°	1552.5	1686.5	2045.2	2185.4	2478.2	2515.3	2573.0	2608.1	2639.0	2812.2	2820.4
67.5°	1342.2	1362.8	1459.7	1729.8	1915.3	2201.9	2236.9	2267.9	2315.3	2439.0	2515.3
70°	1146.3	1171.0	1197.8	1220.5	1461.7	1651.4	1917.4	1927.7	1958.6	2041.1	2214.3
72.5°	216.5	979.3	995.8	1010.2	1037.0	1162.8	1416.4	1622.6	1634.9	1674.1	1832.9
75°	146.4	171.1	235.0	808.2	835.0	843.2	886.5	1144.2	1333.9	1342.2	1412.3
77.5°	105.1	117.5	142.3	169.1	430.9	647.4	657.7	705.1	901.0	1043.2	1055.6
80°	72.2	80.4	94.8	107.2	131.9	173.2	478.3	492.7	517.5	713.3	750.5
82.5°	41.2	47.4	55.7	68.0	78.3	99.0	127.8	164.9	336.1	358.7	476.3
85°	20.6	22.7	26.8	33.0	39.2	47.4	63.9	78.3	107.2	193.8	200.0
87.5°	10.3	10.3	10.3	10.3	16.5	18.6	22.7	28.9	37.1	55.7	72.2
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6849.0	6877.8	6902.6	6908.8	6908.8	6912.9	6919.1	6923.2	6927.3	6931.4	6927.3
5°	6836.6	6867.5	6888.1	6894.3	6894.3	6906.7	6917.0	6929.4	6935.6	6935.6	6931.4
7.5°	6805.7	6828.4	6855.2	6871.6	6873.7	6894.3	6912.9	6910.8	6919.1	6923.2	6933.5
10°	6764.4	6764.4	6809.8	6822.2	6832.5	6855.2	6861.3	6873.7	6902.6	6906.7	6933.5
12.5°	6743.8	6723.2	6776.8	6783.0	6818.0	6789.2	6826.3	6838.7	6809.8	6849.0	6797.4
15°	6651.0	6675.8	6667.5	6686.1	6747.9	6715.0	6816.0	6783.0	6857.2	6768.6	6925.3
17.5°	6574.8	6570.6	6603.6	6620.1	6632.5	6702.6	6729.4	6766.5	6795.4	6770.6	6832.5
20°	6519.1	6486.1	6510.9	6529.4	6572.7	6626.3	6642.8	6587.1	6684.0	6849.0	6888.1
22.5°	6414.0	6391.3	6420.1	6420.1	6486.1	6477.9	6539.7	6504.7	6595.4	6787.1	6987.1
25°	6271.7	6273.8	6304.7	6341.8	6354.2	6446.9	6479.9	6525.3	6638.7	6867.5	6989.2
27.5°	6127.4	6115.0	6133.6	6209.8	6273.8	6341.8	6352.1	6506.7	6661.4	6818.0	6925.3
30°	5983.1	5970.7	5983.1	6038.7	6115.0	6160.4	6273.8	6479.9	6624.2	6731.5	6832.5
32.5°	5828.4	5816.1	5844.9	5886.2	6020.2	6026.4	6251.1	6444.9	6558.3	6636.6	6618.1
35°	5663.5	5647.0	5673.8	5737.7	5861.4	5906.8	6141.8	6286.1	6414.0	6451.1	6364.5
37.5°	5465.6	5436.7	5469.7	5558.3	5688.2	5820.2	6016.0	6183.0	6251.1	6152.1	6049.0
40°	5259.4	5238.8	5296.5	5341.9	5494.4	5677.9	5902.7	6020.2	5976.9	5863.5	5750.1
42.5°	5075.9	5032.6	5084.2	5170.7	5343.9	5552.2	5733.6	5799.6	5696.5	5529.5	5397.5
45°	4851.2	4799.6	4861.5	4976.9	5162.5	5399.6	5541.9	5519.2	5343.9	5199.6	5018.2
47.5°	4616.1	4554.3	4616.1	4754.3	4962.5	5214.0	5317.1	5214.0	4993.4	4812.0	4665.6
50°	4385.2	4313.1	4372.9	4581.1	4785.2	4979.0	4976.9	4777.0	4645.0	4447.1	4319.3
52.5°	4156.4	4053.3	4113.1	4339.9	4544.0	4764.6	4601.7	4416.2	4257.4	4084.2	4043.0
55°	3873.9	3762.6	3843.0	4172.9	4329.6	4459.5	4199.7	4036.8	3880.1	3793.5	3742.0
57.5°	3605.9	3484.3	3554.4	3944.0	4059.5	4092.5	3853.3	3622.4	3529.6	3500.8	3426.5
60°	3329.6	3191.5	3257.5	3706.9	3787.3	3653.3	3418.3	3238.9	3220.4	3162.6	3104.9
62.5°	3065.7	2913.2	2954.4	3412.1	3449.2	3205.9	2989.5	2942.0	2896.7	2839.0	2808.0
65°	2762.7	2603.9	2661.7	3098.7	3063.7	2750.3	2628.7	2618.4	2558.6	2511.2	2556.5
67.5°	2484.3	2296.7	2377.1	2756.5	2597.7	2342.1	2292.6	2267.9	2220.5	2247.3	1771.0
70°	2179.2	1975.1	2084.4	2387.4	2152.4	1983.4	1964.8	1927.7	1929.8	1533.9	1292.7
72.5°	1839.0	1661.7	1820.5	1983.4	1703.0	1653.5	1626.7	1622.6	1309.2	1063.8	1004.0
75°	1540.1	1360.7	1531.8	1593.7	1356.6	1323.6	1321.6	1092.7	859.7	820.6	802.0
77.5°	1202.0	1063.8	1226.7	1133.9	1041.2	1004.0	901.0	676.2	647.4	620.6	233.0
80°	810.2	820.6	915.4	781.4	742.2	632.9	498.9	478.3	412.3	164.9	129.9
82.5°	492.7	618.5	583.5	488.6	478.3	344.3	315.4	160.8	119.6	94.8	82.5
85°	255.7	313.4	301.0	266.0	197.9	177.3	99.0	76.3	61.9	47.4	39.2
87.5°	86.6	115.5	111.3	88.7	68.0	53.6	35.0	28.9	20.6	16.5	14.4
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6923.2	6923.2	6919.1	6923.2	6925.3	6921.1	6921.1	6925.3	6927.3	6929.4	6939.7
5°	6933.5	6937.6	6943.8	6956.2	6958.2	6983.0	6993.3	6999.5	7005.7	7007.7	6993.3
7.5°	6956.2	6970.6	6983.0	6980.9	6966.5	6927.3	6914.9	6904.6	6923.2	6970.6	7026.3
10°	6976.8	6910.8	6787.1	6956.2	6904.6	6952.1	7092.3	7123.2	7218.0	7352.0	7391.2
12.5°	6834.5	7016.0	7055.1	6865.5	7216.0	7086.1	7240.7	7376.8	7415.9	7552.0	7469.5
15°	6987.1	7075.8	7135.5	7325.2	7304.6	7415.9	7459.2	7432.4	7438.6	7473.7	7566.4
17.5°	6985.0	7162.3	7201.5	7329.3	7415.9	7418.0	7405.6	7393.3	7426.2	7453.0	7397.4
20°	7104.6	7162.3	7238.6	7290.2	7306.7	7327.3	7366.5	7335.5	7273.7	7213.9	7189.2
22.5°	7044.8	7174.7	7240.7	7248.9	7238.6	7174.7	7117.0	7030.4	7001.5	6970.6	6980.9
25°	7057.2	7117.0	7108.7	7075.8	7032.5	6912.9	6884.0	6846.9	6791.2	6657.2	6535.6
27.5°	6968.5	6937.6	6900.5	6820.1	6741.8	6677.9	6605.7	6486.1	6387.2	6242.8	6189.2
30°	6820.1	6696.4	6605.7	6558.3	6482.0	6374.8	6265.5	6119.1	5993.4	5964.5	5937.7
32.5°	6535.6	6414.0	6339.7	6224.3	6094.4	5966.6	5840.8	5783.1	5756.3	5760.4	5735.7
35°	6244.9	6137.7	6026.4	5853.2	5756.3	5628.4	5583.1	5570.7	5546.0	5519.2	5490.3
37.5°	5935.6	5809.9	5642.9	5539.8	5442.9	5391.3	5368.7	5350.1	5306.8	5259.4	5226.4
40°	5636.7	5409.9	5317.1	5216.1	5187.2	5164.6	5131.6	5086.2	5026.4	5018.2	5003.7
42.5°	5236.7	5073.8	4993.4	4972.8	4937.8	4898.6	4869.7	4820.3	4795.5	4812.0	4824.4
45°	4857.4	4774.9	4748.1	4723.4	4657.4	4601.7	4583.2	4566.7	4587.3	4678.0	4461.5
47.5°	4550.2	4517.2	4484.2	4443.0	4381.1	4339.9	4358.4	4374.9	4393.5	3727.6	3401.8
50°	4284.2	4238.9	4187.3	4142.0	4104.8	4100.7	4197.6	3906.9	3271.9	3255.4	2925.6
52.5°	3993.5	3925.5	3894.6	3867.8	3884.2	3946.1	3265.7	3030.7	2907.0	2525.6	2356.5
55°	3680.1	3620.3	3620.3	3645.1	3556.4	2882.3	2847.2	2461.7	2228.7	2162.7	2135.9
57.5°	3366.8	3360.6	3395.6	3104.9	2616.3	2509.1	2109.1	2024.6	1987.5	1979.2	1935.9
60°	3080.2	3137.9	2626.6	2416.3	2100.9	1894.7	1837.0	1826.7	1787.5	1773.1	1733.9
62.5°	2851.3	2364.8	2201.9	1797.8	1692.7	1665.9	1634.9	1620.5	1585.4	1399.9	410.3
65°	2059.6	1946.2	1579.3	1511.2	1503.0	1463.8	1451.4	1305.1	307.2	206.2	175.2
67.5°	1554.5	1379.3	1331.9	1319.5	1280.3	1202.0	356.7	204.1	175.2	152.6	134.0
70°	1193.7	1162.8	1127.8	1098.9	323.7	202.0	175.2	148.4	127.8	113.4	103.1
72.5°	977.2	956.6	556.7	212.4	173.2	146.4	129.9	113.4	99.0	90.7	82.5
75°	764.9	212.4	175.2	146.4	125.8	107.2	94.8	84.5	76.3	70.1	63.9
77.5°	173.2	140.2	119.6	101.0	90.7	80.4	72.2	61.9	55.7	49.5	41.2
80°	107.2	92.8	78.3	72.2	61.9	51.5	45.4	41.2	33.0	30.9	26.8
82.5°	70.1	55.7	49.5	41.2	33.0	30.9	26.8	20.6	18.6	16.5	14.4
85°	30.9	26.8	22.7	18.6	14.4	12.4	10.3	8.2	8.2	8.2	8.2
87.5°	10.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6943.8	6980.9	7016.0	7005.7	6968.5	6910.8	6894.3	6871.6	6888.1	6923.2	6937.6
5°	6993.3	6972.7	7046.9	7156.2	7333.5	7350.0	7473.7	7502.5	7601.5	7663.3	7661.3
7.5°	7063.4	7356.1	7477.8	7609.7	7669.5	7655.1	7673.7	7659.2	7636.5	7626.2	7613.9
10°	7420.1	7642.7	7688.1	7688.1	7595.3	7469.5	7415.9	7323.2	7137.6	7141.7	7110.8
12.5°	7628.3	7706.6	7599.4	7508.7	7135.5	6991.2	6834.5	6760.3	6717.0	6651.0	6675.8
15°	7519.0	7407.7	7343.8	7051.0	6822.2	6562.4	6566.5	6521.2	6473.7	6477.9	6446.9
17.5°	7358.2	7269.6	6816.0	6613.9	6502.6	6401.6	6383.0	6323.2	6292.3	6282.0	6279.9
20°	7137.6	6818.0	6479.9	6430.4	6296.4	6181.0	6162.4	6181.0	6275.8	6106.8	5533.6
22.5°	6879.9	6420.1	6321.2	6181.0	6090.3	6044.9	6158.3	5642.9	4863.6	4958.4	4857.4
25°	6442.8	6242.8	6073.8	5966.6	5956.3	5677.9	4731.6	4632.6	4131.6	3863.6	3562.6
27.5°	6123.3	6036.7	5859.4	5840.8	5706.8	4643.0	4150.2	3605.9	3405.9	3375.0	3309.0
30°	5929.5	5805.8	5698.5	5230.5	4554.3	3737.9	3329.6	3253.4	3218.3	3181.2	3123.5
32.5°	5696.5	5579.0	5630.5	4397.6	3630.7	3218.3	3135.8	3080.2	3016.3	2991.5	2783.3
35°	5459.4	5405.8	4399.7	3696.6	3121.4	3022.5	2960.6	2902.9	2309.1	558.7	189.7
37.5°	5205.8	5193.4	3954.3	3067.8	2923.5	2830.7	2655.5	548.4	129.9	88.7	66.0
40°	5007.9	3956.4	3125.5	2876.1	2758.6	2612.2	367.0	90.7	57.7	35.0	22.7
42.5°	4875.9	3558.5	2797.7	2698.8	2443.1	270.1	92.8	39.2	22.7	18.6	14.4
45°	3758.5	2810.1	2614.2	2511.2	309.3	92.8	53.6	18.6	14.4	12.4	8.2
47.5°	3467.8	2552.4	2436.9	548.4	103.1	49.5	37.1	12.4	8.2	8.2	8.2
50°	2626.6	2358.6	1940.1	134.0	66.0	35.0	26.8	8.2	8.2	8.2	6.2
52.5°	2302.9	2177.2	208.2	88.7	51.5	26.8	16.5	6.2	6.2	6.2	6.2
55°	2105.0	1381.3	123.7	68.0	43.3	24.7	10.3	6.2	6.2	6.2	4.1
57.5°	1925.6	185.6	90.7	57.7	39.2	22.7	6.2	6.2	6.2	6.2	4.1
60°	1632.9	134.0	74.2	51.5	37.1	20.6	6.2	6.2	6.2	6.2	6.2
62.5°	212.4	105.1	63.9	45.4	26.8	16.5	4.1	6.2	6.2	6.2	6.2
65°	154.6	82.5	57.7	30.9	16.5	6.2	4.1	6.2	6.2	6.2	6.2
67.5°	119.6	68.0	43.3	26.8	14.4	4.1	4.1	6.2	6.2	6.2	6.2
70°	94.8	57.7	35.0	22.7	12.4	4.1	4.1	6.2	6.2	6.2	6.2
72.5°	74.2	41.2	24.7	12.4	8.2	4.1	4.1	6.2	6.2	6.2	6.2
75°	55.7	33.0	18.6	10.3	4.1	4.1	4.1	6.2	6.2	6.2	6.2
77.5°	37.1	20.6	14.4	8.2	8.2	8.2	10.3	10.3	6.2	6.2	6.2
80°	24.7	14.4	10.3	10.3	10.3	8.2	10.3	10.3	6.2	10.3	6.2
82.5°	12.4	10.3	10.3	8.2	8.2	6.2	8.2	8.2	8.2	8.2	6.2
85°	8.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	6.2
87.5°	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2	8.2	8.2	6.2
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6919.1	6925.3	6908.8	6997.4	6952.1	6956.2	6974.7	6927.3	6937.6	6904.6	6882.0
5°	7669.5	7681.9	7694.3	7698.4	7706.6	7716.9	7704.6	7698.4	7686.0	7644.8	7601.5
7.5°	7552.0	7537.6	7531.4	7539.6	7554.1	7560.3	7549.9	7564.4	7618.0	7640.7	7655.1
10°	6933.5	6867.5	6912.9	6906.7	6855.2	7028.3	6980.9	7007.7	7026.3	7216.0	7331.4
12.5°	6638.7	6679.9	6601.6	6562.4	6613.9	6649.0	6684.0	6609.8	6712.9	6665.5	6818.0
15°	6391.3	6366.5	6358.3	6360.3	6350.0	6399.5	6411.9	6428.4	6442.8	6506.7	6531.5
17.5°	6279.9	6321.2	6337.7	6350.0	6329.4	6306.7	6284.1	6251.1	6261.4	6244.9	6292.3
20°	5148.1	5009.9	5001.7	5082.1	4993.4	5042.9	5162.5	5962.4	5935.6	6247.0	6141.8
22.5°	4296.6	4166.7	4055.4	3958.5	4096.6	4154.3	4377.0	4628.5	5036.7	4972.8	5416.1
25°	3509.0	3461.6	3432.7	3418.3	3428.6	3424.5	3474.0	3591.5	3777.0	4214.1	4779.0
27.5°	3282.2	3259.5	3249.2	3216.3	3241.0	3232.7	3271.9	3296.7	3352.3	3395.6	3579.1
30°	3102.9	3076.1	3057.5	3022.5	3047.2	3049.3	3061.6	3125.5	3148.2	3185.3	3243.1
32.5°	1133.9	668.0	626.8	595.8	651.5	849.4	1490.6	2606.0	2973.0	3001.8	3067.8
35°	111.3	92.8	82.5	82.5	84.5	92.8	123.7	325.7	595.8	2302.9	2882.3
37.5°	43.3	37.1	30.9	28.9	30.9	35.0	47.4	61.9	84.5	175.2	781.4
40°	18.6	16.5	14.4	14.4	14.4	14.4	16.5	20.6	30.9	57.7	90.7
42.5°	12.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	14.4	18.6	37.1
45°	8.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	10.3	16.5
47.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2
50°	6.2	6.2	6.2	6.2	4.1	6.2	4.1	6.2	6.2	6.2	6.2
52.5°	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
55°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
57.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
60°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
62.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	4.1
65°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	4.1
67.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	6.2	6.2	4.1	6.2	4.1	4.1	6.2	6.2	6.2	4.1	4.1
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.4	12.4	8.2
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	10.3	12.4	10.3
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	10.3	10.3	10.3
80°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
82.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
85°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6842.8	6840.7	6884.0	6917.0	6904.6	6917.0	6931.4	6933.5	6937.6	6921.1	6914.9
5°	7519.0	7455.1	7331.4	7242.8	7139.7	6952.1	6859.3	6869.6	6871.6	6865.5	6873.7
7.5°	7648.9	7642.7	7599.4	7580.9	7510.8	7376.8	7162.3	7125.2	7034.5	6976.8	6929.4
10°	7323.2	7471.6	7510.8	7576.8	7618.0	7593.2	7411.8	7385.0	7327.3	7261.3	7275.7
12.5°	6970.6	7092.3	7098.4	7457.2	7537.6	7545.8	7475.7	7512.8	7521.1	7372.6	7286.1
15°	6537.7	6595.4	6717.0	7051.0	7294.3	7446.9	7492.2	7512.8	7411.8	7405.6	7370.6
17.5°	6348.0	6385.1	6440.8	6628.4	6997.4	7222.1	7413.9	7399.4	7438.6	7409.8	7321.1
20°	6108.8	6139.7	6238.7	6333.5	6515.0	6813.9	7172.7	7199.5	7251.0	7244.8	7269.6
22.5°	6104.7	5995.4	6011.9	6086.1	6275.8	6543.8	6925.3	7013.9	7046.9	7069.6	7096.4
25°	4842.9	5710.9	5869.7	5917.1	6040.8	6197.5	6646.9	6679.9	6741.8	6842.8	6917.0
27.5°	4195.6	4785.2	5420.2	5750.1	5828.4	5958.3	6226.3	6275.8	6486.1	6510.9	6626.3
30°	3311.1	3766.7	4715.1	5508.9	5638.8	5729.5	5919.1	6018.1	6108.8	6207.8	6329.4
32.5°	3115.2	3187.4	3713.1	4558.4	5568.7	5500.6	5640.8	5700.6	5799.6	5886.2	5974.8
35°	2935.9	2985.3	3096.7	3733.7	4535.7	5313.0	5407.8	5447.0	5502.7	5568.7	5632.6
37.5°	2748.2	2822.5	2898.8	3069.9	4195.6	5164.6	5162.5	5207.9	5240.8	5296.5	5350.1
40°	498.9	2591.6	2715.3	2826.6	3253.4	4119.3	4931.6	4952.2	4974.9	5009.9	5065.6
42.5°	80.4	433.0	2544.1	2651.3	2773.0	3688.4	4826.4	4741.9	4727.5	4752.2	4801.7
45°	41.2	105.1	511.3	2476.1	2585.4	2942.0	3946.1	4595.5	4581.1	4533.7	4544.0
47.5°	30.9	66.0	125.8	855.6	2420.4	2525.6	3641.0	3601.8	3876.0	4401.7	4321.3
50°	26.8	45.4	74.2	175.2	2138.0	2325.6	2803.9	3276.0	3420.4	3438.9	4069.8
52.5°	24.7	30.9	53.6	113.4	449.5	2150.4	2280.2	2445.2	2688.5	3210.1	3197.7
55°	22.7	28.9	45.4	76.3	156.7	1938.0	2072.0	2102.9	2154.5	2403.9	2733.8
57.5°	12.4	26.8	43.3	66.0	117.5	354.6	1880.3	1905.0	1946.2	1956.6	2074.1
60°	6.2	24.7	39.2	57.7	86.6	164.9	1690.6	1719.5	1744.2	1748.3	1785.4
62.5°	4.1	22.7	33.0	53.6	72.2	117.5	400.0	816.4	1552.5	1552.5	1595.8
65°	4.1	16.5	20.6	35.0	66.0	96.9	169.1	195.9	381.4	938.1	1399.9
67.5°	4.1	6.2	18.6	28.9	49.5	74.2	123.7	144.3	173.2	197.9	367.0
70°	4.1	4.1	16.5	18.6	30.9	55.7	88.7	101.0	117.5	134.0	154.6
72.5°	4.1	4.1	14.4	14.4	20.6	37.1	68.0	74.2	84.5	94.8	109.3
75°	10.3	8.2	12.4	12.4	14.4	28.9	51.5	57.7	61.9	70.1	80.4
77.5°	10.3	10.3	10.3	10.3	10.3	18.6	33.0	37.1	43.3	47.4	55.7
80°	8.2	8.2	8.2	10.3	10.3	12.4	20.6	22.7	24.7	30.9	33.0
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	12.4	14.4	18.6
85°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2	8.2
87.5°	6.2	6.2	6.2	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6912.9	6900.5	6890.2	6896.4	6877.8	6869.6	6875.8	6877.8	6882.0	6892.3	6894.3
5°	6894.3	6890.2	6908.8	6919.1	6914.9	6919.1	6919.1	6910.8	6898.5	6906.7	6888.1
7.5°	6882.0	6855.2	6834.5	6838.7	6818.0	6842.8	6865.5	6898.5	6908.8	6908.8	6888.1
10°	7094.3	7065.4	6950.0	6871.6	6820.1	6774.7	6882.0	6772.7	6824.2	6628.4	6853.1
12.5°	7269.6	7308.7	7257.2	7042.8	7005.7	6869.6	6947.9	6813.9	6774.7	6550.0	6622.2
15°	7339.7	7265.4	7248.9	7189.2	7108.7	7069.6	6859.3	6836.6	6772.7	6797.4	6702.6
17.5°	7277.8	7314.9	7265.4	7226.3	7143.8	7051.0	6925.3	6813.9	6725.3	6527.3	6694.3
20°	7218.0	7267.5	7119.1	7143.8	7152.0	7044.8	6978.9	6886.1	6774.7	6589.2	6444.9
22.5°	7119.1	7084.0	7096.4	7059.3	7028.3	7042.8	6952.1	6888.1	6700.5	6616.0	6420.1
25°	6958.2	6945.9	6978.9	6974.7	6900.5	6875.8	6830.4	6762.4	6688.2	6552.1	6391.3
27.5°	6696.4	6760.3	6818.0	6844.8	6805.7	6739.7	6715.0	6675.8	6624.2	6486.1	6366.5
30°	6420.1	6492.3	6558.3	6616.0	6651.0	6622.2	6599.5	6576.8	6498.5	6407.8	6273.8
32.5°	6104.7	6199.5	6290.3	6360.3	6436.6	6459.3	6442.8	6424.3	6358.3	6275.8	6168.6
35°	5739.8	5869.7	6001.6	6127.4	6160.4	6214.0	6267.6	6236.6	6201.6	6119.1	6020.2
37.5°	5430.5	5523.3	5618.1	5776.9	5892.3	5960.4	6055.2	6067.6	6007.8	5968.6	5838.7
40°	5111.0	5195.5	5333.6	5426.4	5585.1	5663.5	5764.5	5809.9	5795.4	5772.8	5659.4
42.5°	4859.4	4900.7	4991.4	5073.8	5230.5	5391.3	5480.0	5529.5	5581.0	5562.5	5504.7
45°	4591.4	4628.5	4659.4	4731.6	4884.2	5026.4	5135.7	5209.9	5302.7	5346.0	5275.9
47.5°	4325.4	4335.8	4372.9	4432.7	4523.4	4632.6	4816.1	4927.5	5014.1	5098.6	5053.2
50°	4121.3	4084.2	4090.4	4127.5	4201.7	4309.0	4440.9	4597.6	4696.6	4799.6	4809.9
52.5°	3601.8	3902.8	3830.6	3851.3	3890.4	3942.0	4080.1	4234.7	4356.4	4445.0	4533.7
55°	3022.5	3082.2	3661.6	3579.1	3603.9	3649.2	3713.1	3867.8	3985.3	4109.0	4232.7
57.5°	2344.2	2789.5	2812.2	3348.2	3335.8	3340.0	3393.6	3482.2	3599.7	3754.4	3859.5
60°	1822.5	2010.2	2375.1	2560.6	3030.7	3047.2	3078.1	3129.7	3230.7	3377.1	3544.1
62.5°	1608.1	1632.9	1762.8	2041.1	2346.2	2715.3	2781.2	2789.5	2834.8	2981.2	3175.0
65°	1412.3	1428.8	1467.9	1496.8	1752.4	2109.1	2426.6	2478.2	2507.0	2593.6	2758.6
67.5°	973.1	1230.8	1265.9	1286.5	1311.2	1476.2	1870.0	2131.8	2164.8	2241.1	2385.4
70°	187.6	389.7	1065.9	1088.6	1100.9	1138.1	1202.0	1618.4	1837.0	1909.1	1975.1
72.5°	127.8	150.5	181.4	428.8	907.1	927.8	942.2	995.8	1364.8	1575.1	1610.2
75°	92.8	103.1	121.6	150.5	185.6	604.1	748.4	775.2	802.0	1107.1	1284.4
77.5°	66.0	74.2	82.5	96.9	113.4	146.4	210.3	579.3	606.1	620.6	876.2
80°	37.1	45.4	55.7	63.9	72.2	82.5	107.2	134.0	298.9	437.1	459.8
82.5°	20.6	24.7	28.9	35.0	39.2	49.5	59.8	72.2	94.8	140.2	296.9
85°	10.3	10.3	10.3	14.4	16.5	22.7	26.8	30.9	43.3	59.8	82.5
87.5°	6.2	6.2	8.2	8.2	8.2	10.3	10.3	10.3	12.4	18.6	26.8
90°	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-LD5-120SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	6869.6	6869.6	6869.6	6869.6	6869.6
2.5°	6896.4	6890.2	6890.2	6914.9	6908.8
5°	6884.0	6877.8	6875.8	6902.6	6890.2
7.5°	6873.7	6851.0	6844.8	6869.6	6859.3
10°	6832.5	6816.0	6826.3	6818.0	6813.9
12.5°	6762.4	6752.1	6708.8	6712.9	6747.9
15°	6636.6	6677.9	6603.6	6669.6	6684.0
17.5°	6405.7	6498.5	6570.6	6609.8	6616.0
20°	6508.8	6539.7	6502.6	6504.7	6529.4
22.5°	6374.8	6389.2	6399.5	6387.2	6440.8
25°	6160.4	6104.7	6224.3	6249.0	6335.6
27.5°	6094.4	6049.0	6104.7	6100.6	6172.7
30°	6040.8	5894.4	5919.1	5958.3	6047.0
32.5°	5964.5	5733.6	5708.9	5795.4	5894.4
35°	5830.5	5612.0	5554.2	5609.9	5758.3
37.5°	5717.1	5442.9	5327.4	5401.7	5595.5
40°	5548.0	5310.9	5131.6	5197.5	5426.4
42.5°	5346.0	5197.5	4921.3	4966.6	5228.5
45°	5141.9	5009.9	4717.2	4739.9	5051.2
47.5°	4933.7	4812.0	4504.8	4508.9	4824.4
50°	4729.5	4568.7	4315.1	4243.0	4583.2
52.5°	4463.6	4315.1	4123.4	4005.9	4354.3
55°	4212.1	4045.1	3904.9	3723.4	4094.5
57.5°	3966.7	3781.2	3686.3	3453.3	3799.7
60°	3630.7	3542.0	3401.8	3179.1	3533.8
62.5°	3286.4	3257.5	3115.2	2884.3	3205.9
65°	2884.3	2952.4	2806.0	2608.1	2865.8
67.5°	2505.0	2626.6	2465.8	2344.2	2538.0
70°	2100.9	2241.1	2150.4	2107.1	2189.5
72.5°	1703.0	1839.0	1847.3	1816.4	1843.2
75°	1315.4	1465.9	1548.3	1500.9	1507.1
77.5°	997.9	1070.0	1160.7	1197.8	1189.6
80°	616.4	742.2	816.4	892.7	865.9
82.5°	311.3	416.5	507.2	589.6	550.5
85°	129.9	167.0	233.0	307.2	294.8
87.5°	39.2	66.0	70.1	99.0	92.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)