

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-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-LD5-120SL-RM-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

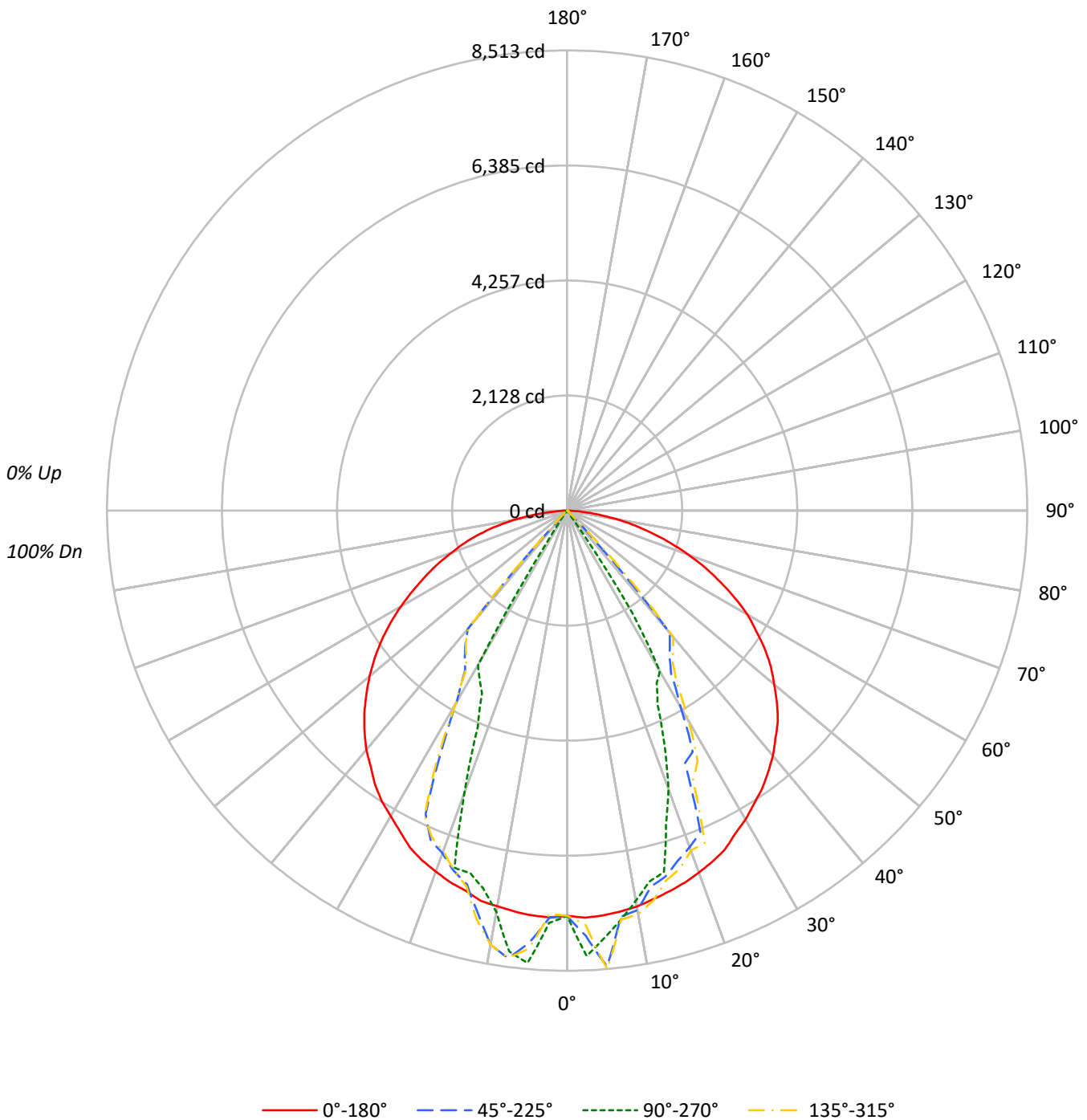
Lumens per Lamp: N/A
Luminaire Lumens: 10658.9 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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-L950-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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90				
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81				
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72				
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65				
5	85	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59				
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	55	54				
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49				
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42				
10	63	52	45	41	62	52	45	41	51	45	41	50	44	41	49	44	40	39				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30288	30288	30288	30288
5°	30454	31152	30445	32989
10°	30423	28188	30404	29002
15°	30383	26311	30308	26379
20°	30463	20724	30376	20979
25°	30599	14997	30450	14152
30°	30511	13156	30188	12647
35°	30659	290	30208	352
40°	30828	63	30090	63
45°	31011	37	29847	28
50°	30862	29	29446	29
55°	30787	21	28897	21
60°	30340	22	27968	22
65°	28929	35	26868	24
70°	27063	39	25764	39
75°	24260	44	24658	44
80°	20197	50	21351	50
85°	12654	59	12921	59



TEST NUMBER: P#

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	752.1	7.1
10°-20°	2051.4	19.2
20°-30°	2610.4	24.5
30°-40°	2205.1	20.7
40°-50°	1441.6	13.5
50°-60°	908.3	8.5
60°-70°	483.5	4.5
70°-80°	176.3	1.7
80°-90°	30.3	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°	5413.8	50.8
0°-40°	7618.9	71.5
0°-60°	9968.8	93.5
0°-90°	10658.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10658.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7496	7496	7496	7496	7496	
5°	7519	7933	7516	8401	7519	715
15°	7294	6922	7276	6940	7294	2062
25°	6914	3953	6880	3730	6914	3179
35°	6284	74	6191	90	6284	3931
45°	5512	9	5305	7	5512	4239
55°	4468	4	4194	4	4468	3981
65°	3127	7	2904	4	3127	3097
75°	1645	7	1672	7	1645	1746
85°	322	7	328	7	322	407
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7539.0	7543.5	7545.7	7550.2	7556.9	7559.2	7563.7	7559.2	7559.2	7559.2	7559.2
5°	7518.7	7527.7	7534.5	7543.5	7559.2	7561.4	7579.4	7581.7	7590.7	7608.7	7622.2
7.5°	7485.0	7494.0	7507.5	7530.0	7552.5	7577.2	7608.7	7642.4	7689.7	7734.7	7790.9
10°	7435.5	7446.7	7462.5	7482.7	7592.9	7608.7	7678.4	7775.2	7802.2	7943.9	8049.6
12.5°	7363.5	7401.7	7442.2	7460.2	7565.9	7732.4	7966.4	7919.2	7867.4	8330.9	8324.1
15°	7293.7	7345.5	7325.2	7471.5	7568.2	7858.4	7759.4	7970.9	8357.9	8263.4	8267.9
17.5°	7219.5	7230.7	7343.2	7464.7	7637.9	7786.4	7907.9	8198.1	8274.6	8281.4	8198.1
20°	7125.0	7179.0	7343.2	7453.5	7745.9	7815.7	8078.9	8227.4	8195.9	8119.4	7977.7
22.5°	7028.3	7192.5	7359.0	7514.2	7718.9	7905.7	8036.1	8105.9	7941.7	7640.2	7478.2
25°	6913.5	7010.3	7228.5	7455.7	7712.2	7820.2	7896.7	7784.2	7570.4	7300.5	7028.3
27.5°	6735.8	6891.0	7170.0	7426.5	7658.2	7788.7	7664.9	7395.0	7050.8	6873.0	6749.3
30°	6598.6	6801.0	7030.5	7278.0	7518.7	7595.2	7280.2	6972.0	6735.8	6558.1	6531.1
32.5°	6432.1	6720.0	6938.3	7174.5	7377.0	7275.7	6969.8	6571.6	6375.8	6308.3	6335.3
35°	6283.6	6501.8	6787.5	7019.3	7165.5	6938.3	6454.6	6207.1	6112.6	6150.8	6101.4
37.5°	6105.9	6393.8	6657.0	6857.3	6807.8	6465.8	6056.4	5898.9	5910.1	5878.6	5784.1
40°	5921.4	6195.8	6470.3	6659.3	6486.1	5964.1	5691.9	5658.2	5664.9	5563.7	5428.7
42.5°	5705.4	5955.1	6229.6	6400.6	6027.1	5619.9	5435.4	5439.9	5381.4	5239.7	5167.7
45°	5511.9	5741.4	6027.1	6042.9	5583.9	5244.2	5190.2	5131.7	5001.2	4954.0	4900.0
47.5°	5264.4	5518.7	5754.9	5669.4	5149.7	4938.2	4897.7	4769.5	4704.3	4668.3	4623.3
50°	5001.2	5257.7	5473.7	5230.7	4740.2	4690.8	4558.0	4456.8	4411.8	4373.5	4333.0
52.5°	4751.5	4963.0	5183.5	4765.0	4425.3	4378.0	4227.3	4168.8	4123.8	4081.1	4072.1
55°	4468.0	4654.8	4805.5	4321.8	4123.8	4013.6	3905.6	3865.1	3822.3	3802.1	3835.8
57.5°	4146.3	4357.8	4335.3	3885.3	3797.6	3637.9	3597.4	3570.4	3538.9	3552.4	3271.2
60°	3856.1	4018.1	3907.8	3565.9	3417.4	3309.4	3273.4	3255.4	3273.4	2998.9	2636.7
62.5°	3498.4	3680.6	3457.9	3192.4	3034.9	2983.2	2951.7	2976.4	2713.2	2411.7	2324.0
65°	3127.2	3325.1	2996.7	2792.0	2693.0	2648.0	2645.7	2436.5	2177.8	2060.8	2060.8
67.5°	2769.5	2974.2	2551.2	2380.2	2342.0	2346.5	2216.0	1898.8	1826.8	1748.1	1520.8
70°	2389.2	2569.2	2108.0	2004.5	1982.0	1966.3	1649.1	1563.6	1478.1	1268.9	1250.9
72.5°	2011.3	2099.0	1694.1	1669.3	1664.8	1383.6	1320.6	1174.4	1075.4	1050.6	1039.4
75°	1644.6	1617.6	1338.6	1361.1	1147.4	1048.4	947.1	861.7	848.2	839.2	209.2
77.5°	1298.1	1163.1	1055.1	917.9	821.2	697.4	677.2	663.7	436.5	157.5	128.2
80°	944.9	753.7	701.9	596.2	508.4	488.2	499.4	153.0	121.5	101.2	87.7
82.5°	600.7	481.4	393.7	344.2	335.2	146.2	108.0	87.7	76.5	65.2	54.0
85°	321.7	213.7	198.0	166.5	99.0	67.5	56.2	42.7	36.0	29.2	27.0
87.5°	101.2	85.5	69.7	56.2	33.7	22.5	18.0	15.7	13.5	11.2	11.2
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7554.7	7559.2	7556.9	7563.7	7563.7	7572.7	7579.4	7586.2	7599.7	7606.4	7658.2
5°	7651.4	7662.7	7696.4	7727.9	7766.2	7777.4	7842.7	7858.4	7934.9	7943.9	8195.9
7.5°	7867.4	7910.2	7991.2	8072.1	8153.1	8204.9	8294.9	8351.1	8411.9	8465.9	8666.1
10°	8128.4	8200.4	8279.1	8360.1	8407.4	8506.3	8560.3	8569.3	8553.6	8465.9	8141.9
12.5°	8384.9	8456.9	8423.1	8438.9	8495.1	8319.6	8344.4	8218.4	8306.1	7871.9	7550.2
15°	8348.9	8344.4	8261.1	7991.2	8036.1	7700.9	7565.9	7462.5	7545.7	7500.7	7451.2
17.5°	8240.9	8036.1	7892.2	7568.2	7431.0	7336.5	7338.7	7341.0	7300.5	7343.2	7217.2
20°	7784.2	7554.7	7341.0	7226.2	7185.7	7118.2	7152.0	7118.2	7120.5	7134.0	6940.5
22.5°	7176.7	7107.0	6983.3	7019.3	7005.8	7066.5	7021.5	6951.8	6974.3	6873.0	6726.8
25°	6931.5	6850.5	6846.0	6859.5	6839.3	6812.3	6771.8	6666.0	6659.3	6627.8	6560.3
27.5°	6684.0	6688.5	6702.0	6661.5	6589.6	6535.6	6474.8	6423.1	6443.3	6407.3	6315.1
30°	6513.1	6510.8	6429.8	6393.8	6261.1	6263.3	6247.6	6216.1	6195.8	6198.1	6139.6
32.5°	6270.1	6200.3	6108.1	6063.1	6051.9	6011.4	5979.9	5986.6	6002.4	5946.1	6006.9
35°	6020.4	5876.4	5862.9	5824.6	5788.6	5761.6	5772.9	5727.9	5725.6	5718.9	5223.9
37.5°	5685.1	5615.4	5608.7	5568.2	5543.4	5536.7	5493.9	5500.7	5520.9	5556.9	4454.5
40°	5408.4	5345.4	5329.7	5327.4	5273.4	5268.9	5280.2	5322.9	5352.2	5127.2	4245.3
42.5°	5111.5	5116.0	5066.5	5035.0	5041.7	5062.0	5116.0	4967.5	4303.8	4101.3	3880.8
45°	4857.2	4834.7	4807.7	4798.7	4857.2	4816.7	4222.8	3896.6	3817.8	3808.8	3190.2
47.5°	4591.8	4585.0	4573.8	4580.5	4247.6	3786.3	3651.4	3608.6	3622.1	3613.1	2740.2
50°	4324.0	4333.0	4333.0	3784.1	3473.6	3397.1	3408.4	3446.6	3208.2	2994.4	2553.5
52.5°	4092.3	4022.6	3446.6	3248.7	3178.9	3212.7	3131.7	2832.5	2616.5	2490.5	2362.2
55°	3662.6	3149.7	3021.4	2989.9	3014.7	2715.5	2531.0	2337.5	2281.3	2267.8	2193.5
57.5°	2881.9	2778.5	2789.7	2663.7	2378.0	2209.3	2135.0	2108.0	2083.3	2065.3	180.0
60°	2549.0	2578.2	2360.0	2090.0	1975.3	1952.8	1934.8	1910.0	1905.5	1874.1	114.7
62.5°	2333.0	2051.8	1862.8	1795.3	1768.3	1761.6	1727.8	1716.6	1457.8	200.2	85.5
65°	1759.3	1644.6	1608.6	1592.8	1563.6	1563.6	1298.1	204.7	166.5	144.0	76.5
67.5°	1435.3	1426.3	1408.4	1388.1	944.9	198.0	173.2	150.7	130.5	114.7	67.5
70°	1214.9	1210.4	1102.4	202.5	168.7	148.5	130.5	117.0	108.0	96.7	60.7
72.5°	996.6	202.5	171.0	148.5	128.2	117.0	105.7	94.5	85.5	78.7	49.5
75°	155.2	137.2	121.5	110.2	101.2	90.0	81.0	74.2	72.0	63.0	33.7
77.5°	112.5	96.7	87.7	78.7	69.7	63.0	54.0	47.2	42.7	36.0	24.7
80°	78.7	69.7	63.0	51.7	45.0	38.2	33.7	29.2	27.0	22.5	11.2
82.5°	45.0	38.2	33.7	27.0	24.7	20.2	18.0	15.7	15.7	11.2	11.2
85°	20.2	20.2	15.7	13.5	11.2	11.2	11.2	9.0	9.0	6.7	6.7
87.5°	9.0	9.0	9.0	9.0	9.0	6.7	6.7	6.7	6.7	6.7	4.5
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#

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CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7730.2	7759.4	7815.7	7874.2	7808.9	8042.9	8024.9	8103.6	8146.4	8166.6	8213.9
5°	8418.6	8549.1	8591.8	8463.6	8389.4	8312.9	8139.6	8009.2	8024.9	7982.2	7826.9
7.5°	8405.1	8126.1	7750.4	7579.4	7565.9	7545.7	7599.7	7631.2	7635.7	7633.4	7628.9
10°	7694.2	7550.2	7525.5	7503.0	7512.0	7428.7	7390.5	7282.5	7341.0	7309.5	7320.7
12.5°	7478.2	7444.5	7311.7	7127.2	7237.5	7154.2	7107.0	7138.5	7102.5	7068.8	7057.5
15°	7350.0	7131.7	7057.5	7012.5	6981.0	6963.0	6978.8	6942.8	6931.5	6924.8	6940.5
17.5°	7084.5	6996.8	6915.8	6796.5	6798.8	6792.0	6837.0	6904.5	6909.0	6562.6	6249.8
20°	6875.3	6803.3	6699.8	6625.5	6726.8	6546.8	5851.6	5520.9	5469.2	5469.2	5478.2
22.5°	6708.8	6549.1	6555.8	6438.8	5491.7	5298.2	5302.7	5322.9	5230.7	4915.7	4882.0
25°	6481.6	6456.8	5964.1	5154.2	5161.0	5010.2	4778.5	4452.3	4099.1	4099.1	4040.6
27.5°	6310.6	5786.4	5066.5	5032.7	4526.5	4207.1	4009.1	3709.9	3669.4	3631.1	3635.6
30°	6164.3	4895.5	4913.5	4207.1	3833.6	3568.1	3552.4	3502.9	3478.1	3471.4	3446.6
32.5°	4873.0	4767.2	4112.6	3581.6	3435.4	3392.6	3372.4	3316.1	3313.9	3271.2	2974.2
35°	4569.3	4184.6	3442.1	3298.2	3255.4	3214.9	3181.2	2135.0	252.0	101.2	87.7
37.5°	4222.8	3496.1	3183.4	3118.2	3077.7	2274.5	227.2	78.7	56.2	40.5	36.0
40°	3579.4	3122.7	3023.7	2951.7	1217.1	78.7	49.5	38.2	22.5	20.2	18.0
42.5°	3019.2	2942.7	2836.9	863.9	90.0	38.2	24.7	18.0	15.7	15.7	13.5
45°	2825.7	2758.2	1142.9	85.5	56.2	18.0	15.7	15.7	13.5	9.0	9.0
47.5°	2645.7	2328.5	103.5	54.0	36.0	15.7	13.5	9.0	9.0	9.0	6.7
50°	2454.5	128.2	72.0	40.5	22.5	9.0	9.0	9.0	9.0	6.7	6.7
52.5°	459.0	90.0	58.5	36.0	11.2	9.0	9.0	9.0	6.7	6.7	6.7
55°	108.0	72.0	54.0	31.5	9.0	9.0	9.0	6.7	6.7	6.7	4.5
57.5°	81.0	54.0	42.7	29.2	9.0	6.7	6.7	6.7	6.7	6.7	4.5
60°	67.5	38.2	33.7	27.0	6.7	6.7	6.7	6.7	6.7	6.7	4.5
62.5°	47.2	31.5	24.7	20.2	6.7	6.7	6.7	6.7	6.7	6.7	6.7
65°	38.2	24.7	20.2	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
67.5°	33.7	20.2	13.5	4.5	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	27.0	6.7	6.7	4.5	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	22.5	6.7	4.5	4.5	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	22.5	11.2	4.5	4.5	6.7	6.7	9.0	9.0	6.7	6.7	6.7
77.5°	15.7	11.2	4.5	4.5	6.7	6.7	9.0	9.0	6.7	6.7	6.7
80°	9.0	11.2	4.5	6.7	6.7	13.5	15.7	9.0	6.7	6.7	6.7
82.5°	9.0	11.2	13.5	13.5	6.7	11.2	13.5	11.2	9.0	6.7	6.7
85°	9.0	6.7	9.0	11.2	6.7	11.2	11.2	9.0	9.0	6.7	6.7
87.5°	4.5	6.7	6.7	9.0	9.0	9.0	11.2	9.0	9.0	9.0	6.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	8236.4	8245.4	8103.6	8054.1	8096.9	8087.9	8049.6	7907.9	7892.2	7797.7	7660.4
5°	7871.9	7932.7	7858.4	7986.7	7925.9	7986.7	8171.1	8256.6	8396.1	8481.6	8513.1
7.5°	7617.7	7631.2	7631.2	7642.4	7653.7	7655.9	7642.4	7633.4	7595.2	7548.0	7633.4
10°	7309.5	7325.2	7352.2	7347.7	7345.5	7392.7	7404.0	7500.7	7496.2	7514.2	7579.4
12.5°	7149.7	7028.3	7138.5	7109.2	7149.7	7086.7	7203.7	7183.5	7190.2	7244.2	7383.7
15°	6884.3	6922.5	6949.5	6949.5	6965.3	6951.8	6938.3	7030.5	7086.7	7089.0	7080.0
17.5°	6373.6	6083.4	6380.3	6303.8	6913.5	6929.3	6877.5	6834.8	6834.8	6868.5	6940.5
20°	5471.4	5478.2	5480.4	5509.7	5545.7	5543.4	5545.7	6432.1	6852.8	6756.0	6690.8
22.5°	4796.5	4713.3	4868.5	4857.2	5050.7	5264.4	5469.2	5448.9	5462.4	6087.9	6650.3
25°	3844.8	3952.8	3865.1	3903.3	4121.6	4375.8	4533.3	4945.0	5392.7	5361.2	5507.4
27.5°	3619.9	3590.6	3631.1	3631.1	3660.4	3694.1	3781.8	4013.6	4411.8	4830.2	5226.2
30°	3406.1	3430.9	3435.4	3475.9	3498.4	3520.9	3534.4	3622.1	3712.1	4002.3	4490.5
32.5°	2558.0	2243.0	2951.7	3142.9	3304.9	3343.1	3370.1	3406.1	3471.4	3514.1	3759.4
35°	74.2	74.2	78.7	90.0	114.7	773.9	2947.2	3248.7	3291.4	3345.4	3390.4
37.5°	36.0	27.0	31.5	33.7	40.5	56.2	81.0	252.0	2805.5	3172.2	3221.7
40°	15.7	15.7	15.7	15.7	18.0	22.5	33.7	56.2	85.5	2256.5	3043.9
42.5°	13.5	13.5	13.5	13.5	13.5	13.5	15.7	20.2	40.5	96.7	1597.3
45°	9.0	9.0	6.7	9.0	9.0	11.2	13.5	13.5	18.0	60.7	110.2
47.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	11.2	13.5	40.5	58.5
50°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	31.5	40.5
52.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	13.5	36.0
55°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.7	6.7	9.0	31.5
57.5°	4.5	4.5	4.5	4.5	4.5	6.7	4.5	4.5	6.7	6.7	29.2
60°	4.5	4.5	4.5	4.5	4.5	6.7	6.7	6.7	6.7	6.7	27.0
62.5°	6.7	6.7	4.5	6.7	4.5	4.5	6.7	6.7	6.7	6.7	18.0
65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	4.5	6.7
67.5°	6.7	6.7	6.7	6.7	4.5	6.7	4.5	6.7	6.7	4.5	4.5
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	4.5	4.5	4.5	4.5
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	4.5	4.5	4.5	4.5
75°	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0	4.5	4.5	4.5
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	11.2	13.5	11.2	11.2	4.5
80°	6.7	6.7	6.7	6.7	6.7	6.7	11.2	11.2	11.2	11.2	15.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0	9.0	9.0	11.2
85°	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0	9.0	6.7	9.0
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0	6.7	6.7	6.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7671.7	7595.2	7570.4	7518.7	7514.2	7518.7	7507.5	7491.7	7500.7	7485.0	7471.5
5°	8531.1	8326.4	8193.6	8015.9	7770.7	7716.7	7703.2	7626.7	7599.7	7590.7	7554.7
7.5°	7835.9	8209.4	8434.4	8510.8	8222.9	8155.4	8076.6	8013.7	7952.9	7838.2	7768.4
10°	7527.7	7545.7	7761.7	8013.7	8423.1	8479.4	8522.1	8384.9	8346.6	8054.1	7991.2
12.5°	7455.7	7458.0	7482.7	7635.7	7957.4	7993.4	8144.1	8225.1	8324.1	8380.4	8335.4
15°	7127.2	7309.5	7444.5	7458.0	7487.2	7550.2	7595.2	7876.4	7995.7	8315.1	8297.1
17.5°	6974.3	7032.8	7228.5	7388.2	7361.2	7338.7	7374.7	7413.0	7527.7	7847.2	7842.7
20°	6720.0	6906.8	7012.5	7179.0	7329.7	7336.5	7296.0	7273.5	7228.5	7280.2	7327.5
22.5°	6612.0	6641.3	6839.3	6956.3	7127.2	7188.0	7197.0	7199.2	7174.5	7147.5	7134.0
25°	6600.8	6508.6	6609.8	6756.0	6882.0	6947.3	7021.5	7046.3	7037.3	7037.3	7023.8
27.5°	5401.7	6479.3	6425.3	6522.1	6675.0	6720.0	6758.3	6834.8	6882.0	6915.8	6931.5
30°	5145.2	5338.7	6281.3	6294.8	6450.1	6445.6	6488.3	6551.3	6612.0	6690.8	6711.0
32.5°	4551.3	5026.0	5750.4	6067.6	6229.6	6245.3	6267.8	6285.8	6342.1	6429.8	6506.3
35°	3646.9	4578.3	4927.0	5959.6	5988.9	6020.4	6033.9	6076.6	6094.6	6130.6	6198.1
37.5°	3300.4	3784.1	4726.7	5154.2	5712.1	5739.1	5811.1	5829.1	5858.4	5887.6	5939.4
40°	3100.2	3232.9	3934.8	4603.0	5489.4	5507.4	5532.2	5577.2	5579.4	5613.2	5660.4
42.5°	2940.4	3025.9	3230.7	4396.0	5331.9	5329.7	5271.2	5300.4	5313.9	5349.9	5415.2
45°	2348.8	2839.2	2969.7	3590.6	4245.3	4551.3	5138.5	5041.7	5039.5	5053.0	5122.7
47.5°	119.2	2670.5	2762.7	2962.9	4009.1	4020.3	4096.8	4740.2	4839.2	4807.7	4814.5
50°	81.0	184.5	2573.7	2666.0	3455.6	3734.6	3790.8	3820.1	4191.3	4605.3	4537.8
52.5°	63.0	105.7	1577.1	2474.7	2807.7	3012.4	3374.6	3581.6	3604.1	3770.6	4335.3
55°	56.2	81.0	171.0	2283.5	2387.0	2432.0	2643.5	3005.7	3298.2	3385.9	3392.6
57.5°	49.5	74.2	117.0	1032.6	2171.0	2180.0	2216.0	2342.0	2605.2	2845.9	3118.2
60°	45.0	65.2	92.2	177.7	1973.0	1995.5	2002.3	2036.0	2067.5	2231.8	2544.5
62.5°	27.0	51.7	81.0	128.2	1561.3	1793.1	1790.8	1813.3	1842.6	1860.6	1923.5
65°	22.5	40.5	69.7	108.0	191.2	238.5	1448.8	1610.8	1628.8	1653.6	1664.8
67.5°	20.2	36.0	51.7	85.5	144.0	164.2	189.0	234.0	1277.9	1439.8	1462.3
70°	18.0	24.7	42.7	72.0	117.0	126.0	141.7	162.0	191.2	236.2	1156.4
72.5°	11.2	18.0	29.2	51.7	90.0	101.2	110.2	123.7	137.2	164.2	189.0
75°	4.5	13.5	24.7	38.2	69.7	76.5	83.2	92.2	103.5	121.5	135.0
77.5°	4.5	11.2	20.2	27.0	45.0	51.7	60.7	67.5	76.5	85.5	99.0
80°	15.7	9.0	13.5	20.2	31.5	33.7	38.2	42.7	49.5	56.2	65.2
82.5°	11.2	13.5	15.7	13.5	15.7	20.2	22.5	27.0	29.2	33.7	36.0
85°	9.0	9.0	11.2	11.2	11.2	11.2	11.2	11.2	13.5	15.7	20.2
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0
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-LD5-120SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7471.5	7467.0	7453.5	7453.5	7451.2	7460.2	7467.0	7473.7	7471.5	7485.0	7471.5
5°	7527.7	7516.5	7496.2	7478.2	7471.5	7476.0	7469.2	7476.0	7467.0	7478.2	7458.0
7.5°	7682.9	7644.7	7565.9	7534.5	7494.0	7491.7	7471.5	7467.0	7453.5	7453.5	7428.7
10°	7957.4	7772.9	7750.4	7655.9	7622.2	7458.0	7494.0	7433.2	7426.5	7397.2	7386.0
12.5°	8182.4	8038.4	7995.7	7912.4	7817.9	7485.0	7559.2	7428.7	7422.0	7363.5	7302.7
15°	8186.9	8270.1	8153.1	7923.7	7903.4	7673.9	7523.2	7478.2	7419.7	7244.2	7273.5
17.5°	7923.7	8114.9	8171.1	8121.6	7977.7	7822.4	7610.9	7521.0	7345.5	7266.7	7212.7
20°	7496.2	7689.7	7930.4	7946.2	8036.1	7925.9	7649.2	7503.0	7291.5	7154.2	7109.2
22.5°	7156.5	7298.2	7574.9	7703.2	7813.4	7851.7	7676.2	7460.2	7197.0	7064.3	7037.3
25°	6976.5	7008.0	7091.2	7242.0	7485.0	7660.4	7685.2	7455.7	7318.5	7028.3	6875.3
27.5°	6911.3	6884.3	6850.5	6927.0	7109.2	7323.0	7464.7	7503.0	7161.0	6884.3	6731.3
30°	6744.8	6760.5	6708.8	6681.8	6801.0	7021.5	7273.5	7336.5	7073.3	6787.5	6612.0
32.5°	6540.1	6567.1	6576.1	6528.8	6504.1	6657.0	6929.3	7080.0	7066.5	6650.3	6454.6
35°	6283.6	6360.1	6380.3	6382.6	6342.1	6317.3	6474.8	6787.5	6906.8	6587.3	6303.8
37.5°	6013.6	6036.1	6146.3	6175.6	6175.6	6101.4	6218.3	6468.1	6634.5	6445.6	6119.4
40°	5676.1	5748.1	5851.6	5903.4	5955.1	5961.9	5896.6	6072.1	6346.6	6299.3	5946.1
42.5°	5430.9	5478.2	5541.2	5610.9	5716.6	5743.6	5676.1	5707.6	5993.4	6117.1	5721.1
45°	5145.2	5208.2	5226.2	5302.7	5412.9	5491.7	5489.4	5424.2	5653.7	5806.6	5556.9
47.5°	4852.7	4913.5	4945.0	4983.2	5064.2	5165.5	5221.7	5192.5	5237.4	5536.7	5338.7
50°	4551.3	4585.0	4648.0	4690.8	4744.7	4803.2	4938.2	4965.2	4902.2	5140.7	5098.0
52.5°	4265.5	4276.8	4319.5	4362.3	4434.3	4477.0	4585.0	4666.0	4661.5	4731.2	4830.2
55°	4042.8	3993.3	4002.3	4036.1	4083.3	4148.6	4209.3	4335.3	4378.0	4391.5	4549.0
57.5°	3158.7	3667.1	3712.1	3709.9	3766.1	3795.3	3851.6	3934.8	4087.8	4054.1	4229.6
60°	2870.7	2926.9	3352.1	3401.6	3421.9	3448.9	3516.4	3592.9	3705.4	3777.3	3853.8
62.5°	2189.0	2531.0	2659.2	3034.9	3093.4	3109.2	3154.2	3190.2	3307.1	3471.4	3439.9
65°	1694.1	1840.3	2231.8	2384.7	2704.2	2744.7	2807.7	2845.9	2879.7	3068.7	3077.7
67.5°	1464.6	1487.1	1592.8	1887.6	2090.0	2402.7	2441.0	2474.7	2526.5	2661.5	2744.7
70°	1250.9	1277.9	1307.1	1331.9	1595.1	1802.1	2092.3	2103.5	2137.3	2227.3	2416.2
72.5°	236.2	1068.6	1086.6	1102.4	1131.6	1268.9	1545.6	1770.6	1784.1	1826.8	2000.0
75°	159.7	186.7	256.5	881.9	911.2	920.2	967.4	1248.6	1455.6	1464.6	1541.1
77.5°	114.7	128.2	155.2	184.5	470.2	706.4	717.7	769.4	983.1	1138.4	1151.9
80°	78.7	87.7	103.5	117.0	144.0	189.0	521.9	537.7	564.7	778.4	818.9
82.5°	45.0	51.7	60.7	74.2	85.5	108.0	139.5	180.0	366.7	391.5	519.7
85°	22.5	24.7	29.2	36.0	42.7	51.7	69.7	85.5	117.0	211.5	218.2
87.5°	11.2	11.2	11.2	11.2	18.0	20.2	24.7	31.5	40.5	60.7	78.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7473.7	7505.2	7532.2	7539.0	7539.0	7543.5	7550.2	7554.7	7559.2	7563.7	7559.2
5°	7460.2	7494.0	7516.5	7523.2	7523.2	7536.7	7548.0	7561.4	7568.2	7568.2	7563.7
7.5°	7426.5	7451.2	7480.5	7498.5	7500.7	7523.2	7543.5	7541.2	7550.2	7554.7	7565.9
10°	7381.5	7381.5	7431.0	7444.5	7455.7	7480.5	7487.2	7500.7	7532.2	7536.7	7565.9
12.5°	7359.0	7336.5	7395.0	7401.7	7440.0	7408.5	7449.0	7462.5	7431.0	7473.7	7417.5
15°	7257.7	7284.7	7275.7	7296.0	7363.5	7327.5	7437.7	7401.7	7482.7	7386.0	7556.9
17.5°	7174.5	7170.0	7206.0	7224.0	7237.5	7314.0	7343.2	7383.7	7415.2	7388.2	7455.7
20°	7113.7	7077.8	7104.7	7125.0	7172.2	7230.7	7248.7	7188.0	7293.7	7473.7	7516.5
22.5°	6999.0	6974.3	7005.8	7005.8	7077.8	7068.8	7136.2	7098.0	7197.0	7406.2	7624.4
25°	6843.8	6846.0	6879.8	6920.3	6933.8	7035.0	7071.0	7120.5	7244.2	7494.0	7626.7
27.5°	6686.3	6672.8	6693.0	6776.3	6846.0	6920.3	6931.5	7100.2	7269.0	7440.0	7556.9
30°	6528.8	6515.3	6528.8	6589.6	6672.8	6722.3	6846.0	7071.0	7228.5	7345.5	7455.7
32.5°	6360.1	6346.6	6378.1	6423.1	6569.3	6576.1	6821.3	7032.8	7156.5	7242.0	7221.7
35°	6180.1	6162.1	6191.3	6261.1	6396.1	6445.6	6702.0	6859.5	6999.0	7039.5	6945.0
37.5°	5964.1	5932.6	5968.6	6065.4	6207.1	6351.1	6564.8	6747.0	6821.3	6713.3	6600.8
40°	5739.1	5716.6	5779.6	5829.1	5995.6	6195.8	6441.1	6569.3	6522.1	6398.3	6274.6
42.5°	5538.9	5491.7	5547.9	5642.4	5831.4	6058.6	6256.6	6328.6	6216.1	6033.9	5889.9
45°	5293.7	5237.4	5304.9	5430.9	5633.4	5892.1	6047.4	6022.6	5831.4	5673.9	5475.9
47.5°	5037.2	4969.7	5037.2	5188.0	5415.2	5689.6	5802.1	5689.6	5448.9	5250.9	5091.2
50°	4785.2	4706.5	4771.7	4999.0	5221.7	5433.2	5430.9	5212.7	5068.7	4852.7	4713.3
52.5°	4535.5	4423.0	4488.3	4735.7	4958.5	5199.2	5021.5	4819.0	4645.8	4456.8	4411.8
55°	4227.3	4105.8	4193.6	4553.5	4724.5	4866.2	4582.8	4405.0	4234.1	4139.6	4083.3
57.5°	3934.8	3802.1	3878.6	4303.8	4429.8	4465.8	4204.8	3952.8	3851.6	3820.1	3739.1
60°	3633.4	3482.6	3554.6	4045.1	4132.8	3986.6	3730.1	3534.4	3514.1	3451.1	3388.1
62.5°	3345.4	3178.9	3223.9	3723.4	3763.9	3498.4	3262.2	3210.4	3160.9	3097.9	3064.2
65°	3014.7	2841.4	2904.4	3381.4	3343.1	3001.2	2868.4	2857.2	2792.0	2740.2	2789.7
67.5°	2711.0	2506.2	2594.0	3007.9	2834.7	2555.7	2501.7	2474.7	2423.0	2452.2	1932.5
70°	2378.0	2155.3	2274.5	2605.2	2348.8	2164.3	2144.0	2103.5	2105.8	1673.8	1410.6
72.5°	2006.8	1813.3	1986.5	2164.3	1858.3	1804.3	1775.1	1770.6	1428.6	1160.9	1095.6
75°	1680.6	1484.8	1671.6	1739.1	1480.3	1444.3	1442.1	1192.4	938.2	895.4	875.2
77.5°	1311.6	1160.9	1338.6	1237.4	1136.1	1095.6	983.1	737.9	706.4	677.2	254.2
80°	884.2	895.4	998.9	852.7	809.9	690.7	544.4	521.9	450.0	180.0	141.7
82.5°	537.7	674.9	636.7	533.2	521.9	375.7	344.2	175.5	130.5	103.5	90.0
85°	279.0	342.0	328.5	290.2	216.0	193.5	108.0	83.2	67.5	51.7	42.7
87.5°	94.5	126.0	121.5	96.7	74.2	58.5	38.2	31.5	22.5	18.0	15.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7554.7	7554.7	7550.2	7554.7	7556.9	7552.5	7552.5	7556.9	7559.2	7561.4	7572.7
5°	7565.9	7570.4	7577.2	7590.7	7592.9	7619.9	7631.2	7637.9	7644.7	7646.9	7631.2
7.5°	7590.7	7606.4	7619.9	7617.7	7601.9	7559.2	7545.7	7534.5	7554.7	7606.4	7667.2
10°	7613.2	7541.2	7406.2	7590.7	7534.5	7586.2	7739.2	7772.9	7876.4	8022.7	8065.4
12.5°	7458.0	7655.9	7698.7	7491.7	7874.2	7732.4	7901.2	8049.6	8092.4	8240.9	8150.9
15°	7624.4	7721.2	7786.4	7993.4	7970.9	8092.4	8139.6	8110.4	8117.1	8155.4	8256.6
17.5°	7622.2	7815.7	7858.4	7997.9	8092.4	8094.6	8081.1	8067.6	8103.6	8132.9	8072.1
20°	7752.7	7815.7	7898.9	7955.2	7973.2	7995.7	8038.4	8004.7	7937.2	7871.9	7844.9
22.5°	7687.4	7829.2	7901.2	7910.2	7898.9	7829.2	7766.2	7671.7	7640.2	7606.4	7617.7
25°	7700.9	7766.2	7757.2	7721.2	7673.9	7543.5	7512.0	7471.5	7410.7	7264.5	7131.7
27.5°	7604.2	7570.4	7530.0	7442.2	7356.7	7287.0	7208.2	7077.8	6969.8	6812.3	6753.8
30°	7442.2	7307.2	7208.2	7156.5	7073.3	6956.3	6837.0	6677.3	6540.1	6508.6	6479.3
32.5°	7131.7	6999.0	6918.0	6792.0	6650.3	6510.8	6373.6	6310.6	6281.3	6285.8	6258.8
35°	6814.5	6697.5	6576.1	6387.1	6281.3	6141.8	6092.4	6078.9	6051.9	6022.6	5991.1
37.5°	6477.1	6339.8	6157.6	6045.1	5939.4	5883.1	5858.4	5838.1	5790.9	5739.1	5703.1
40°	6150.8	5903.4	5802.1	5691.9	5660.4	5635.7	5599.7	5550.2	5484.9	5475.9	5460.2
42.5°	5714.4	5536.7	5448.9	5426.4	5388.2	5345.4	5313.9	5259.9	5232.9	5250.9	5264.4
45°	5300.4	5210.4	5181.2	5154.2	5082.2	5021.5	5001.2	4983.2	5005.7	5104.7	4868.5
47.5°	4965.2	4929.2	4893.2	4848.2	4780.7	4735.7	4756.0	4774.0	4794.2	4067.6	3712.1
50°	4675.0	4625.5	4569.3	4519.8	4479.3	4474.8	4580.5	4263.3	3570.4	3552.4	3192.4
52.5°	4357.8	4283.5	4249.8	4220.6	4238.6	4306.0	3563.6	3307.1	3172.2	2756.0	2571.5
55°	4015.8	3950.6	3950.6	3977.6	3880.8	3145.2	3106.9	2686.2	2432.0	2360.0	2330.8
57.5°	3673.9	3667.1	3705.4	3388.1	2854.9	2738.0	2301.5	2209.3	2168.8	2159.8	2112.5
60°	3361.1	3424.1	2866.2	2636.7	2292.5	2067.5	2004.5	1993.3	1950.5	1934.8	1892.0
62.5°	3111.4	2580.5	2402.7	1961.8	1847.1	1817.8	1784.1	1768.3	1730.1	1527.6	447.7
65°	2247.5	2123.8	1723.3	1649.1	1640.1	1597.3	1583.8	1424.1	335.2	225.0	191.2
67.5°	1696.3	1505.1	1453.3	1439.8	1397.1	1311.6	389.2	222.7	191.2	166.5	146.2
70°	1302.6	1268.9	1230.6	1199.1	353.2	220.5	191.2	162.0	139.5	123.7	112.5
72.5°	1066.4	1043.9	607.4	231.7	189.0	159.7	141.7	123.7	108.0	99.0	90.0
75°	834.7	231.7	191.2	159.7	137.2	117.0	103.5	92.2	83.2	76.5	69.7
77.5°	189.0	153.0	130.5	110.2	99.0	87.7	78.7	67.5	60.7	54.0	45.0
80°	117.0	101.2	85.5	78.7	67.5	56.2	49.5	45.0	36.0	33.7	29.2
82.5°	76.5	60.7	54.0	45.0	36.0	33.7	29.2	22.5	20.2	18.0	15.7
85°	33.7	29.2	24.7	20.2	15.7	13.5	11.2	9.0	9.0	9.0	9.0
87.5°	11.2	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	4.5	4.5
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7577.2	7617.7	7655.9	7644.7	7604.2	7541.2	7523.2	7498.5	7516.5	7554.7	7570.4
5°	7631.2	7608.7	7689.7	7808.9	8002.4	8020.4	8155.4	8186.9	8294.9	8362.4	8360.1
7.5°	7707.7	8027.1	8159.9	8303.9	8369.1	8353.4	8373.6	8357.9	8333.1	8321.9	8308.4
10°	8096.9	8339.9	8389.4	8389.4	8288.1	8150.9	8092.4	7991.2	7788.7	7793.2	7759.4
12.5°	8324.1	8409.6	8292.6	8193.6	7786.4	7628.9	7458.0	7377.0	7329.7	7257.7	7284.7
15°	8204.9	8083.4	8013.7	7694.2	7444.5	7161.0	7165.5	7116.0	7064.3	7068.8	7035.0
17.5°	8029.4	7932.7	7437.7	7217.2	7095.7	6985.5	6965.3	6900.0	6866.3	6855.0	6852.8
20°	7788.7	7440.0	7071.0	7017.0	6870.8	6744.8	6724.5	6744.8	6848.3	6663.8	6038.4
22.5°	7507.5	7005.8	6897.8	6744.8	6645.8	6596.3	6720.0	6157.6	5307.2	5410.7	5300.4
25°	7030.5	6812.3	6627.8	6510.8	6499.6	6195.8	5163.2	5055.2	4508.5	4216.1	3887.6
27.5°	6681.8	6587.3	6393.8	6373.6	6227.3	5066.5	4528.8	3934.8	3716.6	3682.9	3610.9
30°	6470.3	6335.3	6218.3	5707.6	4969.7	4078.8	3633.4	3550.1	3511.9	3471.4	3408.4
32.5°	6216.1	6087.9	6144.1	4798.7	3961.8	3511.9	3421.9	3361.1	3291.4	3264.4	3037.2
35°	5957.4	5898.9	4801.0	4033.8	3406.1	3298.2	3230.7	3167.7	2519.7	609.7	207.0
37.5°	5680.6	5667.1	4315.0	3347.6	3190.2	3088.9	2897.7	598.4	141.7	96.7	72.0
40°	5464.7	4317.3	3410.6	3138.4	3010.2	2850.4	400.5	99.0	63.0	38.2	24.7
42.5°	5320.7	3883.1	3052.9	2944.9	2666.0	294.7	101.2	42.7	24.7	20.2	15.7
45°	4101.3	3066.4	2852.7	2740.2	337.5	101.2	58.5	20.2	15.7	13.5	9.0
47.5°	3784.1	2785.2	2659.2	598.4	112.5	54.0	40.5	13.5	9.0	9.0	9.0
50°	2866.2	2573.7	2117.0	146.2	72.0	38.2	29.2	9.0	9.0	9.0	6.7
52.5°	2513.0	2375.7	227.2	96.7	56.2	29.2	18.0	6.7	6.7	6.7	6.7
55°	2297.0	1507.3	135.0	74.2	47.2	27.0	11.2	6.7	6.7	6.7	4.5
57.5°	2101.3	202.5	99.0	63.0	42.7	24.7	6.7	6.7	6.7	6.7	4.5
60°	1781.8	146.2	81.0	56.2	40.5	22.5	6.7	6.7	6.7	6.7	6.7
62.5°	231.7	114.7	69.7	49.5	29.2	18.0	4.5	6.7	6.7	6.7	6.7
65°	168.7	90.0	63.0	33.7	18.0	6.7	4.5	6.7	6.7	6.7	6.7
67.5°	130.5	74.2	47.2	29.2	15.7	4.5	4.5	6.7	6.7	6.7	6.7
70°	103.5	63.0	38.2	24.7	13.5	4.5	4.5	6.7	6.7	6.7	6.7
72.5°	81.0	45.0	27.0	13.5	9.0	4.5	4.5	6.7	6.7	6.7	6.7
75°	60.7	36.0	20.2	11.2	4.5	4.5	4.5	6.7	6.7	6.7	6.7
77.5°	40.5	22.5	15.7	9.0	9.0	9.0	11.2	11.2	6.7	6.7	6.7
80°	27.0	15.7	11.2	11.2	11.2	9.0	11.2	11.2	6.7	11.2	6.7
82.5°	13.5	11.2	11.2	9.0	9.0	6.7	9.0	9.0	9.0	9.0	6.7
85°	9.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0	6.7
87.5°	4.5	4.5	4.5	4.5	6.7	6.7	6.7	6.7	9.0	9.0	6.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7550.2	7556.9	7539.0	7635.7	7586.2	7590.7	7610.9	7559.2	7570.4	7534.5	7509.7
5°	8369.1	8382.6	8396.1	8400.6	8409.6	8420.9	8407.4	8400.6	8387.1	8342.1	8294.9
7.5°	8240.9	8225.1	8218.4	8227.4	8243.1	8249.9	8238.6	8254.4	8312.9	8337.6	8353.4
10°	7565.9	7494.0	7543.5	7536.7	7480.5	7669.4	7617.7	7646.9	7667.2	7874.2	8000.2
12.5°	7244.2	7289.2	7203.7	7161.0	7217.2	7255.5	7293.7	7212.7	7325.2	7273.5	7440.0
15°	6974.3	6947.3	6938.3	6940.5	6929.3	6983.3	6996.8	7014.8	7030.5	7100.2	7127.2
17.5°	6852.8	6897.8	6915.8	6929.3	6906.8	6882.0	6857.3	6821.3	6832.5	6814.5	6866.3
20°	5617.7	5466.9	5457.9	5545.7	5448.9	5502.9	5633.4	6506.3	6477.1	6816.8	6702.0
22.5°	4688.5	4546.8	4425.3	4319.5	4470.3	4533.3	4776.2	5050.7	5496.2	5426.4	5910.1
25°	3829.1	3777.3	3745.9	3730.1	3741.4	3736.9	3790.8	3919.1	4121.6	4598.5	5214.9
27.5°	3581.6	3556.9	3545.6	3509.6	3536.6	3527.6	3570.4	3597.4	3658.1	3705.4	3905.6
30°	3385.9	3356.6	3336.4	3298.2	3325.1	3327.4	3340.9	3410.6	3435.4	3475.9	3538.9
32.5°	1237.4	728.9	683.9	650.2	710.9	926.9	1626.6	2843.7	3244.2	3275.7	3347.6
35°	121.5	101.2	90.0	90.0	92.2	101.2	135.0	355.5	650.2	2513.0	3145.2
37.5°	47.2	40.5	33.7	31.5	33.7	38.2	51.7	67.5	92.2	191.2	852.7
40°	20.2	18.0	15.7	15.7	15.7	15.7	18.0	22.5	33.7	63.0	99.0
42.5°	13.5	11.2	11.2	11.2	11.2	11.2	11.2	11.2	15.7	20.2	40.5
45°	9.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0	11.2	18.0
47.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0
50°	6.7	6.7	6.7	6.7	4.5	6.7	4.5	6.7	6.7	6.7	6.7
52.5°	6.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.7	6.7
55°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.7
57.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
60°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
62.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.7	6.7	4.5
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.7	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	6.7	6.7	4.5	6.7	4.5	4.5	6.7	6.7	6.7	4.5	4.5
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	13.5	13.5	9.0
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	11.2	13.5	11.2
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	11.2	11.2	11.2
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0	9.0
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0	9.0
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7467.0	7464.7	7512.0	7548.0	7534.5	7548.0	7563.7	7565.9	7570.4	7552.5	7545.7
5°	8204.9	8135.1	8000.2	7903.4	7790.9	7586.2	7485.0	7496.2	7498.5	7491.7	7500.7
7.5°	8346.6	8339.9	8292.6	8272.4	8195.9	8049.6	7815.7	7775.2	7676.2	7613.2	7561.4
10°	7991.2	8153.1	8195.9	8267.9	8312.9	8285.9	8087.9	8058.6	7995.7	7923.7	7939.4
12.5°	7606.4	7739.2	7745.9	8137.4	8225.1	8234.1	8157.6	8198.1	8207.1	8045.1	7950.7
15°	7134.0	7197.0	7329.7	7694.2	7959.7	8126.1	8175.6	8198.1	8087.9	8081.1	8042.9
17.5°	6927.0	6967.5	7028.3	7233.0	7635.7	7880.9	8090.1	8074.4	8117.1	8085.6	7988.9
20°	6666.0	6699.8	6807.8	6911.3	7109.2	7435.5	7826.9	7856.2	7912.4	7905.7	7932.7
22.5°	6661.5	6542.3	6560.3	6641.3	6848.3	7140.7	7556.9	7653.7	7689.7	7714.4	7743.7
25°	5284.7	6231.8	6405.1	6456.8	6591.8	6762.8	7253.2	7289.2	7356.7	7467.0	7548.0
27.5°	4578.3	5221.7	5914.6	6274.6	6360.1	6501.8	6794.3	6848.3	7077.8	7104.7	7230.7
30°	3613.1	4110.3	5145.2	6011.4	6153.1	6252.1	6459.1	6567.1	6666.0	6774.0	6906.8
32.5°	3399.4	3478.1	4051.8	4974.2	6076.6	6002.4	6155.3	6220.6	6328.6	6423.1	6519.8
35°	3203.7	3257.7	3379.1	4074.3	4949.5	5797.6	5901.1	5943.9	6004.6	6076.6	6146.3
37.5°	2998.9	3079.9	3163.2	3349.9	4578.3	5635.7	5633.4	5682.9	5718.9	5779.6	5838.1
40°	544.4	2828.0	2962.9	3084.4	3550.1	4495.0	5381.4	5403.9	5428.7	5466.9	5527.7
42.5°	87.7	472.4	2776.2	2893.2	3025.9	4024.8	5266.7	5174.5	5158.7	5185.7	5239.7
45°	45.0	114.7	557.9	2702.0	2821.2	3210.4	4306.0	5014.7	4999.0	4947.2	4958.5
47.5°	33.7	72.0	137.2	933.7	2641.2	2756.0	3973.1	3930.3	4229.6	4803.2	4715.5
50°	29.2	49.5	81.0	191.2	2333.0	2537.7	3059.7	3574.9	3732.4	3752.6	4441.0
52.5°	27.0	33.7	58.5	123.7	490.4	2346.5	2488.2	2668.2	2933.7	3502.9	3489.4
55°	24.7	31.5	49.5	83.2	171.0	2114.8	2261.0	2294.8	2351.0	2623.2	2983.2
57.5°	13.5	29.2	47.2	72.0	128.2	387.0	2051.8	2078.8	2123.8	2135.0	2263.3
60°	6.7	27.0	42.7	63.0	94.5	180.0	1844.8	1876.3	1903.3	1907.8	1948.3
62.5°	4.5	24.7	36.0	58.5	78.7	128.2	436.5	890.9	1694.1	1694.1	1741.3
65°	4.5	18.0	22.5	38.2	72.0	105.7	184.5	213.7	416.2	1023.6	1527.6
67.5°	4.5	6.7	20.2	31.5	54.0	81.0	135.0	157.5	189.0	216.0	400.5
70°	4.5	4.5	18.0	20.2	33.7	60.7	96.7	110.2	128.2	146.2	168.7
72.5°	4.5	4.5	15.7	15.7	22.5	40.5	74.2	81.0	92.2	103.5	119.2
75°	11.2	9.0	13.5	13.5	15.7	31.5	56.2	63.0	67.5	76.5	87.7
77.5°	11.2	11.2	11.2	11.2	11.2	20.2	36.0	40.5	47.2	51.7	60.7
80°	9.0	9.0	9.0	11.2	11.2	13.5	22.5	24.7	27.0	33.7	36.0
82.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	13.5	15.7	20.2
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0	9.0	9.0
87.5°	6.7	6.7	6.7	4.5	4.5	6.7	6.7	6.7	6.7	6.7	6.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7543.5	7530.0	7518.7	7525.5	7505.2	7496.2	7503.0	7505.2	7509.7	7521.0	7523.2
5°	7523.2	7518.7	7539.0	7550.2	7545.7	7550.2	7550.2	7541.2	7527.7	7536.7	7516.5
7.5°	7509.7	7480.5	7458.0	7462.5	7440.0	7467.0	7491.7	7527.7	7539.0	7539.0	7516.5
10°	7741.4	7709.9	7583.9	7498.5	7442.2	7392.7	7509.7	7390.5	7446.7	7233.0	7478.2
12.5°	7932.7	7975.4	7919.2	7685.2	7644.7	7496.2	7581.7	7435.5	7392.7	7147.5	7226.2
15°	8009.2	7928.2	7910.2	7844.9	7757.2	7714.4	7485.0	7460.2	7390.5	7417.5	7314.0
17.5°	7941.7	7982.2	7928.2	7885.4	7795.4	7694.2	7556.9	7435.5	7338.7	7122.7	7305.0
20°	7876.4	7930.4	7768.4	7795.4	7804.4	7687.4	7615.4	7514.2	7392.7	7190.2	7032.8
22.5°	7768.4	7730.2	7743.7	7703.2	7669.4	7685.2	7586.2	7516.5	7311.7	7219.5	7005.8
25°	7592.9	7579.4	7615.4	7610.9	7530.0	7503.0	7453.5	7379.2	7298.2	7149.7	6974.3
27.5°	7307.2	7377.0	7440.0	7469.2	7426.5	7354.5	7327.5	7284.7	7228.5	7077.8	6947.3
30°	7005.8	7084.5	7156.5	7219.5	7257.7	7226.2	7201.5	7176.7	7091.2	6992.3	6846.0
32.5°	6661.5	6765.0	6864.0	6940.5	7023.8	7048.5	7030.5	7010.3	6938.3	6848.3	6731.3
35°	6263.3	6405.1	6549.1	6686.3	6722.3	6780.8	6839.3	6805.5	6767.3	6677.3	6569.3
37.5°	5925.9	6027.1	6130.6	6303.8	6429.8	6504.1	6607.6	6621.0	6555.8	6513.1	6371.3
40°	5577.2	5669.4	5820.1	5921.4	6094.6	6180.1	6290.3	6339.8	6324.1	6299.3	6175.6
42.5°	5302.7	5347.7	5446.7	5536.7	5707.6	5883.1	5979.9	6033.9	6090.1	6069.9	6006.9
45°	5010.2	5050.7	5084.5	5163.2	5329.7	5484.9	5604.2	5685.1	5786.4	5833.6	5757.1
47.5°	4720.0	4731.2	4771.7	4837.0	4936.0	5055.2	5255.4	5376.9	5471.4	5563.7	5514.2
50°	4497.3	4456.8	4463.5	4504.0	4585.0	4702.0	4846.0	5017.0	5125.0	5237.4	5248.7
52.5°	3930.3	4258.8	4180.1	4202.6	4245.3	4301.5	4452.3	4621.0	4753.7	4850.5	4947.2
55°	3298.2	3363.4	3995.6	3905.6	3932.6	3982.1	4051.8	4220.6	4348.8	4483.8	4618.8
57.5°	2558.0	3043.9	3068.7	3653.6	3640.1	3644.6	3703.1	3799.8	3928.1	4096.8	4211.6
60°	1988.8	2193.5	2591.7	2794.2	3307.1	3325.1	3358.9	3415.1	3525.4	3685.1	3867.3
62.5°	1754.8	1781.8	1923.5	2227.3	2560.2	2962.9	3034.9	3043.9	3093.4	3253.2	3464.6
65°	1541.1	1559.1	1601.8	1633.3	1912.3	2301.5	2648.0	2704.2	2735.7	2830.2	3010.2
67.5°	1061.9	1343.1	1381.4	1403.9	1430.8	1610.8	2040.5	2326.3	2362.2	2445.5	2603.0
70°	204.7	425.2	1163.1	1187.9	1201.4	1241.9	1311.6	1766.1	2004.5	2083.3	2155.3
72.5°	139.5	164.2	198.0	468.0	989.9	1012.4	1028.1	1086.6	1489.3	1718.8	1757.1
75°	101.2	112.5	132.7	164.2	202.5	659.2	816.7	845.9	875.2	1208.1	1401.6
77.5°	72.0	81.0	90.0	105.7	123.7	159.7	229.5	632.2	661.4	677.2	956.1
80°	40.5	49.5	60.7	69.7	78.7	90.0	117.0	146.2	326.2	476.9	501.7
82.5°	22.5	27.0	31.5	38.2	42.7	54.0	65.2	78.7	103.5	153.0	324.0
85°	11.2	11.2	11.2	15.7	18.0	24.7	29.2	33.7	47.2	65.2	90.0
87.5°	6.7	6.7	9.0	9.0	9.0	11.2	11.2	11.2	13.5	20.2	29.2
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	7496.2	7496.2	7496.2	7496.2	7496.2
2.5°	7525.5	7518.7	7518.7	7545.7	7539.0
5°	7512.0	7505.2	7503.0	7532.2	7518.7
7.5°	7500.7	7476.0	7469.2	7496.2	7485.0
10°	7455.7	7437.7	7449.0	7440.0	7435.5
12.5°	7379.2	7368.0	7320.7	7325.2	7363.5
15°	7242.0	7287.0	7206.0	7278.0	7293.7
17.5°	6990.0	7091.2	7170.0	7212.7	7219.5
20°	7102.5	7136.2	7095.7	7098.0	7125.0
22.5°	6956.3	6972.0	6983.3	6969.8	7028.3
25°	6722.3	6661.5	6792.0	6819.0	6913.5
27.5°	6650.3	6600.8	6661.5	6657.0	6735.8
30°	6591.8	6432.1	6459.1	6501.8	6598.6
32.5°	6508.6	6256.6	6229.6	6324.1	6432.1
35°	6362.3	6123.9	6060.9	6121.6	6283.6
37.5°	6238.6	5939.4	5813.4	5894.4	6105.9
40°	6054.1	5795.4	5599.7	5671.6	5921.4
42.5°	5833.6	5671.6	5370.2	5419.7	5705.4
45°	5610.9	5466.9	5147.5	5172.2	5511.9
47.5°	5383.7	5250.9	4915.7	4920.2	5264.4
50°	5161.0	4985.5	4708.8	4630.0	5001.2
52.5°	4870.7	4708.8	4499.5	4371.3	4751.5
55°	4596.3	4414.0	4261.0	4063.1	4468.0
57.5°	4328.5	4126.1	4022.6	3768.4	4146.3
60°	3961.8	3865.1	3712.1	3469.1	3856.1
62.5°	3586.1	3554.6	3399.4	3147.4	3498.4
65°	3147.4	3221.7	3061.9	2845.9	3127.2
67.5°	2733.5	2866.2	2690.7	2558.0	2769.5
70°	2292.5	2445.5	2346.5	2299.3	2389.2
72.5°	1858.3	2006.8	2015.8	1982.0	2011.3
75°	1435.3	1599.6	1689.6	1637.8	1644.6
77.5°	1088.9	1167.6	1266.6	1307.1	1298.1
80°	672.7	809.9	890.9	974.1	944.9
82.5°	339.7	454.5	553.4	643.4	600.7
85°	141.7	182.2	254.2	335.2	321.7
87.5°	42.7	72.0	76.5	108.0	101.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)