

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-RM-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 (P33524)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-130HL-RM-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

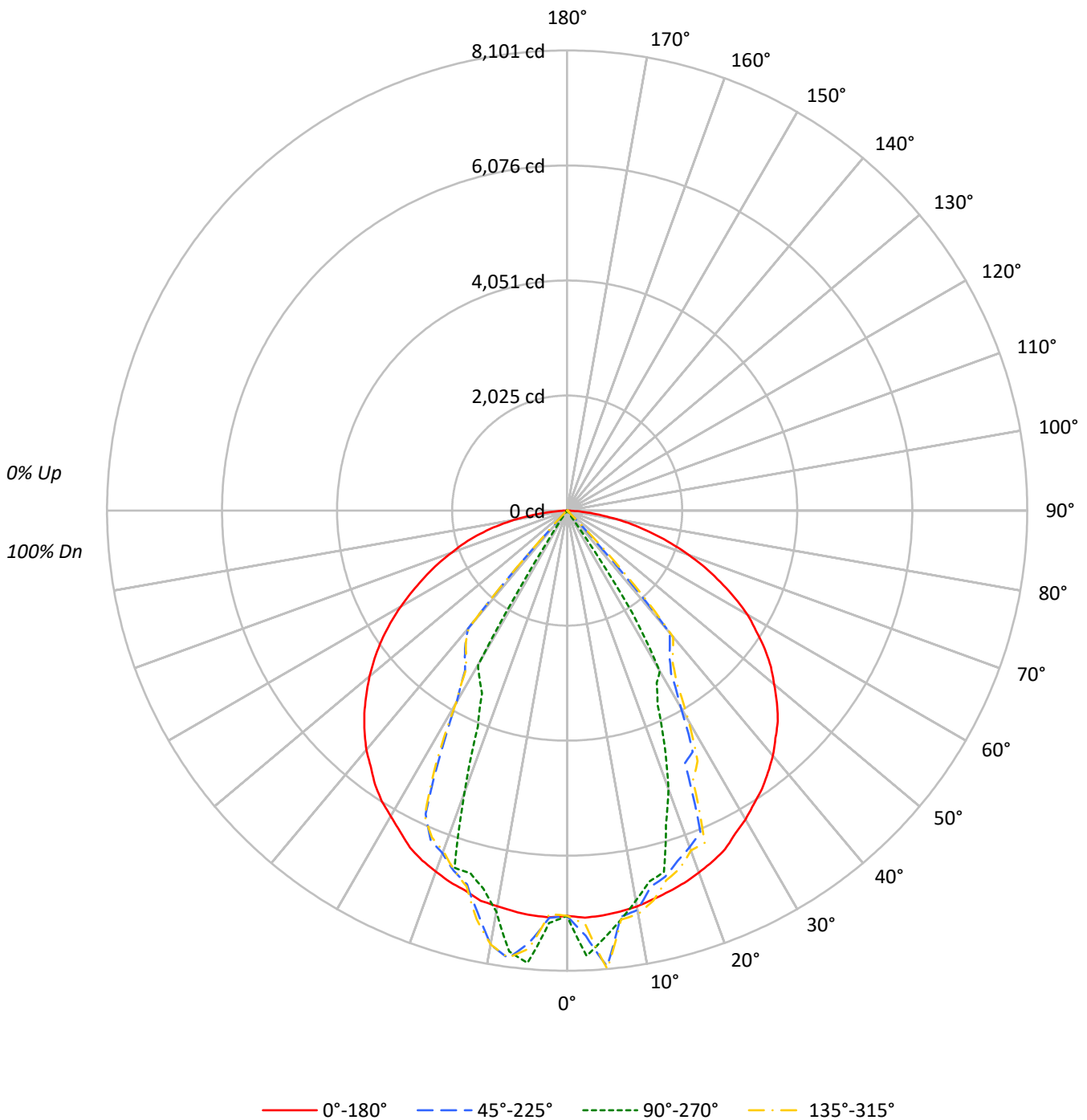
Lumens per Lamp: N/A
Luminaire Lumens: 10143.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P#
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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	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°	28822	28822	28822	28822
5°	28979	29643	28971	31392
10°	28950	26824	28932	27598
15°	28912	25037	28841	25102
20°	28988	19721	28906	19963
25°	29118	14271	28975	13467
30°	29034	12519	28727	12035
35°	29175	276	28746	334
40°	29336	60	28633	60
45°	29510	36	28402	27
50°	29368	28	28021	28
55°	29297	20	27497	20
60°	28871	21	26614	21
65°	27528	34	25567	23
70°	25754	37	24517	37
75°	23086	42	23465	42
80°	19220	48	20316	48
85°	12040	56	12296	56



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.7	7.1
10°-20°	1952.1	19.2
20°-30°	2484.0	24.5
30°-40°	2098.3	20.7
40°-50°	1371.8	13.5
50°-60°	864.4	8.5
60°-70°	460.1	4.5
70°-80°	167.7	1.7
80°-90°	28.9	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°	5151.8	50.8
0°-40°	7250.1	71.5
0°-60°	9486.3	93.5
0°-90°	10143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10143.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7133	7133	7133	7133	7133	
5°	7155	7549	7153	7994	7155	680
15°	6941	6587	6924	6604	6941	1962
25°	6579	3762	6547	3550	6579	3025
35°	5979	71	5892	86	5979	3741
45°	5245	9	5048	6	5245	4034
55°	4252	4	3990	4	4252	3788
65°	2976	6	2764	4	2976	2947
75°	1565	6	1591	6	1565	1661
85°	306	6	313	6	306	387
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7174.0	7178.3	7180.4	7184.7	7191.1	7193.3	7197.5	7193.3	7193.3	7193.3	7193.3
5°	7154.7	7163.3	7169.7	7178.3	7193.3	7195.4	7212.5	7214.7	7223.2	7240.4	7253.2
7.5°	7122.6	7131.2	7144.0	7165.4	7186.8	7210.4	7240.4	7272.5	7317.4	7360.2	7413.8
10°	7075.5	7086.2	7101.2	7120.5	7225.4	7240.4	7306.7	7398.8	7424.5	7559.3	7660.0
12.5°	7007.0	7043.4	7081.9	7099.1	7199.7	7358.1	7580.8	7535.8	7486.6	7927.6	7921.1
15°	6940.6	6989.9	6970.6	7109.8	7201.8	7478.0	7383.8	7585.0	7953.3	7863.3	7867.6
17.5°	6870.0	6880.7	6987.7	7103.3	7268.2	7409.5	7525.1	7801.3	7874.1	7880.5	7801.3
20°	6780.1	6831.5	6987.7	7092.6	7371.0	7437.3	7687.8	7829.1	7799.1	7726.3	7591.5
22.5°	6688.0	6844.3	7002.7	7150.4	7345.3	7523.0	7647.1	7713.5	7557.2	7270.3	7116.2
25°	6578.8	6670.9	6878.6	7094.8	7338.8	7441.6	7514.4	7407.3	7204.0	6947.1	6688.0
27.5°	6409.7	6557.4	6822.9	7066.9	7287.5	7411.6	7293.9	7037.0	6709.4	6540.3	6422.6
30°	6279.1	6471.8	6690.2	6925.7	7154.7	7227.5	6927.8	6634.5	6409.7	6240.6	6214.9
32.5°	6120.7	6394.7	6602.4	6827.2	7019.9	6923.5	6632.4	6253.4	6067.2	6002.9	6028.6
35°	5979.4	6187.1	6458.9	6679.5	6818.6	6602.4	6142.1	5906.6	5816.7	5853.1	5806.0
37.5°	5810.3	6084.3	6334.8	6525.3	6478.2	6152.8	5763.2	5613.3	5624.0	5594.0	5504.1
40°	5634.7	5895.9	6157.1	6336.9	6172.1	5675.4	5416.4	5384.2	5390.7	5294.3	5165.9
42.5°	5429.2	5666.8	5928.0	6090.7	5735.3	5347.8	5172.3	5176.6	5120.9	4986.0	4917.5
45°	5245.1	5463.5	5735.3	5750.3	5313.6	4990.3	4938.9	4883.3	4759.1	4714.2	4662.8
47.5°	5009.6	5251.5	5476.3	5394.9	4900.4	4699.2	4660.6	4538.6	4476.5	4442.3	4399.4
50°	4759.1	5003.2	5208.7	4977.5	4510.8	4463.7	4337.4	4241.0	4198.2	4161.8	4123.3
52.5°	4521.5	4722.7	4932.5	4534.3	4211.1	4166.1	4022.7	3967.0	3924.2	3883.5	3874.9
55°	4251.7	4429.4	4572.9	4112.6	3924.2	3819.3	3716.5	3678.0	3637.3	3618.0	3650.2
57.5°	3945.6	4146.8	4125.4	3697.3	3613.8	3461.8	3423.2	3397.5	3367.6	3380.4	3112.8
60°	3669.4	3823.6	3718.7	3393.2	3252.0	3149.2	3114.9	3097.8	3114.9	2853.8	2509.1
62.5°	3329.0	3502.4	3290.5	3037.9	2888.0	2838.8	2808.8	2832.3	2581.9	2295.0	2211.5
65°	2975.8	3164.2	2851.6	2656.8	2562.6	2519.8	2517.6	2318.5	2072.3	1961.0	1961.0
67.5°	2635.4	2830.2	2427.7	2265.0	2228.6	2232.9	2108.7	1806.9	1738.4	1663.4	1447.2
70°	2273.6	2444.9	2006.0	1907.5	1886.1	1871.1	1569.2	1487.9	1406.5	1207.4	1190.3
72.5°	1913.9	1997.4	1612.1	1588.5	1584.2	1316.6	1256.7	1117.5	1023.3	999.8	989.1
75°	1565.0	1539.3	1273.8	1295.2	1091.8	997.6	901.3	819.9	807.1	798.5	199.1
77.5°	1235.3	1106.8	1004.1	873.5	781.4	663.7	644.4	631.6	415.3	149.9	122.0
80°	899.2	717.2	667.9	567.3	483.8	464.6	475.3	145.6	115.6	96.3	83.5
82.5°	571.6	458.1	374.6	327.6	319.0	139.2	102.8	83.5	72.8	62.1	51.4
85°	306.1	203.4	188.4	158.4	94.2	64.2	53.5	40.7	34.3	27.8	25.7
87.5°	96.3	81.4	66.4	53.5	32.1	21.4	17.1	15.0	12.8	10.7	10.7
90°	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):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7189.0	7193.3	7191.1	7197.5	7197.5	7206.1	7212.5	7219.0	7231.8	7238.2	7287.5
5°	7281.0	7291.7	7323.9	7353.8	7390.2	7400.9	7463.0	7478.0	7550.8	7559.3	7799.1
7.5°	7486.6	7527.2	7604.3	7681.4	7758.4	7807.7	7893.3	7946.8	8004.6	8056.0	8246.6
10°	7734.9	7803.4	7878.3	7955.4	8000.4	8094.6	8145.9	8154.5	8139.5	8056.0	7747.7
12.5°	7979.0	8047.5	8015.3	8030.3	8083.9	7916.9	7940.4	7820.5	7904.0	7490.8	7184.7
15°	7944.7	7940.4	7861.2	7604.3	7647.1	7328.1	7199.7	7101.2	7180.4	7137.6	7090.5
17.5°	7841.9	7647.1	7510.1	7201.8	7071.2	6981.3	6983.5	6985.6	6947.1	6987.7	6867.9
20°	7407.3	7189.0	6985.6	6876.4	6837.9	6773.7	6805.8	6773.7	6775.8	6788.6	6604.5
22.5°	6829.3	6762.9	6645.2	6679.5	6666.6	6724.4	6681.6	6615.2	6636.6	6540.3	6401.1
25°	6596.0	6518.9	6514.6	6527.5	6508.2	6482.5	6444.0	6343.3	6336.9	6306.9	6242.7
27.5°	6360.5	6364.8	6377.6	6339.1	6270.6	6219.2	6161.4	6112.1	6131.4	6097.1	6009.4
30°	6197.8	6195.6	6118.6	6084.3	5958.0	5960.1	5945.1	5915.2	5895.9	5898.0	5842.4
32.5°	5966.6	5900.2	5812.4	5769.6	5758.9	5720.4	5690.4	5696.8	5711.8	5658.3	5716.1
35°	5728.9	5591.9	5579.1	5542.7	5508.4	5482.7	5493.4	5450.6	5448.5	5442.0	4971.1
37.5°	5409.9	5343.6	5337.1	5298.6	5275.1	5268.6	5228.0	5234.4	5253.6	5287.9	4238.9
40°	5146.6	5086.7	5071.7	5069.5	5018.2	5013.9	5024.6	5065.3	5093.1	4879.0	4039.8
42.5°	4864.0	4868.3	4821.2	4791.2	4797.6	4816.9	4868.3	4727.0	4095.4	3902.8	3693.0
45°	4622.1	4600.7	4575.0	4566.4	4622.1	4583.6	4018.4	3708.0	3633.0	3624.5	3035.7
47.5°	4369.5	4363.1	4352.4	4358.8	4041.9	3603.1	3474.6	3433.9	3446.8	3438.2	2607.6
50°	4114.7	4123.3	4123.3	3600.9	3305.5	3232.7	3243.4	3279.8	3052.9	2849.5	2429.9
52.5°	3894.2	3827.8	3279.8	3091.4	3025.0	3057.1	2980.1	2695.3	2489.8	2369.9	2247.9
55°	3485.3	2997.2	2875.2	2845.2	2868.7	2584.0	2408.5	2224.3	2170.8	2158.0	2087.3
57.5°	2742.4	2644.0	2654.7	2534.8	2262.9	2102.3	2031.7	2006.0	1982.4	1965.3	171.3
60°	2425.6	2453.4	2245.8	1988.9	1879.7	1858.3	1841.1	1817.6	1813.3	1783.3	109.2
62.5°	2220.1	1952.5	1772.6	1708.4	1682.7	1676.3	1644.2	1633.5	1387.3	190.5	81.4
65°	1674.1	1565.0	1530.7	1515.7	1487.9	1487.9	1235.3	194.8	158.4	137.0	72.8
67.5°	1365.9	1357.3	1340.2	1320.9	899.2	188.4	164.8	143.4	124.2	109.2	64.2
70°	1156.1	1151.8	1049.0	192.7	160.6	141.3	124.2	111.3	102.8	92.1	57.8
72.5°	948.4	192.7	162.7	141.3	122.0	111.3	100.6	89.9	81.4	74.9	47.1
75°	147.7	130.6	115.6	104.9	96.3	85.6	77.1	70.6	68.5	59.9	32.1
77.5°	107.0	92.1	83.5	74.9	66.4	59.9	51.4	45.0	40.7	34.3	23.5
80°	74.9	66.4	59.9	49.2	42.8	36.4	32.1	27.8	25.7	21.4	10.7
82.5°	42.8	36.4	32.1	25.7	23.5	19.3	17.1	15.0	15.0	10.7	10.7
85°	19.3	19.3	15.0	12.8	10.7	10.7	10.7	8.6	8.6	6.4	6.4
87.5°	8.6	8.6	8.6	8.6	8.6	6.4	6.4	6.4	6.4	6.4	4.3
90°	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):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7356.0	7383.8	7437.3	7493.0	7430.9	7653.5	7636.4	7711.3	7752.0	7771.3	7816.2
5°	8011.1	8135.2	8175.9	8053.9	7983.2	7910.4	7745.6	7621.4	7636.4	7595.7	7448.0
7.5°	7998.2	7732.8	7375.2	7212.5	7199.7	7180.4	7231.8	7261.8	7266.0	7263.9	7259.6
10°	7321.7	7184.7	7161.1	7139.7	7148.3	7069.1	7032.7	6929.9	6985.6	6955.6	6966.3
12.5°	7116.2	7084.1	6957.8	6782.2	6887.1	6807.9	6762.9	6792.9	6758.7	6726.6	6715.9
15°	6994.2	6786.5	6715.9	6673.0	6643.1	6625.9	6640.9	6606.7	6596.0	6589.5	6604.5
17.5°	6741.5	6658.0	6581.0	6467.5	6469.7	6463.2	6506.0	6570.3	6574.6	6244.9	5947.3
20°	6542.4	6473.9	6375.5	6304.8	6401.1	6229.9	5568.4	5253.6	5204.4	5204.4	5213.0
22.5°	6384.0	6232.0	6238.4	6127.1	5225.8	5041.7	5046.0	5065.3	4977.5	4677.8	4645.6
25°	6167.8	6144.2	5675.4	4904.7	4911.1	4767.7	4547.2	4236.7	3900.6	3900.6	3845.0
27.5°	6005.1	5506.3	4821.2	4789.1	4307.4	4003.4	3815.0	3530.3	3491.7	3455.3	3459.6
30°	5865.9	4658.5	4675.6	4003.4	3648.0	3395.4	3380.4	3333.3	3309.8	3303.3	3279.8
32.5°	4637.1	4536.5	3913.5	3408.2	3269.1	3228.4	3209.1	3155.6	3153.5	3112.8	2830.2
35°	4348.1	3982.0	3275.5	3138.5	3097.8	3059.3	3027.2	2031.7	239.8	96.3	83.5
37.5°	4018.4	3326.9	3029.3	2967.2	2928.7	2164.4	216.2	74.9	53.5	38.5	34.3
40°	3406.1	2971.5	2877.3	2808.8	1158.2	74.9	47.1	36.4	21.4	19.3	17.1
42.5°	2873.0	2800.2	2699.6	822.1	85.6	36.4	23.5	17.1	15.0	15.0	12.8
45°	2688.9	2624.7	1087.6	81.4	53.5	17.1	15.0	15.0	12.8	8.6	8.6
47.5°	2517.6	2215.8	98.5	51.4	34.3	15.0	12.8	8.6	8.6	8.6	6.4
50°	2335.7	122.0	68.5	38.5	21.4	8.6	8.6	8.6	8.6	6.4	6.4
52.5°	436.7	85.6	55.7	34.3	10.7	8.6	8.6	8.6	6.4	6.4	6.4
55°	102.8	68.5	51.4	30.0	8.6	8.6	8.6	6.4	6.4	6.4	4.3
57.5°	77.1	51.4	40.7	27.8	8.6	6.4	6.4	6.4	6.4	6.4	4.3
60°	64.2	36.4	32.1	25.7	6.4	6.4	6.4	6.4	6.4	6.4	4.3
62.5°	45.0	30.0	23.5	19.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	36.4	23.5	19.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	32.1	19.3	12.8	4.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	25.7	6.4	6.4	4.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
72.5°	21.4	6.4	4.3	4.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
75°	21.4	10.7	4.3	4.3	6.4	6.4	8.6	8.6	6.4	6.4	6.4
77.5°	15.0	10.7	4.3	4.3	6.4	6.4	8.6	8.6	6.4	6.4	6.4
80°	8.6	10.7	4.3	6.4	6.4	12.8	15.0	8.6	6.4	6.4	6.4
82.5°	8.6	10.7	12.8	12.8	6.4	10.7	12.8	10.7	8.6	6.4	6.4
85°	8.6	6.4	8.6	10.7	6.4	10.7	10.7	8.6	8.6	6.4	6.4
87.5°	4.3	6.4	6.4	8.6	8.6	8.6	10.7	8.6	8.6	8.6	6.4
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7837.7	7846.2	7711.3	7664.2	7704.9	7696.4	7660.0	7525.1	7510.1	7420.2	7289.6
5°	7490.8	7548.6	7478.0	7600.0	7542.2	7600.0	7775.6	7856.9	7989.7	8071.0	8101.0
7.5°	7248.9	7261.8	7261.8	7272.5	7283.2	7285.3	7272.5	7263.9	7227.5	7182.6	7263.9
10°	6955.6	6970.6	6996.3	6992.0	6989.9	7034.8	7045.5	7137.6	7133.3	7150.4	7212.5
12.5°	6803.6	6688.0	6792.9	6765.1	6803.6	6743.7	6855.0	6835.7	6842.2	6893.5	7026.3
15°	6551.0	6587.4	6613.1	6613.1	6628.1	6615.2	6602.4	6690.2	6743.7	6745.8	6737.3
17.5°	6065.0	5788.9	6071.5	5998.7	6578.8	6593.8	6544.6	6503.9	6503.9	6536.0	6604.5
20°	5206.6	5213.0	5215.1	5242.9	5277.2	5275.1	5277.2	6120.7	6521.0	6429.0	6366.9
22.5°	4564.3	4485.1	4632.8	4622.1	4806.2	5009.6	5204.4	5185.1	5198.0	5793.1	6328.4
25°	3658.7	3761.5	3678.0	3714.4	3922.0	4164.0	4313.8	4705.6	5131.6	5101.6	5240.8
27.5°	3444.6	3416.8	3455.3	3455.3	3483.2	3515.3	3598.8	3819.3	4198.2	4596.4	4973.2
30°	3241.2	3264.8	3269.1	3307.6	3329.0	3350.4	3363.3	3446.8	3532.4	3808.6	4273.1
32.5°	2434.1	2134.4	2808.8	2990.8	3144.9	3181.3	3207.0	3241.2	3303.3	3344.0	3577.4
35°	70.6	70.6	74.9	85.6	109.2	736.5	2804.5	3091.4	3132.1	3183.4	3226.3
37.5°	34.3	25.7	30.0	32.1	38.5	53.5	77.1	239.8	2669.6	3018.6	3065.7
40°	15.0	15.0	15.0	15.0	17.1	21.4	32.1	53.5	81.4	2147.3	2896.6
42.5°	12.8	12.8	12.8	12.8	12.8	12.8	15.0	19.3	38.5	92.1	1520.0
45°	8.6	8.6	6.4	8.6	8.6	10.7	12.8	12.8	17.1	57.8	104.9
47.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	10.7	12.8	38.5	55.7
50°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	30.0	38.5
52.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	12.8	34.3
55°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	8.6	30.0
57.5°	4.3	4.3	4.3	4.3	4.3	6.4	4.3	4.3	6.4	6.4	27.8
60°	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4	6.4	6.4	25.7
62.5°	6.4	6.4	4.3	6.4	4.3	4.3	6.4	6.4	6.4	6.4	17.1
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	4.3	6.4
67.5°	6.4	6.4	6.4	6.4	4.3	6.4	4.3	6.4	6.4	4.3	4.3
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3	4.3	4.3
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3	4.3	4.3
75°	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6	4.3	4.3	4.3
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	10.7	12.8	10.7	10.7	4.3
80°	6.4	6.4	6.4	6.4	6.4	6.4	10.7	10.7	10.7	10.7	15.0
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6	8.6	8.6	10.7
85°	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6	8.6	6.4	8.6
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	6.4	6.4	6.4
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7300.3	7227.5	7204.0	7154.7	7150.4	7154.7	7144.0	7129.0	7137.6	7122.6	7109.8
5°	8118.1	7923.3	7797.0	7627.9	7394.5	7343.1	7330.3	7257.5	7231.8	7223.2	7189.0
7.5°	7456.6	7812.0	8026.1	8098.8	7824.8	7760.6	7685.7	7625.7	7567.9	7458.7	7392.4
10°	7163.3	7180.4	7385.9	7625.7	8015.3	8068.9	8109.5	7979.0	7942.6	7664.2	7604.3
12.5°	7094.8	7096.9	7120.5	7266.0	7572.2	7606.4	7749.9	7827.0	7921.1	7974.7	7931.9
15°	6782.2	6955.6	7084.1	7096.9	7124.8	7184.7	7227.5	7495.1	7608.6	7912.6	7895.5
17.5°	6636.6	6692.3	6878.6	7030.6	7004.9	6983.5	7017.7	7054.1	7163.3	7467.3	7463.0
20°	6394.7	6572.4	6673.0	6831.5	6974.9	6981.3	6942.8	6921.4	6878.6	6927.8	6972.8
22.5°	6292.0	6319.8	6508.2	6619.5	6782.2	6840.0	6848.6	6850.7	6827.2	6801.5	6788.6
25°	6281.3	6193.5	6289.8	6429.0	6548.9	6610.9	6681.6	6705.1	6696.6	6696.6	6683.7
27.5°	5140.2	6165.7	6114.3	6206.3	6351.9	6394.7	6431.1	6503.9	6548.9	6581.0	6596.0
30°	4896.1	5080.2	5977.3	5990.1	6137.8	6133.5	6174.2	6234.2	6292.0	6366.9	6386.2
32.5°	4330.9	4782.7	5472.0	5773.9	5928.0	5943.0	5964.4	5981.5	6035.1	6118.6	6191.3
35°	3470.3	4356.6	4688.5	5671.1	5698.9	5728.9	5741.8	5782.4	5799.6	5833.8	5898.0
37.5°	3140.6	3600.9	4497.9	4904.7	5435.6	5461.3	5529.8	5546.9	5574.8	5602.6	5651.8
40°	2950.1	3076.4	3744.3	4380.2	5223.7	5240.8	5264.4	5307.2	5309.3	5341.4	5386.4
42.5°	2798.1	2879.4	3074.3	4183.2	5073.8	5071.7	5016.0	5043.8	5056.7	5090.9	5153.0
45°	2235.0	2701.8	2825.9	3416.8	4039.8	4330.9	4889.7	4797.6	4795.5	4808.4	4874.7
47.5°	113.5	2541.2	2629.0	2819.5	3815.0	3825.7	3898.5	4510.8	4605.0	4575.0	4581.4
50°	77.1	175.5	2449.1	2536.9	3288.3	3553.8	3607.3	3635.2	3988.4	4382.3	4318.1
52.5°	59.9	100.6	1500.7	2354.9	2671.8	2866.6	3211.3	3408.2	3429.6	3588.1	4125.4
55°	53.5	77.1	162.7	2173.0	2271.4	2314.3	2515.5	2860.2	3138.5	3222.0	3228.4
57.5°	47.1	70.6	111.3	982.7	2065.9	2074.5	2108.7	2228.6	2479.1	2708.2	2967.2
60°	42.8	62.1	87.8	169.1	1877.5	1898.9	1905.4	1937.5	1967.4	2123.7	2421.3
62.5°	25.7	49.2	77.1	122.0	1485.8	1706.3	1704.1	1725.5	1753.4	1770.5	1830.4
65°	21.4	38.5	66.4	102.8	182.0	226.9	1378.7	1532.8	1550.0	1573.5	1584.2
67.5°	19.3	34.3	49.2	81.4	137.0	156.3	179.8	222.6	1216.0	1370.1	1391.6
70°	17.1	23.5	40.7	68.5	111.3	119.9	134.9	154.1	182.0	224.8	1100.4
72.5°	10.7	17.1	27.8	49.2	85.6	96.3	104.9	117.7	130.6	156.3	179.8
75°	4.3	12.8	23.5	36.4	66.4	72.8	79.2	87.8	98.5	115.6	128.5
77.5°	4.3	10.7	19.3	25.7	42.8	49.2	57.8	64.2	72.8	81.4	94.2
80°	15.0	8.6	12.8	19.3	30.0	32.1	36.4	40.7	47.1	53.5	62.1
82.5°	10.7	12.8	15.0	12.8	15.0	19.3	21.4	25.7	27.8	32.1	34.3
85°	8.6	8.6	10.7	10.7	10.7	10.7	10.7	10.7	12.8	15.0	19.3
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7109.8	7105.5	7092.6	7092.6	7090.5	7099.1	7105.5	7111.9	7109.8	7122.6	7109.8
5°	7163.3	7152.6	7133.3	7116.2	7109.8	7114.0	7107.6	7114.0	7105.5	7116.2	7096.9
7.5°	7311.0	7274.6	7199.7	7169.7	7131.2	7129.0	7109.8	7105.5	7092.6	7092.6	7069.1
10°	7572.2	7396.6	7375.2	7285.3	7253.2	7096.9	7131.2	7073.4	7066.9	7039.1	7028.4
12.5°	7786.3	7649.3	7608.6	7529.4	7439.5	7122.6	7193.3	7069.1	7062.7	7007.0	6949.2
15°	7790.6	7869.8	7758.4	7540.1	7520.8	7302.4	7159.0	7116.2	7060.5	6893.5	6921.4
17.5°	7540.1	7722.1	7775.6	7728.5	7591.5	7443.7	7242.5	7156.9	6989.9	6914.9	6863.6
20°	7133.3	7317.4	7546.5	7561.5	7647.1	7542.2	7278.9	7139.7	6938.5	6807.9	6765.1
22.5°	6810.0	6944.9	7208.2	7330.3	7435.2	7471.6	7304.6	7099.1	6848.6	6722.3	6696.6
25°	6638.8	6668.8	6748.0	6891.4	7122.6	7289.6	7313.1	7094.8	6964.2	6688.0	6542.4
27.5°	6576.7	6551.0	6518.9	6591.7	6765.1	6968.5	7103.3	7139.7	6814.3	6551.0	6405.4
30°	6418.3	6433.3	6384.0	6358.3	6471.8	6681.6	6921.4	6981.3	6730.8	6458.9	6292.0
32.5°	6223.5	6249.1	6257.7	6212.8	6189.2	6334.8	6593.8	6737.3	6724.4	6328.4	6142.1
35°	5979.4	6052.2	6071.5	6073.6	6035.1	6011.5	6161.4	6458.9	6572.4	6268.4	5998.7
37.5°	5722.5	5743.9	5848.8	5876.6	5876.6	5806.0	5917.3	6154.9	6313.4	6133.5	5823.1
40°	5401.4	5469.9	5568.4	5617.6	5666.8	5673.3	5611.2	5778.2	6039.3	5994.4	5658.3
42.5°	5168.0	5213.0	5272.9	5339.3	5439.9	5465.6	5401.4	5431.3	5703.2	5821.0	5444.2
45°	4896.1	4956.1	4973.2	5046.0	5150.9	5225.8	5223.7	5161.6	5380.0	5525.5	5287.9
47.5°	4617.8	4675.6	4705.6	4742.0	4819.1	4915.4	4968.9	4941.1	4983.9	5268.6	5080.2
50°	4330.9	4363.1	4423.0	4463.7	4515.1	4570.7	4699.2	4724.9	4664.9	4891.8	4851.2
52.5°	4059.1	4069.8	4110.4	4151.1	4219.6	4260.3	4363.1	4440.1	4435.8	4502.2	4596.4
55°	3847.1	3800.0	3808.6	3840.7	3885.6	3947.7	4005.5	4125.4	4166.1	4178.9	4328.8
57.5°	3005.8	3489.6	3532.4	3530.3	3583.8	3611.6	3665.1	3744.3	3889.9	3857.8	4024.8
60°	2731.7	2785.2	3189.9	3237.0	3256.2	3281.9	3346.2	3418.9	3526.0	3594.5	3667.3
62.5°	2083.0	2408.5	2530.5	2888.0	2943.7	2958.7	3001.5	3035.7	3147.1	3303.3	3273.4
65°	1612.1	1751.2	2123.7	2269.3	2573.3	2611.8	2671.8	2708.2	2740.3	2920.1	2928.7
67.5°	1393.7	1415.1	1515.7	1796.2	1988.9	2286.4	2322.8	2354.9	2404.2	2532.6	2611.8
70°	1190.3	1216.0	1243.8	1267.4	1517.9	1714.8	1991.0	2001.7	2033.8	2119.4	2299.3
72.5°	224.8	1016.9	1034.0	1049.0	1076.8	1207.4	1470.8	1684.8	1697.7	1738.4	1903.2
75°	152.0	177.7	244.1	839.2	867.0	875.6	920.6	1188.2	1385.1	1393.7	1466.5
77.5°	109.2	122.0	147.7	175.5	447.4	672.2	682.9	732.2	935.6	1083.3	1096.1
80°	74.9	83.5	98.5	111.3	137.0	179.8	496.7	511.7	537.4	740.7	779.3
82.5°	42.8	49.2	57.8	70.6	81.4	102.8	132.7	171.3	349.0	372.5	494.5
85°	21.4	23.5	27.8	34.3	40.7	49.2	66.4	81.4	111.3	201.2	207.7
87.5°	10.7	10.7	10.7	10.7	17.1	19.3	23.5	30.0	38.5	57.8	74.9
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7111.9	7141.9	7167.6	7174.0	7174.0	7178.3	7184.7	7189.0	7193.3	7197.5	7193.3
5°	7099.1	7131.2	7152.6	7159.0	7159.0	7171.9	7182.6	7195.4	7201.8	7201.8	7197.5
7.5°	7066.9	7090.5	7118.3	7135.5	7137.6	7159.0	7178.3	7176.1	7184.7	7189.0	7199.7
10°	7024.1	7024.1	7071.2	7084.1	7094.8	7118.3	7124.8	7137.6	7167.6	7171.9	7199.7
12.5°	7002.7	6981.3	7037.0	7043.4	7079.8	7049.8	7088.4	7101.2	7071.2	7111.9	7058.4
15°	6906.4	6932.1	6923.5	6942.8	7007.0	6972.8	7077.7	7043.4	7120.5	7028.4	7191.1
17.5°	6827.2	6822.9	6857.1	6874.3	6887.1	6959.9	6987.7	7026.3	7056.2	7030.6	7094.8
20°	6769.4	6735.1	6760.8	6780.1	6825.0	6880.7	6897.8	6840.0	6940.6	7111.9	7152.6
22.5°	6660.2	6636.6	6666.6	6666.6	6735.1	6726.6	6790.8	6754.4	6848.6	7047.7	7255.3
25°	6512.5	6514.6	6546.7	6585.3	6598.1	6694.4	6728.7	6775.8	6893.5	7131.2	7257.5
27.5°	6362.6	6349.8	6369.0	6448.2	6514.6	6585.3	6596.0	6756.5	6917.1	7079.8	7191.1
30°	6212.8	6199.9	6212.8	6270.6	6349.8	6396.9	6514.6	6728.7	6878.6	6989.9	7094.8
32.5°	6052.2	6039.3	6069.3	6112.1	6251.3	6257.7	6491.1	6692.3	6810.0	6891.4	6872.1
35°	5880.9	5863.8	5891.6	5958.0	6086.4	6133.5	6377.6	6527.5	6660.2	6698.7	6608.8
37.5°	5675.4	5645.4	5679.7	5771.7	5906.6	6043.6	6247.0	6420.4	6491.1	6388.3	6281.3
40°	5461.3	5439.9	5499.8	5546.9	5705.4	5895.9	6129.3	6251.3	6206.3	6088.6	5970.8
42.5°	5270.8	5225.8	5279.3	5369.3	5549.1	5765.3	5953.7	6022.2	5915.2	5741.8	5604.7
45°	5037.4	4983.9	5048.1	5168.0	5360.7	5606.9	5754.6	5731.1	5549.1	5399.2	5210.8
47.5°	4793.4	4729.1	4793.4	4936.8	5153.0	5414.2	5521.3	5414.2	5185.1	4996.7	4844.7
50°	4553.6	4478.7	4540.7	4757.0	4968.9	5170.2	5168.0	4960.4	4823.3	4617.8	4485.1
52.5°	4316.0	4208.9	4271.0	4506.5	4718.4	4947.5	4778.4	4585.7	4420.9	4241.0	4198.2
55°	4022.7	3907.1	3990.5	4333.1	4495.8	4630.7	4360.9	4191.8	4029.1	3939.2	3885.6
57.5°	3744.3	3618.0	3690.8	4095.4	4215.3	4249.6	4001.3	3761.5	3665.1	3635.2	3558.1
60°	3457.5	3314.0	3382.5	3849.3	3932.7	3793.6	3549.5	3363.3	3344.0	3284.1	3224.1
62.5°	3183.4	3025.0	3067.8	3543.1	3581.6	3329.0	3104.2	3055.0	3007.9	2948.0	2915.8
65°	2868.7	2703.9	2763.8	3217.7	3181.3	2855.9	2729.6	2718.9	2656.8	2607.6	2654.7
67.5°	2579.7	2384.9	2468.4	2862.3	2697.5	2432.0	2380.6	2354.9	2305.7	2333.5	1839.0
70°	2262.9	2050.9	2164.4	2479.1	2235.0	2059.5	2040.2	2001.7	2003.8	1592.8	1342.3
72.5°	1909.6	1725.5	1890.4	2059.5	1768.3	1717.0	1689.1	1684.8	1359.4	1104.7	1042.6
75°	1599.2	1413.0	1590.7	1654.9	1408.7	1374.4	1372.3	1134.7	892.7	852.1	832.8
77.5°	1248.1	1104.7	1273.8	1177.5	1081.1	1042.6	935.6	702.2	672.2	644.4	241.9
80°	841.4	852.1	950.5	811.4	770.7	657.2	518.1	496.7	428.2	171.3	134.9
82.5°	511.7	642.3	605.9	507.4	496.7	357.5	327.6	167.0	124.2	98.5	85.6
85°	265.5	325.4	312.6	276.2	205.5	184.1	102.8	79.2	64.2	49.2	40.7
87.5°	89.9	119.9	115.6	92.1	70.6	55.7	36.4	30.0	21.4	17.1	15.0
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7189.0	7189.0	7184.7	7189.0	7191.1	7186.8	7186.8	7191.1	7193.3	7195.4	7206.1
5°	7199.7	7204.0	7210.4	7223.2	7225.4	7251.1	7261.8	7268.2	7274.6	7276.8	7261.8
7.5°	7223.2	7238.2	7251.1	7248.9	7233.9	7193.3	7180.4	7169.7	7189.0	7238.2	7296.0
10°	7244.6	7176.1	7047.7	7223.2	7169.7	7219.0	7364.5	7396.6	7495.1	7634.3	7675.0
12.5°	7096.9	7285.3	7326.0	7129.0	7493.0	7358.1	7518.7	7660.0	7700.6	7841.9	7756.3
15°	7255.3	7347.4	7409.5	7606.4	7585.0	7700.6	7745.6	7717.8	7724.2	7760.6	7856.9
17.5°	7253.2	7437.3	7478.0	7610.7	7700.6	7702.8	7689.9	7677.1	7711.3	7739.2	7681.4
20°	7377.4	7437.3	7516.5	7570.0	7587.2	7608.6	7649.3	7617.1	7552.9	7490.8	7465.1
22.5°	7315.3	7450.2	7518.7	7527.2	7516.5	7450.2	7390.2	7300.3	7270.3	7238.2	7248.9
25°	7328.1	7390.2	7381.7	7347.4	7302.4	7178.3	7148.3	7109.8	7052.0	6912.8	6786.5
27.5°	7236.1	7204.0	7165.4	7081.9	7000.6	6934.2	6859.3	6735.1	6632.4	6482.5	6426.8
30°	7081.9	6953.5	6859.3	6810.0	6730.8	6619.5	6506.0	6354.0	6223.5	6193.5	6165.7
32.5°	6786.5	6660.2	6583.1	6463.2	6328.4	6195.6	6065.0	6005.1	5977.3	5981.5	5955.8
35°	6484.6	6373.3	6257.7	6077.9	5977.3	5844.5	5797.4	5784.6	5758.9	5731.1	5701.1
37.5°	6163.5	6032.9	5859.5	5752.5	5651.8	5598.3	5574.8	5555.5	5510.6	5461.3	5427.1
40°	5853.1	5617.6	5521.3	5416.4	5386.4	5362.8	5328.6	5281.5	5219.4	5210.8	5195.8
42.5°	5437.8	5268.6	5185.1	5163.7	5127.3	5086.7	5056.7	5005.3	4979.6	4996.7	5009.6
45°	5043.8	4958.2	4930.4	4904.7	4836.2	4778.4	4759.1	4742.0	4763.4	4857.6	4632.8
47.5°	4724.9	4690.6	4656.4	4613.5	4549.3	4506.5	4525.8	4542.9	4562.2	3870.7	3532.4
50°	4448.7	4401.6	4348.1	4301.0	4262.4	4258.2	4358.8	4056.9	3397.5	3380.4	3037.9
52.5°	4146.8	4076.2	4044.1	4016.2	4033.4	4097.6	3391.1	3147.1	3018.6	2622.5	2447.0
55°	3821.4	3759.3	3759.3	3785.0	3693.0	2992.9	2956.5	2556.2	2314.3	2245.8	2217.9
57.5°	3496.0	3489.6	3526.0	3224.1	2716.7	2605.4	2190.1	2102.3	2063.8	2055.2	2010.3
60°	3198.4	3258.4	2727.4	2509.1	2181.5	1967.4	1907.5	1896.8	1856.1	1841.1	1800.5
62.5°	2960.8	2455.6	2286.4	1866.8	1757.6	1729.8	1697.7	1682.7	1646.3	1453.6	426.0
65°	2138.7	2021.0	1639.9	1569.2	1560.7	1520.0	1507.2	1355.2	319.0	214.1	182.0
67.5°	1614.2	1432.2	1383.0	1370.1	1329.5	1248.1	370.4	211.9	182.0	158.4	139.2
70°	1239.6	1207.4	1171.0	1141.1	336.1	209.8	182.0	154.1	132.7	117.7	107.0
72.5°	1014.8	993.4	578.0	220.5	179.8	152.0	134.9	117.7	102.8	94.2	85.6
75°	794.3	220.5	182.0	152.0	130.6	111.3	98.5	87.8	79.2	72.8	66.4
77.5°	179.8	145.6	124.2	104.9	94.2	83.5	74.9	64.2	57.8	51.4	42.8
80°	111.3	96.3	81.4	74.9	64.2	53.5	47.1	42.8	34.3	32.1	27.8
82.5°	72.8	57.8	51.4	42.8	34.3	32.1	27.8	21.4	19.3	17.1	15.0
85°	32.1	27.8	23.5	19.3	15.0	12.8	10.7	8.6	8.6	8.6	8.6
87.5°	10.7	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7210.4	7248.9	7285.3	7274.6	7236.1	7176.1	7159.0	7135.5	7152.6	7189.0	7204.0
5°	7261.8	7240.4	7317.4	7430.9	7615.0	7632.1	7760.6	7790.6	7893.3	7957.5	7955.4
7.5°	7334.6	7638.6	7764.9	7901.9	7964.0	7949.0	7968.2	7953.3	7929.7	7919.0	7906.2
10°	7704.9	7936.1	7983.2	7983.2	7886.9	7756.3	7700.6	7604.3	7411.6	7415.9	7383.8
12.5°	7921.1	8002.5	7891.2	7797.0	7409.5	7259.6	7096.9	7019.9	6974.9	6906.4	6932.1
15°	7807.7	7692.1	7625.7	7321.7	7084.1	6814.3	6818.6	6771.5	6722.3	6726.6	6694.4
17.5°	7640.7	7548.6	7077.7	6867.9	6752.2	6647.3	6628.1	6566.0	6533.9	6523.2	6521.0
20°	7411.6	7079.8	6728.7	6677.3	6538.2	6418.3	6399.0	6418.3	6516.8	6341.2	5746.0
22.5°	7144.0	6666.6	6563.8	6418.3	6324.1	6277.0	6394.7	5859.5	5050.3	5148.7	5043.8
25°	6690.2	6482.5	6306.9	6195.6	6184.9	5895.9	4913.3	4810.5	4290.3	4012.0	3699.4
27.5°	6358.3	6268.4	6084.3	6065.0	5925.9	4821.2	4309.5	3744.3	3536.7	3504.6	3436.1
30°	6157.1	6028.6	5917.3	5431.3	4729.1	3881.4	3457.5	3378.3	3341.9	3303.3	3243.4
32.5°	5915.2	5793.1	5846.7	4566.4	3770.0	3341.9	3256.2	3198.4	3132.1	3106.4	2890.1
35°	5669.0	5613.3	4568.6	3838.5	3241.2	3138.5	3074.3	3014.3	2397.8	580.2	197.0
37.5°	5405.6	5392.8	4106.2	3185.6	3035.7	2939.4	2757.4	569.5	134.9	92.1	68.5
40°	5200.1	4108.3	3245.5	2986.5	2864.5	2712.5	381.1	94.2	59.9	36.4	23.5
42.5°	5063.1	3695.1	2905.1	2802.4	2536.9	280.5	96.3	40.7	23.5	19.3	15.0
45°	3902.8	2918.0	2714.6	2607.6	321.1	96.3	55.7	19.3	15.0	12.8	8.6
47.5°	3600.9	2650.4	2530.5	569.5	107.0	51.4	38.5	12.8	8.6	8.6	8.6
50°	2727.4	2449.1	2014.5	139.2	68.5	36.4	27.8	8.6	8.6	8.6	6.4
52.5°	2391.3	2260.7	216.2	92.1	53.5	27.8	17.1	6.4	6.4	6.4	6.4
55°	2185.8	1434.4	128.5	70.6	45.0	25.7	10.7	6.4	6.4	6.4	4.3
57.5°	1999.6	192.7	94.2	59.9	40.7	23.5	6.4	6.4	6.4	6.4	4.3
60°	1695.6	139.2	77.1	53.5	38.5	21.4	6.4	6.4	6.4	6.4	6.4
62.5°	220.5	109.2	66.4	47.1	27.8	17.1	4.3	6.4	6.4	6.4	6.4
65°	160.6	85.6	59.9	32.1	17.1	6.4	4.3	6.4	6.4	6.4	6.4
67.5°	124.2	70.6	45.0	27.8	15.0	4.3	4.3	6.4	6.4	6.4	6.4
70°	98.5	59.9	36.4	23.5	12.8	4.3	4.3	6.4	6.4	6.4	6.4
72.5°	77.1	42.8	25.7	12.8	8.6	4.3	4.3	6.4	6.4	6.4	6.4
75°	57.8	34.3	19.3	10.7	4.3	4.3	4.3	6.4	6.4	6.4	6.4
77.5°	38.5	21.4	15.0	8.6	8.6	8.6	10.7	10.7	6.4	6.4	6.4
80°	25.7	15.0	10.7	10.7	10.7	8.6	10.7	10.7	6.4	10.7	6.4
82.5°	12.8	10.7	10.7	8.6	8.6	6.4	8.6	8.6	8.6	8.6	6.4
85°	8.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6	6.4
87.5°	4.3	4.3	4.3	4.3	6.4	6.4	6.4	6.4	8.6	8.6	6.4
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7184.7	7191.1	7174.0	7266.0	7219.0	7223.2	7242.5	7193.3	7204.0	7169.7	7146.2
5°	7964.0	7976.8	7989.7	7993.9	8002.5	8013.2	8000.4	7993.9	7981.1	7938.3	7893.3
7.5°	7841.9	7827.0	7820.5	7829.1	7844.1	7850.5	7839.8	7854.8	7910.4	7934.0	7949.0
10°	7199.7	7131.2	7178.3	7171.9	7118.3	7298.2	7248.9	7276.8	7296.0	7493.0	7612.9
12.5°	6893.5	6936.4	6855.0	6814.3	6867.9	6904.2	6940.6	6863.6	6970.6	6921.4	7079.8
15°	6636.6	6610.9	6602.4	6604.5	6593.8	6645.2	6658.0	6675.2	6690.2	6756.5	6782.2
17.5°	6521.0	6563.8	6581.0	6593.8	6572.4	6548.9	6525.3	6491.1	6501.8	6484.6	6533.9
20°	5345.7	5202.3	5193.7	5277.2	5185.1	5236.5	5360.7	6191.3	6163.5	6486.8	6377.6
22.5°	4461.5	4326.7	4211.1	4110.4	4253.9	4313.8	4545.0	4806.2	5230.1	5163.7	5624.0
25°	3643.7	3594.5	3564.5	3549.5	3560.2	3556.0	3607.3	3729.4	3922.0	4375.9	4962.5
27.5°	3408.2	3384.7	3374.0	3339.7	3365.4	3356.9	3397.5	3423.2	3481.0	3526.0	3716.5
30°	3222.0	3194.2	3174.9	3138.5	3164.2	3166.3	3179.2	3245.5	3269.1	3307.6	3367.6
32.5°	1177.5	693.6	650.8	618.7	676.5	882.0	1547.8	2706.0	3087.1	3117.1	3185.6
35°	115.6	96.3	85.6	85.6	87.8	96.3	128.5	338.3	618.7	2391.3	2992.9
37.5°	45.0	38.5	32.1	30.0	32.1	36.4	49.2	64.2	87.8	182.0	811.4
40°	19.3	17.1	15.0	15.0	15.0	15.0	17.1	21.4	32.1	59.9	94.2
42.5°	12.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7	15.0	19.3	38.5
45°	8.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	10.7	17.1
47.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6
50°	6.4	6.4	6.4	6.4	4.3	6.4	4.3	6.4	6.4	6.4	6.4
52.5°	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4
55°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4
57.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
60°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
62.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	4.3
65°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	4.3
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	6.4	6.4	4.3	6.4	4.3	4.3	6.4	6.4	6.4	4.3	4.3
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	12.8	12.8	8.6
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	10.7	12.8	10.7
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	10.7	10.7	10.7
80°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6	8.6
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6	8.6
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7105.5	7103.3	7148.3	7182.6	7169.7	7182.6	7197.5	7199.7	7204.0	7186.8	7180.4
5°	7807.7	7741.3	7612.9	7520.8	7413.8	7219.0	7122.6	7133.3	7135.5	7129.0	7137.6
7.5°	7942.6	7936.1	7891.2	7871.9	7799.1	7660.0	7437.3	7398.8	7304.6	7244.6	7195.4
10°	7604.3	7758.4	7799.1	7867.6	7910.4	7884.8	7696.4	7668.5	7608.6	7540.1	7555.1
12.5°	7238.2	7364.5	7371.0	7743.5	7827.0	7835.5	7762.7	7801.3	7809.8	7655.7	7565.8
15°	6788.6	6848.6	6974.9	7321.7	7574.3	7732.8	7779.9	7801.3	7696.4	7689.9	7653.5
17.5°	6591.7	6630.2	6688.0	6882.8	7266.0	7499.4	7698.5	7683.5	7724.2	7694.2	7602.2
20°	6343.3	6375.5	6478.2	6576.7	6765.1	7075.5	7448.0	7475.9	7529.4	7523.0	7548.6
22.5°	6339.1	6225.6	6242.7	6319.8	6516.8	6795.1	7191.1	7283.2	7317.4	7341.0	7368.8
25°	5028.9	5930.2	6095.0	6144.2	6272.7	6435.4	6902.1	6936.4	7000.6	7105.5	7182.6
27.5°	4356.6	4968.9	5628.3	5970.8	6052.2	6187.1	6465.4	6516.8	6735.1	6760.8	6880.7
30°	3438.2	3911.3	4896.1	5720.4	5855.2	5949.4	6146.4	6249.1	6343.3	6446.1	6572.4
32.5°	3234.8	3309.8	3855.7	4733.4	5782.4	5711.8	5857.4	5919.5	6022.2	6112.1	6204.2
35°	3048.6	3100.0	3215.6	3877.1	4709.9	5517.0	5615.5	5656.1	5713.9	5782.4	5848.8
37.5°	2853.8	2930.8	3010.0	3187.7	4356.6	5362.8	5360.7	5407.8	5442.0	5499.8	5555.5
40°	518.1	2691.0	2819.5	2935.1	3378.3	4277.4	5120.9	5142.3	5165.9	5202.3	5260.1
42.5°	83.5	449.6	2641.8	2753.1	2879.4	3830.0	5011.7	4924.0	4909.0	4934.7	4986.0
45°	42.8	109.2	530.9	2571.2	2684.6	3055.0	4097.6	4772.0	4757.0	4707.7	4718.4
47.5°	32.1	68.5	130.6	888.5	2513.4	2622.5	3780.7	3740.1	4024.8	4570.7	4487.2
50°	27.8	47.1	77.1	182.0	2220.1	2414.9	2911.6	3401.8	3551.7	3570.9	4226.0
52.5°	25.7	32.1	55.7	117.7	466.7	2232.9	2367.8	2539.0	2791.7	3333.3	3320.5
55°	23.5	30.0	47.1	79.2	162.7	2012.4	2151.6	2183.7	2237.2	2496.2	2838.8
57.5°	12.8	27.8	45.0	68.5	122.0	368.2	1952.5	1978.1	2021.0	2031.7	2153.7
60°	6.4	25.7	40.7	59.9	89.9	171.3	1755.5	1785.5	1811.2	1815.4	1854.0
62.5°	4.3	23.5	34.3	55.7	74.9	122.0	415.3	847.8	1612.1	1612.1	1657.0
65°	4.3	17.1	21.4	36.4	68.5	100.6	175.5	203.4	396.1	974.1	1453.6
67.5°	4.3	6.4	19.3	30.0	51.4	77.1	128.5	149.9	179.8	205.5	381.1
70°	4.3	4.3	17.1	19.3	32.1	57.8	92.1	104.9	122.0	139.2	160.6
72.5°	4.3	4.3	15.0	15.0	21.4	38.5	70.6	77.1	87.8	98.5	113.5
75°	10.7	8.6	12.8	12.8	15.0	30.0	53.5	59.9	64.2	72.8	83.5
77.5°	10.7	10.7	10.7	10.7	10.7	19.3	34.3	38.5	45.0	49.2	57.8
80°	8.6	8.6	8.6	10.7	10.7	12.8	21.4	23.5	25.7	32.1	34.3
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	12.8	15.0	19.3
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6	8.6	8.6
87.5°	6.4	6.4	6.4	4.3	4.3	6.4	6.4	6.4	6.4	6.4	6.4
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7178.3	7165.4	7154.7	7161.1	7141.9	7133.3	7139.7	7141.9	7146.2	7156.9	7159.0
5°	7159.0	7154.7	7174.0	7184.7	7180.4	7184.7	7184.7	7176.1	7163.3	7171.9	7152.6
7.5°	7146.2	7118.3	7096.9	7101.2	7079.8	7105.5	7129.0	7163.3	7174.0	7174.0	7152.6
10°	7366.7	7336.7	7216.8	7135.5	7081.9	7034.8	7146.2	7032.7	7086.2	6882.8	7116.2
12.5°	7548.6	7589.3	7535.8	7313.1	7274.6	7133.3	7214.7	7075.5	7034.8	6801.5	6876.4
15°	7621.4	7544.4	7527.2	7465.1	7381.7	7341.0	7122.6	7099.1	7032.7	7058.4	6959.9
17.5°	7557.2	7595.7	7544.4	7503.7	7418.0	7321.7	7191.1	7075.5	6983.5	6777.9	6951.3
20°	7495.1	7546.5	7392.4	7418.0	7426.6	7315.3	7246.8	7150.4	7034.8	6842.2	6692.3
22.5°	7392.4	7356.0	7368.8	7330.3	7298.2	7313.1	7219.0	7152.6	6957.8	6870.0	6666.6
25°	7225.4	7212.5	7246.8	7242.5	7165.4	7139.7	7092.6	7022.0	6944.9	6803.6	6636.6
27.5°	6953.5	7019.9	7079.8	7107.6	7066.9	6998.4	6972.8	6932.1	6878.6	6735.1	6610.9
30°	6666.6	6741.5	6810.0	6870.0	6906.4	6876.4	6852.9	6829.3	6748.0	6653.8	6514.6
32.5°	6339.1	6437.5	6531.7	6604.5	6683.7	6707.3	6690.2	6670.9	6602.4	6516.8	6405.4
35°	5960.1	6095.0	6232.0	6362.6	6396.9	6452.5	6508.2	6476.1	6439.7	6354.0	6251.3
37.5°	5639.0	5735.3	5833.8	5998.7	6118.6	6189.2	6287.7	6300.5	6238.4	6197.8	6062.9
40°	5307.2	5394.9	5538.4	5634.7	5799.6	5880.9	5985.8	6032.9	6017.9	5994.4	5876.6
42.5°	5046.0	5088.8	5183.0	5268.6	5431.3	5598.3	5690.4	5741.8	5795.3	5776.0	5716.1
45°	4767.7	4806.2	4838.3	4913.3	5071.7	5219.4	5332.9	5409.9	5506.3	5551.2	5478.4
47.5°	4491.5	4502.2	4540.7	4602.8	4697.0	4810.5	5001.0	5116.6	5206.6	5294.3	5247.2
50°	4279.6	4241.0	4247.4	4286.0	4363.1	4474.4	4611.4	4774.1	4876.9	4983.9	4994.6
52.5°	3740.1	4052.6	3977.7	3999.1	4039.8	4093.3	4236.7	4397.3	4523.6	4615.7	4707.7
55°	3138.5	3200.6	3802.2	3716.5	3742.2	3789.3	3855.7	4016.2	4138.3	4266.7	4395.2
57.5°	2434.1	2896.6	2920.1	3476.7	3463.9	3468.2	3523.8	3615.9	3737.9	3898.5	4007.7
60°	1892.5	2087.3	2466.3	2658.9	3147.1	3164.2	3196.3	3249.8	3354.7	3506.7	3680.1
62.5°	1669.9	1695.6	1830.4	2119.4	2436.3	2819.5	2888.0	2896.6	2943.7	3095.7	3296.9
65°	1466.5	1483.6	1524.3	1554.3	1819.7	2190.1	2519.8	2573.3	2603.3	2693.2	2864.5
67.5°	1010.5	1278.1	1314.5	1335.9	1361.6	1532.8	1941.8	2213.6	2247.9	2327.1	2477.0
70°	194.8	404.6	1106.8	1130.4	1143.2	1181.7	1248.1	1680.6	1907.5	1982.4	2050.9
72.5°	132.7	156.3	188.4	445.3	942.0	963.4	978.4	1034.0	1417.2	1635.6	1672.0
75°	96.3	107.0	126.3	156.3	192.7	627.3	777.1	805.0	832.8	1149.6	1333.8
77.5°	68.5	77.1	85.6	100.6	117.7	152.0	218.4	601.6	629.4	644.4	909.9
80°	38.5	47.1	57.8	66.4	74.9	85.6	111.3	139.2	310.4	453.9	477.4
82.5°	21.4	25.7	30.0	36.4	40.7	51.4	62.1	74.9	98.5	145.6	308.3
85°	10.7	10.7	10.7	15.0	17.1	23.5	27.8	32.1	45.0	62.1	85.6
87.5°	6.4	6.4	8.6	8.6	8.6	10.7	10.7	10.7	12.8	19.3	27.8
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-LD5-130HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	7133.3	7133.3	7133.3	7133.3	7133.3
2.5°	7161.1	7154.7	7154.7	7180.4	7174.0
5°	7148.3	7141.9	7139.7	7167.6	7154.7
7.5°	7137.6	7114.0	7107.6	7133.3	7122.6
10°	7094.8	7077.7	7088.4	7079.8	7075.5
12.5°	7022.0	7011.3	6966.3	6970.6	7007.0
15°	6891.4	6934.2	6857.1	6925.7	6940.6
17.5°	6651.6	6748.0	6822.9	6863.6	6870.0
20°	6758.7	6790.8	6752.2	6754.4	6780.1
22.5°	6619.5	6634.5	6645.2	6632.4	6688.0
25°	6396.9	6339.1	6463.2	6488.9	6578.8
27.5°	6328.4	6281.3	6339.1	6334.8	6409.7
30°	6272.7	6120.7	6146.4	6187.1	6279.1
32.5°	6193.5	5953.7	5928.0	6017.9	6120.7
35°	6054.3	5827.4	5767.5	5825.3	5979.4
37.5°	5936.6	5651.8	5532.0	5609.0	5810.3
40°	5761.0	5514.8	5328.6	5397.1	5634.7
42.5°	5551.2	5397.1	5110.2	5157.3	5429.2
45°	5339.3	5202.3	4898.3	4921.8	5245.1
47.5°	5123.1	4996.7	4677.8	4682.0	5009.6
50°	4911.1	4744.1	4480.8	4405.9	4759.1
52.5°	4634.9	4480.8	4281.7	4159.7	4521.5
55°	4373.8	4200.4	4054.8	3866.4	4251.7
57.5°	4119.0	3926.3	3827.8	3585.9	3945.6
60°	3770.0	3678.0	3532.4	3301.2	3669.4
62.5°	3412.5	3382.5	3234.8	2995.1	3329.0
65°	2995.1	3065.7	2913.7	2708.2	2975.8
67.5°	2601.1	2727.4	2560.5	2434.1	2635.4
70°	2181.5	2327.1	2232.9	2187.9	2273.6
72.5°	1768.3	1909.6	1918.2	1886.1	1913.9
75°	1365.9	1522.1	1607.8	1558.5	1565.0
77.5°	1036.2	1111.1	1205.3	1243.8	1235.3
80°	640.1	770.7	847.8	927.0	899.2
82.5°	323.3	432.5	526.6	612.3	571.6
85°	134.9	173.4	241.9	319.0	306.1
87.5°	40.7	68.5	72.8	102.8	96.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)