

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-LD5-101SL-RM-UNV-L940-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-LD5-101SL-RM-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

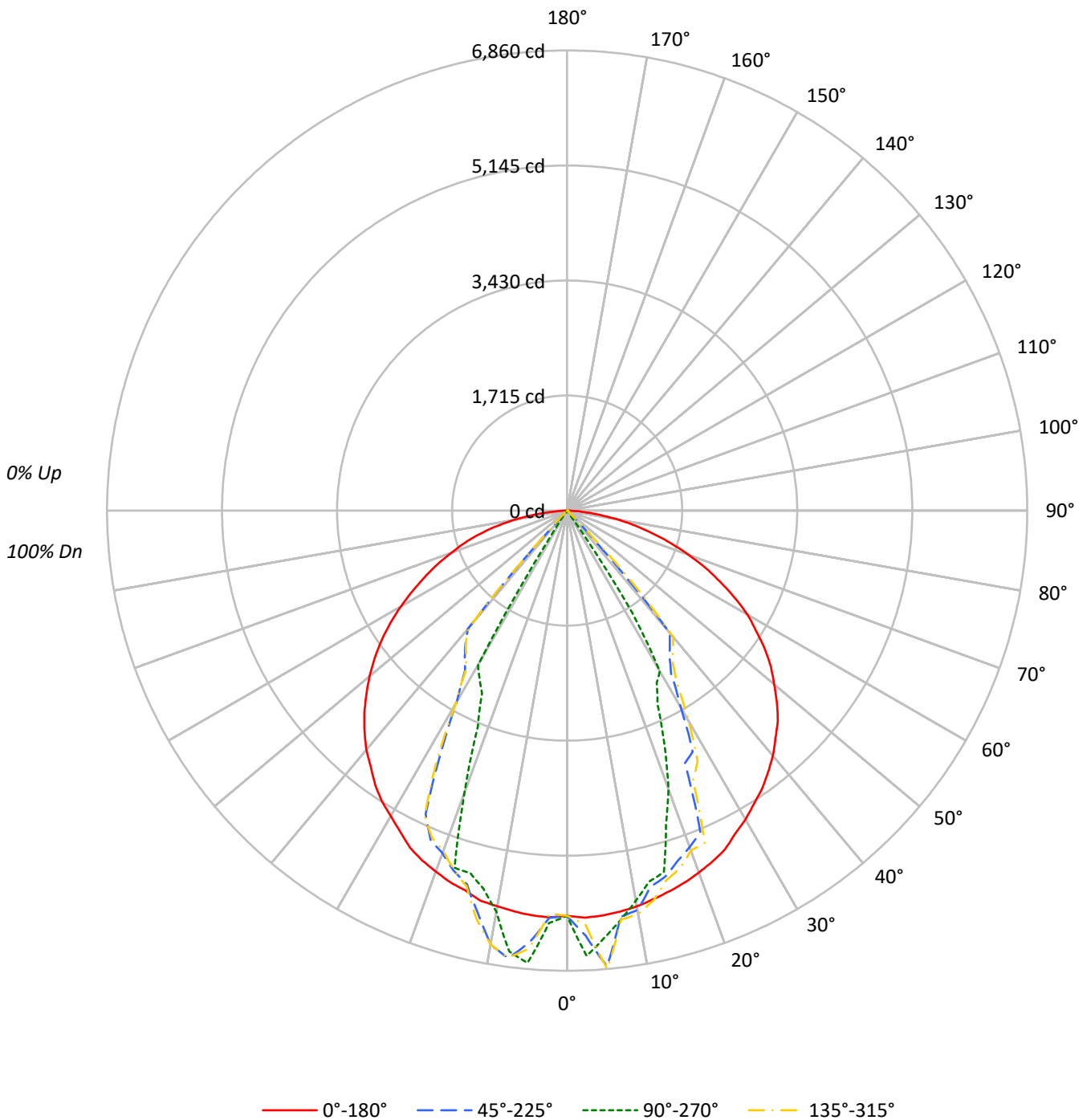
Lumens per Lamp: N/A
Luminaire Lumens: 8589.0 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 75
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-LD5-101SL-RM-UNV-L940-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	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°	24406	24406	24406	24406
5°	24540	25102	24532	26582
10°	24515	22714	24500	23370
15°	24482	21201	24422	21256
20°	24547	16699	24477	16905
25°	24657	12085	24536	11404
30°	24586	10601	24326	10191
35°	24705	234	24342	283
40°	24841	51	24247	51
45°	24989	30	24050	22
50°	24869	23	23728	23
55°	24808	17	23285	17
60°	24448	18	22537	18
65°	23311	29	21650	19
70°	21809	31	20761	31
75°	19548	35	19870	35
80°	16274	40	17204	40
85°	10196	47	10412	47



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.0	7.1
10°-20°	1653.0	19.2
20°-30°	2103.4	24.5
30°-40°	1776.8	20.7
40°-50°	1161.6	13.5
50°-60°	731.9	8.5
60°-70°	389.6	4.5
70°-80°	142.0	1.7
80°-90°	24.4	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°	4362.5	50.8
0°-40°	6139.3	71.5
0°-60°	8032.9	93.5
0°-90°	8589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8589.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6040	6040	6040	6040	6040	
5°	6059	6392	6057	6769	6059	576
15°	5877	5578	5863	5593	5877	1661
25°	5571	3185	5544	3006	5571	2562
35°	5063	60	4989	72	5063	3167
45°	4442	7	4275	5	4442	3416
55°	3600	4	3379	4	3600	3208
65°	2520	5	2340	4	2520	2496
75°	1325	5	1347	5	1325	1407
85°	259	5	265	5	259	328
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6074.9	6078.5	6080.3	6083.9	6089.4	6091.2	6094.8	6091.2	6091.2	6091.2	6091.2
5°	6058.6	6065.8	6071.2	6078.5	6091.2	6093.0	6107.5	6109.3	6116.6	6131.1	6141.9
7.5°	6031.4	6038.6	6049.5	6067.6	6085.7	6105.7	6131.1	6158.3	6196.3	6232.6	6277.9
10°	5991.5	6000.5	6013.2	6029.6	6118.4	6131.1	6187.3	6265.2	6287.0	6401.2	6486.4
12.5°	5933.5	5964.3	5996.9	6011.4	6096.6	6230.8	6419.3	6381.2	6339.5	6713.0	6707.6
15°	5877.3	5919.0	5902.7	6020.5	6098.4	6332.3	6252.5	6422.9	6734.8	6658.6	6662.2
17.5°	5817.4	5826.5	5917.2	6015.0	6154.6	6274.3	6372.2	6606.0	6667.7	6673.1	6606.0
20°	5741.3	5784.8	5917.2	6006.0	6241.7	6297.9	6510.0	6629.6	6604.2	6542.6	6428.4
22.5°	5663.4	5795.7	5929.8	6054.9	6219.9	6370.4	6475.5	6531.7	6399.4	6156.4	6025.9
25°	5570.9	5648.9	5824.7	6007.8	6214.5	6301.5	6363.1	6272.5	6100.3	5882.7	5663.4
27.5°	5427.7	5552.8	5777.6	5984.2	6171.0	6276.1	6176.4	5958.8	5681.5	5538.3	5438.6
30°	5317.1	5480.3	5665.2	5864.6	6058.6	6120.2	5866.4	5618.0	5427.7	5284.5	5262.7
32.5°	5182.9	5415.0	5590.8	5781.2	5944.3	5862.8	5616.2	5295.3	5137.6	5083.2	5105.0
35°	5063.3	5239.1	5469.4	5656.1	5773.9	5590.8	5201.1	5001.7	4925.5	4956.3	4916.5
37.5°	4920.1	5152.1	5364.2	5525.6	5485.7	5210.1	4880.2	4753.3	4762.4	4737.0	4660.8
40°	4771.4	4992.6	5213.8	5366.0	5226.5	4805.9	4586.5	4559.3	4564.8	4483.2	4374.4
42.5°	4597.4	4798.6	5019.8	5157.6	4856.6	4528.5	4379.9	4383.5	4336.3	4222.1	4164.1
45°	4441.5	4626.4	4856.6	4869.3	4499.5	4225.8	4182.3	4135.1	4030.0	3991.9	3948.4
47.5°	4242.1	4446.9	4637.3	4568.4	4149.6	3979.2	3946.6	3843.2	3790.7	3761.7	3725.4
50°	4030.0	4236.6	4410.7	4214.9	3819.7	3779.8	3672.8	3591.3	3555.0	3524.2	3491.6
52.5°	3828.7	3999.2	4176.8	3839.6	3565.9	3527.8	3406.4	3359.2	3323.0	3288.5	3281.3
55°	3600.3	3750.8	3872.3	3482.5	3323.0	3234.1	3147.1	3114.5	3080.0	3063.7	3090.9
57.5°	3341.1	3511.5	3493.4	3130.8	3060.1	2931.4	2898.8	2877.0	2851.6	2862.5	2635.9
60°	3107.2	3237.8	3148.9	2873.4	2753.7	2666.7	2637.7	2623.2	2637.7	2416.5	2124.7
62.5°	2819.0	2965.8	2786.4	2572.4	2445.5	2403.8	2378.5	2398.4	2186.3	1943.4	1872.7
65°	2519.9	2679.4	2414.7	2249.8	2170.0	2133.7	2131.9	1963.3	1754.8	1660.6	1660.6
67.5°	2231.6	2396.6	2055.8	1918.0	1887.2	1890.8	1785.7	1530.0	1472.0	1408.6	1225.5
70°	1925.3	2070.3	1698.6	1615.3	1597.1	1584.4	1328.8	1259.9	1191.0	1022.4	1007.9
72.5°	1620.7	1691.4	1365.1	1345.1	1341.5	1114.9	1064.1	946.3	866.5	846.6	837.5
75°	1325.2	1303.4	1078.6	1096.8	924.6	844.8	763.2	694.3	683.4	676.2	168.6
77.5°	1046.0	937.2	850.2	739.6	661.7	562.0	545.7	534.8	351.7	126.9	103.3
80°	761.4	607.3	565.6	480.4	409.7	393.4	402.5	123.3	97.9	81.6	70.7
82.5°	484.0	388.0	317.2	277.4	270.1	117.8	87.0	70.7	61.6	52.6	43.5
85°	259.2	172.2	159.5	134.2	79.8	54.4	45.3	34.4	29.0	23.6	21.8
87.5°	81.6	68.9	56.2	45.3	27.2	18.1	14.5	12.7	10.9	9.1	9.1
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°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6087.6	6091.2	6089.4	6094.8	6094.8	6102.1	6107.5	6112.9	6123.8	6129.3	6171.0
5°	6165.5	6174.6	6201.8	6227.2	6258.0	6267.0	6319.6	6332.3	6393.9	6401.2	6604.2
7.5°	6339.5	6374.0	6439.3	6504.5	6569.8	6611.5	6684.0	6729.3	6778.3	6821.8	6983.1
10°	6549.8	6607.9	6671.3	6736.6	6774.6	6854.4	6897.9	6905.2	6892.5	6821.8	6560.7
12.5°	6756.5	6814.5	6787.3	6800.0	6845.3	6703.9	6723.9	6622.4	6693.1	6343.2	6083.9
15°	6727.5	6723.9	6656.8	6439.3	6475.5	6205.4	6096.6	6013.2	6080.3	6044.1	6004.2
17.5°	6640.5	6475.5	6359.5	6098.4	5987.9	5911.7	5913.5	5915.3	5882.7	5917.2	5815.6
20°	6272.5	6087.6	5915.3	5822.9	5790.3	5735.9	5763.1	5735.9	5737.7	5748.6	5592.7
22.5°	5783.0	5726.8	5627.1	5656.1	5645.2	5694.2	5657.9	5601.7	5619.8	5538.3	5420.4
25°	5585.4	5520.1	5516.5	5527.4	5511.1	5489.3	5456.7	5371.5	5366.0	5340.7	5286.3
27.5°	5386.0	5389.6	5400.5	5367.9	5309.8	5266.3	5217.4	5175.7	5192.0	5163.0	5088.7
30°	5248.2	5246.4	5181.1	5152.1	5045.2	5047.0	5034.3	5008.9	4992.6	4994.4	4947.3
32.5°	5052.4	4996.2	4921.9	4885.6	4876.6	4843.9	4818.6	4824.0	4836.7	4791.4	4840.3
35°	4851.2	4735.2	4724.3	4693.5	4664.5	4642.7	4651.8	4615.5	4613.7	4608.3	4209.4
37.5°	4581.1	4524.9	4519.4	4486.8	4466.9	4461.4	4427.0	4432.4	4448.7	4477.7	3589.4
40°	4358.1	4307.3	4294.6	4292.8	4249.3	4245.7	4254.8	4289.2	4312.8	4131.5	3420.9
42.5°	4118.8	4122.4	4082.5	4057.2	4062.6	4078.9	4122.4	4002.8	3468.0	3304.8	3127.2
45°	3914.0	3895.8	3874.1	3866.8	3914.0	3881.3	3402.7	3139.9	3076.4	3069.2	2570.6
47.5°	3700.0	3694.6	3685.5	3691.0	3422.7	3051.0	2942.3	2907.8	2918.7	2911.4	2208.1
50°	3484.3	3491.6	3491.6	3049.2	2799.0	2737.4	2746.5	2777.3	2585.1	2412.9	2057.6
52.5°	3297.6	3241.4	2777.3	2617.8	2561.6	2588.8	2523.5	2282.4	2108.3	2006.8	1903.5
55°	2951.3	2538.0	2434.7	2409.3	2429.2	2188.1	2039.5	1883.6	1838.2	1827.4	1767.5
57.5°	2322.3	2238.9	2247.9	2146.4	1916.2	1780.2	1720.4	1698.6	1678.7	1664.2	145.0
60°	2054.0	2077.5	1901.7	1684.1	1591.7	1573.6	1559.1	1539.1	1535.5	1510.1	92.5
62.5°	1879.9	1653.3	1501.0	1446.7	1424.9	1419.5	1392.3	1383.2	1174.7	161.3	68.9
65°	1417.7	1325.2	1296.2	1283.5	1259.9	1259.9	1046.0	165.0	134.2	116.0	61.6
67.5°	1156.6	1149.3	1134.8	1118.5	761.4	159.5	139.6	121.5	105.1	92.5	54.4
70°	978.9	975.3	888.3	163.2	136.0	119.6	105.1	94.3	87.0	78.0	48.9
72.5°	803.1	163.2	137.8	119.6	103.3	94.3	85.2	76.1	68.9	63.4	39.9
75°	125.1	110.6	97.9	88.8	81.6	72.5	65.3	59.8	58.0	50.8	27.2
77.5°	90.6	78.0	70.7	63.4	56.2	50.8	43.5	38.1	34.4	29.0	19.9
80°	63.4	56.2	50.8	41.7	36.3	30.8	27.2	23.6	21.8	18.1	9.1
82.5°	36.3	30.8	27.2	21.8	19.9	16.3	14.5	12.7	12.7	9.1	9.1
85°	16.3	16.3	12.7	10.9	9.1	9.1	9.1	7.3	7.3	5.4	5.4
87.5°	7.3	7.3	7.3	7.3	7.3	5.4	5.4	5.4	5.4	5.4	3.6
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°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6229.0	6252.5	6297.9	6345.0	6292.4	6481.0	6466.4	6529.9	6564.3	6580.7	6618.7
5°	6783.7	6888.8	6923.3	6820.0	6760.1	6698.5	6558.9	6453.8	6466.4	6432.0	6306.9
7.5°	6772.8	6548.0	6245.3	6107.5	6096.6	6080.3	6123.8	6149.2	6152.8	6151.0	6147.4
10°	6200.0	6083.9	6064.0	6045.9	6053.1	5986.0	5955.2	5868.2	5915.3	5890.0	5899.0
12.5°	6025.9	5998.7	5891.8	5743.1	5831.9	5764.9	5726.8	5752.2	5723.2	5696.0	5686.9
15°	5922.6	5746.7	5686.9	5650.7	5625.3	5610.8	5623.5	5594.5	5585.4	5580.0	5592.7
17.5°	5708.7	5638.0	5572.7	5476.6	5478.4	5473.0	5509.3	5563.6	5567.3	5288.1	5036.1
20°	5540.1	5482.1	5398.7	5338.9	5420.4	5275.4	4715.2	4448.7	4407.0	4407.0	4414.3
22.5°	5405.9	5277.2	5282.7	5188.4	4425.2	4269.3	4272.9	4289.2	4214.9	3961.1	3933.9
25°	5222.8	5202.9	4805.9	4153.2	4158.7	4037.2	3850.5	3587.6	3303.0	3303.0	3255.9
27.5°	5085.1	4662.7	4082.5	4055.4	3647.5	3390.0	3230.5	2989.4	2956.8	2925.9	2929.6
30°	4967.2	3944.8	3959.3	3390.0	3089.1	2875.2	2862.5	2822.6	2802.7	2797.2	2777.3
32.5°	3926.6	3841.4	3313.9	2886.1	2768.2	2733.8	2717.5	2672.1	2670.3	2635.9	2396.6
35°	3681.9	3371.9	2773.7	2657.6	2623.2	2590.6	2563.4	1720.4	203.0	81.6	70.7
37.5°	3402.7	2817.2	2565.2	2512.6	2480.0	1832.8	183.1	63.4	45.3	32.6	29.0
40°	2884.2	2516.2	2436.5	2378.5	980.8	63.4	39.9	30.8	18.1	16.3	14.5
42.5°	2432.8	2371.2	2286.0	696.1	72.5	30.8	19.9	14.5	12.7	12.7	10.9
45°	2276.9	2222.6	920.9	68.9	45.3	14.5	12.7	12.7	10.9	7.3	7.3
47.5°	2131.9	1876.3	83.4	43.5	29.0	12.7	10.9	7.3	7.3	7.3	5.4
50°	1977.8	103.3	58.0	32.6	18.1	7.3	7.3	7.3	7.3	5.4	5.4
52.5°	369.8	72.5	47.1	29.0	9.1	7.3	7.3	7.3	5.4	5.4	5.4
55°	87.0	58.0	43.5	25.4	7.3	7.3	7.3	5.4	5.4	5.4	3.6
57.5°	65.3	43.5	34.4	23.6	7.3	5.4	5.4	5.4	5.4	5.4	3.6
60°	54.4	30.8	27.2	21.8	5.4	5.4	5.4	5.4	5.4	5.4	3.6
62.5°	38.1	25.4	19.9	16.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4
65°	30.8	19.9	16.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
67.5°	27.2	16.3	10.9	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
70°	21.8	5.4	5.4	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
72.5°	18.1	5.4	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
75°	18.1	9.1	3.6	3.6	5.4	5.4	7.3	7.3	5.4	5.4	5.4
77.5°	12.7	9.1	3.6	3.6	5.4	5.4	7.3	7.3	5.4	5.4	5.4
80°	7.3	9.1	3.6	5.4	5.4	10.9	12.7	7.3	5.4	5.4	5.4
82.5°	7.3	9.1	10.9	10.9	5.4	9.1	10.9	9.1	7.3	5.4	5.4
85°	7.3	5.4	7.3	9.1	5.4	9.1	9.1	7.3	7.3	5.4	5.4
87.5°	3.6	5.4	5.4	7.3	7.3	7.3	9.1	7.3	7.3	7.3	5.4
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6636.9	6644.1	6529.9	6490.0	6524.5	6517.2	6486.4	6372.2	6359.5	6283.3	6172.8
5°	6343.2	6392.1	6332.3	6435.6	6386.7	6435.6	6584.3	6653.2	6765.6	6834.5	6859.8
7.5°	6138.3	6149.2	6149.2	6158.3	6167.3	6169.1	6158.3	6151.0	6120.2	6082.1	6151.0
10°	5890.0	5902.7	5924.4	5920.8	5919.0	5957.0	5966.1	6044.1	6040.4	6054.9	6107.5
12.5°	5761.2	5663.4	5752.2	5728.6	5761.2	5710.5	5804.8	5788.4	5793.9	5837.4	5949.8
15°	5547.3	5578.1	5599.9	5599.9	5612.6	5601.7	5590.8	5665.2	5710.5	5712.3	5705.0
17.5°	5135.8	4902.0	5141.3	5079.6	5570.9	5583.6	5541.9	5507.4	5507.4	5534.6	5592.7
20°	4408.9	4414.3	4416.1	4439.7	4468.7	4466.9	4468.7	5182.9	5522.0	5444.0	5391.4
22.5°	3865.0	3797.9	3923.0	3914.0	4069.9	4242.1	4407.0	4390.7	4401.6	4905.6	5358.8
25°	3098.2	3185.2	3114.5	3145.3	3321.1	3526.0	3652.9	3984.7	4345.4	4320.0	4437.9
27.5°	2916.9	2893.3	2925.9	2925.9	2949.5	2976.7	3047.4	3234.1	3555.0	3892.2	4211.3
30°	2744.7	2764.6	2768.2	2800.9	2819.0	2837.1	2848.0	2918.7	2991.2	3225.1	3618.5
32.5°	2061.2	1807.4	2378.5	2532.6	2663.1	2693.9	2715.7	2744.7	2797.2	2831.7	3029.3
35°	59.8	59.8	63.4	72.5	92.5	623.6	2374.8	2617.8	2652.2	2695.7	2732.0
37.5°	29.0	21.8	25.4	27.2	32.6	45.3	65.3	203.0	2260.6	2556.1	2596.0
40°	12.7	12.7	12.7	12.7	14.5	18.1	27.2	45.3	68.9	1818.3	2452.8
42.5°	10.9	10.9	10.9	10.9	10.9	10.9	12.7	16.3	32.6	78.0	1287.1
45°	7.3	7.3	5.4	7.3	7.3	9.1	10.9	10.9	14.5	48.9	88.8
47.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	9.1	10.9	32.6	47.1
50°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	25.4	32.6
52.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	10.9	29.0
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4	7.3	25.4
57.5°	3.6	3.6	3.6	3.6	3.6	5.4	3.6	3.6	5.4	5.4	23.6
60°	3.6	3.6	3.6	3.6	3.6	5.4	5.4	5.4	5.4	5.4	21.8
62.5°	5.4	5.4	3.6	5.4	3.6	3.6	5.4	5.4	5.4	5.4	14.5
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	5.4
67.5°	5.4	5.4	5.4	5.4	3.6	5.4	3.6	5.4	5.4	3.6	3.6
70°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6
75°	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3	3.6	3.6	3.6
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	9.1	10.9	9.1	9.1	3.6
80°	5.4	5.4	5.4	5.4	5.4	5.4	9.1	9.1	9.1	9.1	12.7
82.5°	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3	7.3	7.3	9.1
85°	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3	7.3	5.4	7.3
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3	5.4	5.4	5.4
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6181.8	6120.2	6100.3	6058.6	6054.9	6058.6	6049.5	6036.8	6044.1	6031.4	6020.5
5°	6874.3	6709.4	6602.4	6459.2	6261.6	6218.1	6207.2	6145.6	6123.8	6116.6	6087.6
7.5°	6314.2	6615.1	6796.4	6858.0	6626.0	6571.6	6508.1	6457.4	6408.4	6316.0	6259.8
10°	6065.8	6080.3	6254.3	6457.4	6787.3	6832.6	6867.1	6756.5	6725.7	6490.0	6439.3
12.5°	6007.8	6009.6	6029.6	6152.8	6412.1	6441.1	6562.5	6627.8	6707.6	6752.9	6716.6
15°	5743.1	5890.0	5998.7	6009.6	6033.2	6083.9	6120.2	6346.8	6442.9	6700.3	6685.8
17.5°	5619.8	5667.0	5824.7	5953.4	5931.7	5913.5	5942.5	5973.4	6065.8	6323.2	6319.6
20°	5415.0	5565.5	5650.7	5784.8	5906.3	5911.7	5879.1	5861.0	5824.7	5866.4	5904.5
22.5°	5328.0	5351.5	5511.1	5605.3	5743.1	5792.1	5799.3	5801.1	5781.2	5759.4	5748.6
25°	5318.9	5244.6	5326.2	5444.0	5545.5	5598.1	5657.9	5677.9	5670.6	5670.6	5659.7
27.5°	4352.7	5221.0	5177.5	5255.5	5378.7	5415.0	5445.8	5507.4	5545.5	5572.7	5585.4
30°	4146.0	4301.9	5061.5	5072.4	5197.5	5193.8	5228.3	5279.0	5328.0	5391.4	5407.7
32.5°	3667.4	4049.9	4633.7	4889.3	5019.8	5032.5	5050.6	5065.1	5110.4	5181.1	5242.8
35°	2938.6	3689.2	3970.1	4802.2	4825.8	4851.2	4862.1	4896.5	4911.0	4940.0	4994.4
37.5°	2659.5	3049.2	3808.8	4153.2	4602.8	4624.6	4682.6	4697.1	4720.7	4744.2	4785.9
40°	2498.1	2605.1	3170.7	3709.1	4423.4	4437.9	4457.8	4494.1	4495.9	4523.1	4561.1
42.5°	2369.4	2438.3	2603.3	3542.3	4296.5	4294.6	4247.5	4271.1	4282.0	4311.0	4363.5
45°	1892.6	2287.8	2393.0	2893.3	3420.9	3667.4	4140.6	4062.6	4060.8	4071.7	4127.9
47.5°	96.1	2151.9	2226.2	2387.5	3230.5	3239.6	3301.2	3819.7	3899.4	3874.1	3879.5
50°	65.3	148.7	2073.9	2148.2	2784.5	3009.3	3054.7	3078.2	3377.3	3710.9	3656.5
52.5°	50.8	85.2	1270.8	1994.1	2262.4	2427.4	2719.3	2886.1	2904.2	3038.3	3493.4
55°	45.3	65.3	137.8	1840.0	1923.4	1959.7	2130.1	2422.0	2657.6	2728.3	2733.8
57.5°	39.9	59.8	94.3	832.1	1749.4	1756.7	1785.7	1887.2	2099.3	2293.3	2512.6
60°	36.3	52.6	74.3	143.2	1589.9	1608.0	1613.4	1640.6	1666.0	1798.4	2050.3
62.5°	21.8	41.7	65.3	103.3	1258.1	1444.8	1443.0	1461.2	1484.7	1499.2	1550.0
65°	18.1	32.6	56.2	87.0	154.1	192.2	1167.5	1298.0	1312.5	1332.4	1341.5
67.5°	16.3	29.0	41.7	68.9	116.0	132.3	152.3	188.5	1029.7	1160.2	1178.4
70°	14.5	19.9	34.4	58.0	94.3	101.5	114.2	130.5	154.1	190.3	931.8
72.5°	9.1	14.5	23.6	41.7	72.5	81.6	88.8	99.7	110.6	132.3	152.3
75°	3.6	10.9	19.9	30.8	56.2	61.6	67.1	74.3	83.4	97.9	108.8
77.5°	3.6	9.1	16.3	21.8	36.3	41.7	48.9	54.4	61.6	68.9	79.8
80°	12.7	7.3	10.9	16.3	25.4	27.2	30.8	34.4	39.9	45.3	52.6
82.5°	9.1	10.9	12.7	10.9	12.7	16.3	18.1	21.8	23.6	27.2	29.0
85°	7.3	7.3	9.1	9.1	9.1	9.1	9.1	9.1	10.9	12.7	16.3
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6020.5	6016.9	6006.0	6006.0	6004.2	6011.4	6016.9	6022.3	6020.5	6031.4	6020.5
5°	6065.8	6056.7	6040.4	6025.9	6020.5	6024.1	6018.7	6024.1	6016.9	6025.9	6009.6
7.5°	6190.9	6160.1	6096.6	6071.2	6038.6	6036.8	6020.5	6016.9	6006.0	6006.0	5986.0
10°	6412.1	6263.4	6245.3	6169.1	6141.9	6009.6	6038.6	5989.7	5984.2	5960.7	5951.6
12.5°	6593.3	6477.3	6442.9	6375.8	6299.7	6031.4	6091.2	5986.0	5980.6	5933.5	5884.5
15°	6597.0	6664.0	6569.8	6384.9	6368.6	6183.6	6062.2	6025.9	5978.8	5837.4	5861.0
17.5°	6384.9	6539.0	6584.3	6544.4	6428.4	6303.3	6132.9	6060.4	5919.0	5855.5	5812.0
20°	6040.4	6196.3	6390.3	6403.0	6475.5	6386.7	6163.7	6045.9	5875.5	5764.9	5728.6
22.5°	5766.7	5880.9	6103.9	6207.2	6296.0	6326.9	6185.5	6011.4	5799.3	5692.4	5670.6
25°	5621.7	5647.0	5714.1	5835.6	6031.4	6172.8	6192.7	6007.8	5897.2	5663.4	5540.1
27.5°	5569.1	5547.3	5520.1	5581.8	5728.6	5900.8	6015.0	6045.9	5770.3	5547.3	5424.1
30°	5434.9	5447.6	5405.9	5384.2	5480.3	5657.9	5861.0	5911.7	5699.6	5469.4	5328.0
32.5°	5270.0	5291.7	5299.0	5260.9	5241.0	5364.2	5583.6	5705.0	5694.2	5358.8	5201.1
35°	5063.3	5124.9	5141.3	5143.1	5110.4	5090.5	5217.4	5469.4	5565.5	5308.0	5079.6
37.5°	4845.8	4863.9	4952.7	4976.3	4976.3	4916.5	5010.7	5212.0	5346.1	5193.8	4931.0
40°	4573.8	4631.8	4715.2	4756.9	4798.6	4804.1	4751.5	4892.9	5114.1	5076.0	4791.4
42.5°	4376.2	4414.3	4465.1	4521.3	4606.5	4628.2	4573.8	4599.2	4829.4	4929.1	4610.1
45°	4146.0	4196.8	4211.3	4272.9	4361.7	4425.2	4423.4	4370.8	4555.7	4679.0	4477.7
47.5°	3910.3	3959.3	3984.7	4015.5	4080.7	4162.3	4207.6	4184.1	4220.3	4461.4	4301.9
50°	3667.4	3694.6	3745.4	3779.8	3823.3	3870.4	3979.2	4001.0	3950.2	4142.4	4107.9
52.5°	3437.2	3446.2	3480.7	3515.1	3573.1	3607.6	3694.6	3759.9	3756.2	3812.4	3892.2
55°	3257.7	3217.8	3225.1	3252.3	3290.3	3342.9	3391.8	3493.4	3527.8	3538.7	3665.6
57.5°	2545.2	2955.0	2991.2	2989.4	3034.7	3058.3	3103.6	3170.7	3294.0	3266.8	3408.2
60°	2313.2	2358.5	2701.2	2741.0	2757.3	2779.1	2833.5	2895.1	2985.8	3043.8	3105.4
62.5°	1763.9	2039.5	2142.8	2445.5	2492.7	2505.4	2541.6	2570.6	2664.9	2797.2	2771.9
65°	1365.1	1482.9	1798.4	1921.6	2179.0	2211.7	2262.4	2293.3	2320.5	2472.7	2480.0
67.5°	1180.2	1198.3	1283.5	1521.0	1684.1	1936.1	1966.9	1994.1	2035.8	2144.6	2211.7
70°	1007.9	1029.7	1053.3	1073.2	1285.3	1452.1	1686.0	1695.0	1722.2	1794.7	1947.0
72.5°	190.3	861.1	875.6	888.3	911.9	1022.4	1245.4	1426.7	1437.6	1472.0	1611.6
75°	128.7	150.5	206.7	710.6	734.2	741.5	779.5	1006.1	1172.9	1180.2	1241.8
77.5°	92.5	103.3	125.1	148.7	378.9	569.2	578.3	620.0	792.2	917.3	928.2
80°	63.4	70.7	83.4	94.3	116.0	152.3	420.6	433.3	455.0	627.2	659.9
82.5°	36.3	41.7	48.9	59.8	68.9	87.0	112.4	145.0	295.5	315.4	418.8
85°	18.1	19.9	23.6	29.0	34.4	41.7	56.2	68.9	94.3	170.4	175.8
87.5°	9.1	9.1	9.1	9.1	14.5	16.3	19.9	25.4	32.6	48.9	63.4
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6022.3	6047.7	6069.4	6074.9	6074.9	6078.5	6083.9	6087.6	6091.2	6094.8	6091.2
5°	6011.4	6038.6	6056.7	6062.2	6062.2	6073.1	6082.1	6093.0	6098.4	6098.4	6094.8
7.5°	5984.2	6004.2	6027.7	6042.2	6044.1	6062.2	6078.5	6076.7	6083.9	6087.6	6096.6
10°	5948.0	5948.0	5987.9	5998.7	6007.8	6027.7	6033.2	6044.1	6069.4	6073.1	6096.6
12.5°	5929.8	5911.7	5958.8	5964.3	5995.1	5969.7	6002.4	6013.2	5987.9	6022.3	5977.0
15°	5848.3	5870.0	5862.8	5879.1	5933.5	5904.5	5993.3	5964.3	6029.6	5951.6	6089.4
17.5°	5781.2	5777.6	5806.6	5821.1	5831.9	5893.6	5917.2	5949.8	5975.2	5953.4	6007.8
20°	5732.2	5703.2	5725.0	5741.3	5779.4	5826.5	5841.0	5792.1	5877.3	6022.3	6056.7
22.5°	5639.8	5619.8	5645.2	5645.2	5703.2	5696.0	5750.4	5719.6	5799.3	5967.9	6143.8
25°	5514.7	5516.5	5543.7	5576.3	5587.2	5668.8	5697.8	5737.7	5837.4	6038.6	6145.6
27.5°	5387.8	5376.9	5393.2	5460.3	5516.5	5576.3	5585.4	5721.4	5857.3	5995.1	6089.4
30°	5260.9	5250.0	5260.9	5309.8	5376.9	5416.8	5516.5	5697.8	5824.7	5919.0	6007.8
32.5°	5124.9	5114.1	5139.4	5175.7	5293.5	5299.0	5496.6	5667.0	5766.7	5835.6	5819.3
35°	4979.9	4965.4	4989.0	5045.2	5153.9	5193.8	5400.5	5527.4	5639.8	5672.4	5596.3
37.5°	4805.9	4780.5	4809.5	4887.5	5001.7	5117.7	5289.9	5436.7	5496.6	5409.6	5318.9
40°	4624.6	4606.5	4657.2	4697.1	4831.3	4992.6	5190.2	5293.5	5255.5	5155.8	5056.0
42.5°	4463.2	4425.2	4470.5	4546.6	4698.9	4882.0	5041.5	5099.6	5008.9	4862.1	4746.0
45°	4265.6	4220.3	4274.7	4376.2	4539.4	4747.9	4872.9	4853.0	4698.9	4572.0	4412.5
47.5°	4059.0	4004.6	4059.0	4180.4	4363.5	4584.7	4675.3	4584.7	4390.7	4231.2	4102.5
50°	3855.9	3792.5	3845.1	4028.2	4207.6	4378.0	4376.2	4200.4	4084.4	3910.3	3797.9
52.5°	3654.7	3564.1	3616.6	3816.1	3995.5	4189.5	4046.3	3883.1	3743.5	3591.3	3555.0
55°	3406.4	3308.5	3379.2	3669.2	3807.0	3921.2	3692.8	3549.6	3411.8	3335.7	3290.3
57.5°	3170.7	3063.7	3125.4	3468.0	3569.5	3598.5	3388.2	3185.2	3103.6	3078.2	3013.0
60°	2927.8	2806.3	2864.3	3259.5	3330.2	3212.4	3005.7	2848.0	2831.7	2780.9	2730.2
62.5°	2695.7	2561.6	2597.8	3000.3	3032.9	2819.0	2628.6	2586.9	2547.1	2496.3	2469.1
65°	2429.2	2289.6	2340.4	2724.7	2693.9	2418.3	2311.4	2302.3	2249.8	2208.1	2247.9
67.5°	2184.5	2019.5	2090.2	2423.8	2284.2	2059.4	2015.9	1994.1	1952.4	1976.0	1557.2
70°	1916.2	1736.7	1832.8	2099.3	1892.6	1744.0	1727.6	1695.0	1696.8	1348.8	1136.7
72.5°	1617.1	1461.2	1600.7	1744.0	1497.4	1453.9	1430.3	1426.7	1151.2	935.4	882.9
75°	1354.2	1196.5	1347.0	1401.3	1192.9	1163.9	1162.0	960.8	756.0	721.5	705.2
77.5°	1056.9	935.4	1078.6	997.1	915.5	882.9	792.2	594.6	569.2	545.7	204.9
80°	712.5	721.5	804.9	687.1	652.6	556.5	438.7	420.6	362.6	145.0	114.2
82.5°	433.3	543.9	513.0	429.6	420.6	302.7	277.4	141.4	105.1	83.4	72.5
85°	224.8	275.6	264.7	233.9	174.0	155.9	87.0	67.1	54.4	41.7	34.4
87.5°	76.1	101.5	97.9	78.0	59.8	47.1	30.8	25.4	18.1	14.5	12.7
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6087.6	6087.6	6083.9	6087.6	6089.4	6085.7	6085.7	6089.4	6091.2	6093.0	6102.1
5°	6096.6	6100.3	6105.7	6116.6	6118.4	6140.1	6149.2	6154.6	6160.1	6161.9	6149.2
7.5°	6116.6	6129.3	6140.1	6138.3	6125.6	6091.2	6080.3	6071.2	6087.6	6129.3	6178.2
10°	6134.7	6076.7	5967.9	6116.6	6071.2	6112.9	6236.2	6263.4	6346.8	6464.6	6499.1
12.5°	6009.6	6169.1	6203.6	6036.8	6345.0	6230.8	6366.7	6486.4	6520.8	6640.5	6568.0
15°	6143.8	6221.7	6274.3	6441.1	6422.9	6520.8	6558.9	6535.3	6540.8	6571.6	6653.2
17.5°	6141.9	6297.9	6332.3	6444.7	6520.8	6522.6	6511.8	6500.9	6529.9	6553.5	6504.5
20°	6247.1	6297.9	6364.9	6410.2	6424.8	6442.9	6477.3	6450.1	6395.7	6343.2	6321.4
22.5°	6194.5	6308.7	6366.7	6374.0	6364.9	6308.7	6258.0	6181.8	6156.4	6129.3	6138.3
25°	6205.4	6258.0	6250.7	6221.7	6183.6	6078.5	6053.1	6020.5	5971.5	5853.7	5746.7
27.5°	6127.4	6100.3	6067.6	5996.9	5928.0	5871.8	5808.4	5703.2	5616.2	5489.3	5442.2
30°	5996.9	5888.1	5808.4	5766.7	5699.6	5605.3	5509.3	5380.5	5270.0	5244.6	5221.0
32.5°	5746.7	5639.8	5574.5	5473.0	5358.8	5246.4	5135.8	5085.1	5061.5	5065.1	5043.4
35°	5491.1	5396.9	5299.0	5146.7	5061.5	4949.1	4909.2	4898.3	4876.6	4853.0	4827.6
37.5°	5219.2	5108.6	4961.8	4871.1	4785.9	4740.6	4720.7	4704.4	4666.3	4624.6	4595.6
40°	4956.3	4756.9	4675.3	4586.5	4561.1	4541.2	4512.2	4472.3	4419.7	4412.5	4399.8
42.5°	4604.6	4461.4	4390.7	4372.6	4341.8	4307.3	4282.0	4238.5	4216.7	4231.2	4242.1
45°	4271.1	4198.6	4175.0	4153.2	4095.2	4046.3	4030.0	4015.5	4033.6	4113.4	3923.0
47.5°	4001.0	3972.0	3943.0	3906.7	3852.3	3816.1	3832.4	3846.9	3863.2	3277.6	2991.2
50°	3767.1	3727.2	3681.9	3642.0	3609.4	3605.8	3691.0	3435.4	2877.0	2862.5	2572.4
52.5°	3511.5	3451.7	3424.5	3400.9	3415.4	3469.8	2871.6	2664.9	2556.1	2220.7	2072.1
55°	3235.9	3183.4	3183.4	3205.1	3127.2	2534.4	2503.6	2164.5	1959.7	1901.7	1878.1
57.5°	2960.4	2955.0	2985.8	2730.2	2300.5	2206.2	1854.5	1780.2	1747.6	1740.3	1702.3
60°	2708.4	2759.2	2309.6	2124.7	1847.3	1666.0	1615.3	1606.2	1571.7	1559.1	1524.6
62.5°	2507.2	2079.3	1936.1	1580.8	1488.4	1464.8	1437.6	1424.9	1394.1	1230.9	360.8
65°	1811.0	1711.3	1388.6	1328.8	1321.6	1287.1	1276.2	1147.5	270.1	181.3	154.1
67.5°	1366.9	1212.8	1171.1	1160.2	1125.8	1056.9	313.6	179.5	154.1	134.2	117.8
70°	1049.6	1022.4	991.6	966.3	284.6	177.7	154.1	130.5	112.4	99.7	90.6
72.5°	859.3	841.2	489.5	186.7	152.3	128.7	114.2	99.7	87.0	79.8	72.5
75°	672.6	186.7	154.1	128.7	110.6	94.3	83.4	74.3	67.1	61.6	56.2
77.5°	152.3	123.3	105.1	88.8	79.8	70.7	63.4	54.4	48.9	43.5	36.3
80°	94.3	81.6	68.9	63.4	54.4	45.3	39.9	36.3	29.0	27.2	23.6
82.5°	61.6	48.9	43.5	36.3	29.0	27.2	23.6	18.1	16.3	14.5	12.7
85°	27.2	23.6	19.9	16.3	12.7	10.9	9.1	7.3	7.3	7.3	7.3
87.5°	9.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6105.7	6138.3	6169.1	6160.1	6127.4	6076.7	6062.2	6042.2	6056.7	6087.6	6100.3
5°	6149.2	6131.1	6196.3	6292.4	6448.3	6462.8	6571.6	6597.0	6684.0	6738.4	6736.6
7.5°	6210.8	6468.3	6575.2	6691.2	6743.8	6731.1	6747.4	6734.8	6714.8	6705.7	6694.9
10°	6524.5	6720.2	6760.1	6760.1	6678.6	6568.0	6520.8	6439.3	6276.1	6279.7	6252.5
12.5°	6707.6	6776.4	6682.2	6602.4	6274.3	6147.4	6009.6	5944.3	5906.3	5848.3	5870.0
15°	6611.5	6513.6	6457.4	6200.0	5998.7	5770.3	5773.9	5734.1	5692.4	5696.0	5668.8
17.5°	6470.1	6392.1	5993.3	5815.6	5717.7	5628.9	5612.6	5560.0	5532.8	5523.8	5522.0
20°	6276.1	5995.1	5697.8	5654.3	5536.5	5434.9	5418.6	5434.9	5518.3	5369.7	4865.7
22.5°	6049.5	5645.2	5558.2	5434.9	5355.2	5315.3	5415.0	4961.8	4276.5	4359.9	4271.1
25°	5665.2	5489.3	5340.7	5246.4	5237.3	4992.6	4160.5	4073.5	3633.0	3397.3	3132.6
27.5°	5384.2	5308.0	5152.1	5135.8	5018.0	4082.5	3649.3	3170.7	2994.8	2967.6	2909.6
30°	5213.8	5105.0	5010.7	4599.2	4004.6	3286.7	2927.8	2860.7	2829.9	2797.2	2746.5
32.5°	5008.9	4905.6	4950.9	3866.8	3192.4	2829.9	2757.3	2708.4	2652.2	2630.5	2447.4
35°	4800.4	4753.3	3868.6	3250.4	2744.7	2657.6	2603.3	2552.5	2030.4	491.3	166.8
37.5°	4577.5	4566.6	3477.1	2697.5	2570.6	2489.0	2335.0	482.2	114.2	78.0	58.0
40°	4403.4	3478.9	2748.3	2528.9	2425.6	2296.9	322.7	79.8	50.8	30.8	19.9
42.5°	4287.4	3129.0	2460.0	2373.0	2148.2	237.5	81.6	34.4	19.9	16.3	12.7
45°	3304.8	2470.9	2298.7	2208.1	271.9	81.6	47.1	16.3	12.7	10.9	7.3
47.5°	3049.2	2244.3	2142.8	482.2	90.6	43.5	32.6	10.9	7.3	7.3	7.3
50°	2309.6	2073.9	1705.9	117.8	58.0	30.8	23.6	7.3	7.3	7.3	5.4
52.5°	2025.0	1914.4	183.1	78.0	45.3	23.6	14.5	5.4	5.4	5.4	5.4
55°	1850.9	1214.6	108.8	59.8	38.1	21.8	9.1	5.4	5.4	5.4	3.6
57.5°	1693.2	163.2	79.8	50.8	34.4	19.9	5.4	5.4	5.4	5.4	3.6
60°	1435.8	117.8	65.3	45.3	32.6	18.1	5.4	5.4	5.4	5.4	5.4
62.5°	186.7	92.5	56.2	39.9	23.6	14.5	3.6	5.4	5.4	5.4	5.4
65°	136.0	72.5	50.8	27.2	14.5	5.4	3.6	5.4	5.4	5.4	5.4
67.5°	105.1	59.8	38.1	23.6	12.7	3.6	3.6	5.4	5.4	5.4	5.4
70°	83.4	50.8	30.8	19.9	10.9	3.6	3.6	5.4	5.4	5.4	5.4
72.5°	65.3	36.3	21.8	10.9	7.3	3.6	3.6	5.4	5.4	5.4	5.4
75°	48.9	29.0	16.3	9.1	3.6	3.6	3.6	5.4	5.4	5.4	5.4
77.5°	32.6	18.1	12.7	7.3	7.3	7.3	9.1	9.1	5.4	5.4	5.4
80°	21.8	12.7	9.1	9.1	9.1	7.3	9.1	9.1	5.4	9.1	5.4
82.5°	10.9	9.1	9.1	7.3	7.3	5.4	7.3	7.3	7.3	7.3	5.4
85°	7.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3	5.4
87.5°	3.6	3.6	3.6	3.6	5.4	5.4	5.4	5.4	7.3	7.3	5.4
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6083.9	6089.4	6074.9	6152.8	6112.9	6116.6	6132.9	6091.2	6100.3	6071.2	6051.3
5°	6743.8	6754.7	6765.6	6769.2	6776.4	6785.5	6774.6	6769.2	6758.3	6722.1	6684.0
7.5°	6640.5	6627.8	6622.4	6629.6	6642.3	6647.7	6638.7	6651.4	6698.5	6718.4	6731.1
10°	6096.6	6038.6	6078.5	6073.1	6027.7	6180.0	6138.3	6161.9	6178.2	6345.0	6446.5
12.5°	5837.4	5873.6	5804.8	5770.3	5815.6	5846.5	5877.3	5812.0	5902.7	5861.0	5995.1
15°	5619.8	5598.1	5590.8	5592.7	5583.6	5627.1	5638.0	5652.5	5665.2	5721.4	5743.1
17.5°	5522.0	5558.2	5572.7	5583.6	5565.5	5545.5	5525.6	5496.6	5505.6	5491.1	5532.8
20°	4526.7	4405.2	4398.0	4468.7	4390.7	4434.2	4539.4	5242.8	5219.2	5492.9	5400.5
22.5°	3778.0	3663.8	3565.9	3480.7	3602.1	3652.9	3848.7	4069.9	4428.8	4372.6	4762.4
25°	3085.5	3043.8	3018.4	3005.7	3014.8	3011.1	3054.7	3158.0	3321.1	3705.5	4202.2
27.5°	2886.1	2866.1	2857.1	2828.1	2849.8	2842.6	2877.0	2898.8	2947.7	2985.8	3147.1
30°	2728.3	2704.8	2688.5	2657.6	2679.4	2681.2	2692.1	2748.3	2768.2	2800.9	2851.6
32.5°	997.1	587.4	551.1	523.9	572.9	746.9	1310.7	2291.4	2614.1	2639.5	2697.5
35°	97.9	81.6	72.5	72.5	74.3	81.6	108.8	286.4	523.9	2025.0	2534.4
37.5°	38.1	32.6	27.2	25.4	27.2	30.8	41.7	54.4	74.3	154.1	687.1
40°	16.3	14.5	12.7	12.7	12.7	12.7	14.5	18.1	27.2	50.8	79.8
42.5°	10.9	9.1	9.1	9.1	9.1	9.1	9.1	9.1	12.7	16.3	32.6
45°	7.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3	9.1	14.5
47.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3
50°	5.4	5.4	5.4	5.4	3.6	5.4	3.6	5.4	5.4	5.4	5.4
52.5°	5.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4
57.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4	3.6
65°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	3.6
67.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
70°	5.4	5.4	3.6	5.4	3.6	3.6	5.4	5.4	5.4	3.6	3.6
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	10.9	10.9	7.3
75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	9.1	10.9	9.1
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	9.1	9.1	9.1
80°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3	7.3
82.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3	7.3
85°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6016.9	6015.0	6053.1	6082.1	6071.2	6082.1	6094.8	6096.6	6100.3	6085.7	6080.3
5°	6611.5	6555.3	6446.5	6368.6	6277.9	6112.9	6031.4	6040.4	6042.2	6036.8	6044.1
7.5°	6725.7	6720.2	6682.2	6665.9	6604.2	6486.4	6297.9	6265.2	6185.5	6134.7	6093.0
10°	6439.3	6569.8	6604.2	6662.2	6698.5	6676.7	6517.2	6493.6	6442.9	6384.9	6397.6
12.5°	6129.3	6236.2	6241.7	6557.1	6627.8	6635.0	6573.4	6606.0	6613.3	6482.8	6406.6
15°	5748.6	5799.3	5906.3	6200.0	6413.9	6548.0	6587.9	6606.0	6517.2	6511.8	6481.0
17.5°	5581.8	5614.4	5663.4	5828.3	6152.8	6350.4	6519.0	6506.3	6540.8	6515.4	6437.4
20°	5371.5	5398.7	5485.7	5569.1	5728.6	5991.5	6306.9	6330.5	6375.8	6370.4	6392.1
22.5°	5367.9	5271.8	5286.3	5351.5	5518.3	5754.0	6089.4	6167.3	6196.3	6216.3	6239.8
25°	4258.4	5021.6	5161.2	5202.9	5311.7	5449.4	5844.6	5873.6	5928.0	6016.9	6082.1
27.5°	3689.2	4207.6	4766.0	5056.0	5124.9	5239.1	5474.8	5518.3	5703.2	5725.0	5826.5
30°	2911.4	3312.1	4146.0	4843.9	4958.2	5037.9	5204.7	5291.7	5371.5	5458.5	5565.5
32.5°	2739.2	2802.7	3264.9	4008.2	4896.5	4836.7	4960.0	5012.5	5099.6	5175.7	5253.6
35°	2581.5	2625.0	2722.9	3283.1	3988.3	4671.7	4755.1	4789.6	4838.5	4896.5	4952.7
37.5°	2416.5	2481.8	2548.9	2699.3	3689.2	4541.2	4539.4	4579.3	4608.3	4657.2	4704.4
40°	438.7	2278.8	2387.5	2485.4	2860.7	3622.1	4336.3	4354.5	4374.4	4405.2	4454.2
42.5°	70.7	380.7	2237.1	2331.3	2438.3	3243.2	4243.9	4169.6	4156.9	4178.6	4222.1
45°	36.3	92.5	449.6	2177.2	2273.3	2586.9	3469.8	4040.9	4028.2	3986.5	3995.5
47.5°	27.2	58.0	110.6	752.3	2128.3	2220.7	3201.5	3167.1	3408.2	3870.4	3799.7
50°	23.6	39.9	65.3	154.1	1879.9	2044.9	2465.5	2880.6	3007.5	3023.8	3578.6
52.5°	21.8	27.2	47.1	99.7	395.2	1890.8	2005.0	2150.0	2364.0	2822.6	2811.7
55°	19.9	25.4	39.9	67.1	137.8	1704.1	1821.9	1849.1	1894.4	2113.8	2403.8
57.5°	10.9	23.6	38.1	58.0	103.3	311.8	1653.3	1675.1	1711.3	1720.4	1823.7
60°	5.4	21.8	34.4	50.8	76.1	145.0	1486.5	1511.9	1533.7	1537.3	1569.9
62.5°	3.6	19.9	29.0	47.1	63.4	103.3	351.7	717.9	1365.1	1365.1	1403.1
65°	3.6	14.5	18.1	30.8	58.0	85.2	148.7	172.2	335.4	824.8	1230.9
67.5°	3.6	5.4	16.3	25.4	43.5	65.3	108.8	126.9	152.3	174.0	322.7
70°	3.6	3.6	14.5	16.3	27.2	48.9	78.0	88.8	103.3	117.8	136.0
72.5°	3.6	3.6	12.7	12.7	18.1	32.6	59.8	65.3	74.3	83.4	96.1
75°	9.1	7.3	10.9	10.9	12.7	25.4	45.3	50.8	54.4	61.6	70.7
77.5°	9.1	9.1	9.1	9.1	9.1	16.3	29.0	32.6	38.1	41.7	48.9
80°	7.3	7.3	7.3	9.1	9.1	10.9	18.1	19.9	21.8	27.2	29.0
82.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	10.9	12.7	16.3
85°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3	7.3	7.3
87.5°	5.4	5.4	5.4	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6078.5	6067.6	6058.6	6064.0	6047.7	6040.4	6045.9	6047.7	6051.3	6060.4	6062.2
5°	6062.2	6058.6	6074.9	6083.9	6080.3	6083.9	6083.9	6076.7	6065.8	6073.1	6056.7
7.5°	6051.3	6027.7	6009.6	6013.2	5995.1	6016.9	6036.8	6065.8	6074.9	6074.9	6056.7
10°	6238.0	6212.6	6111.1	6042.2	5996.9	5957.0	6051.3	5955.2	6000.5	5828.3	6025.9
12.5°	6392.1	6426.6	6381.2	6192.7	6160.1	6040.4	6109.3	5991.5	5957.0	5759.4	5822.9
15°	6453.8	6388.5	6374.0	6321.4	6250.7	6216.3	6031.4	6011.4	5955.2	5977.0	5893.6
17.5°	6399.4	6432.0	6388.5	6354.1	6281.5	6200.0	6089.4	5991.5	5913.5	5739.5	5886.3
20°	6346.8	6390.3	6259.8	6281.5	6288.8	6194.5	6136.5	6054.9	5957.0	5793.9	5667.0
22.5°	6259.8	6229.0	6239.8	6207.2	6180.0	6192.7	6112.9	6056.7	5891.8	5817.4	5645.2
25°	6118.4	6107.5	6136.5	6132.9	6067.6	6045.9	6006.0	5946.2	5880.9	5761.2	5619.8
27.5°	5888.1	5944.3	5995.1	6018.7	5984.2	5926.2	5904.5	5870.0	5824.7	5703.2	5598.1
30°	5645.2	5708.7	5766.7	5817.4	5848.3	5822.9	5802.9	5783.0	5714.1	5634.3	5516.5
32.5°	5367.9	5451.2	5531.0	5592.7	5659.7	5679.7	5665.2	5648.9	5590.8	5518.3	5424.1
35°	5047.0	5161.2	5277.2	5387.8	5416.8	5463.9	5511.1	5483.9	5453.1	5380.5	5293.5
37.5°	4775.1	4856.6	4940.0	5079.6	5181.1	5241.0	5324.4	5335.2	5282.7	5248.2	5134.0
40°	4494.1	4568.4	4689.9	4771.4	4911.0	4979.9	5068.7	5108.6	5095.9	5076.0	4976.3
42.5°	4272.9	4309.2	4388.9	4461.4	4599.2	4740.6	4818.6	4862.1	4907.4	4891.1	4840.3
45°	4037.2	4069.9	4097.0	4160.5	4294.6	4419.7	4515.8	4581.1	4662.7	4700.7	4639.1
47.5°	3803.4	3812.4	3845.1	3897.6	3977.4	4073.5	4234.8	4332.7	4408.9	4483.2	4443.3
50°	3623.9	3591.3	3596.7	3629.3	3694.6	3788.9	3904.9	4042.7	4129.7	4220.3	4229.4
52.5°	3167.1	3431.7	3368.3	3386.4	3420.9	3466.2	3587.6	3723.6	3830.6	3908.5	3986.5
55°	2657.6	2710.2	3219.6	3147.1	3168.9	3208.8	3264.9	3400.9	3504.2	3613.0	3721.8
57.5°	2061.2	2452.8	2472.7	2944.1	2933.2	2936.8	2984.0	3061.9	3165.2	3301.2	3393.7
60°	1602.6	1767.5	2088.4	2251.6	2664.9	2679.4	2706.6	2751.9	2840.7	2969.5	3116.3
62.5°	1414.0	1435.8	1550.0	1794.7	2063.0	2387.5	2445.5	2452.8	2492.7	2621.4	2791.8
65°	1241.8	1256.3	1290.8	1316.1	1540.9	1854.5	2133.7	2179.0	2204.4	2280.6	2425.6
67.5°	855.7	1082.3	1113.1	1131.2	1153.0	1298.0	1644.3	1874.5	1903.5	1970.6	2097.5
70°	165.0	342.6	937.2	957.2	968.1	1000.7	1056.9	1423.1	1615.3	1678.7	1736.7
72.5°	112.4	132.3	159.5	377.1	797.7	815.8	828.5	875.6	1200.1	1385.0	1415.8
75°	81.6	90.6	107.0	132.3	163.2	531.2	658.1	681.6	705.2	973.5	1129.4
77.5°	58.0	65.3	72.5	85.2	99.7	128.7	184.9	509.4	533.0	545.7	770.5
80°	32.6	39.9	48.9	56.2	63.4	72.5	94.3	117.8	262.9	384.3	404.3
82.5°	18.1	21.8	25.4	30.8	34.4	43.5	52.6	63.4	83.4	123.3	261.1
85°	9.1	9.1	9.1	12.7	14.5	19.9	23.6	27.2	38.1	52.6	72.5
87.5°	5.4	5.4	7.3	7.3	7.3	9.1	9.1	9.1	10.9	16.3	23.6
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-LD5-101SL-RM-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6064.0	6058.6	6058.6	6080.3	6074.9
5°	6053.1	6047.7	6045.9	6069.4	6058.6
7.5°	6044.1	6024.1	6018.7	6040.4	6031.4
10°	6007.8	5993.3	6002.4	5995.1	5991.5
12.5°	5946.2	5937.1	5899.0	5902.7	5933.5
15°	5835.6	5871.8	5806.6	5864.6	5877.3
17.5°	5632.5	5714.1	5777.6	5812.0	5817.4
20°	5723.2	5750.4	5717.7	5719.6	5741.3
22.5°	5605.3	5618.0	5627.1	5616.2	5663.4
25°	5416.8	5367.9	5473.0	5494.8	5570.9
27.5°	5358.8	5318.9	5367.9	5364.2	5427.7
30°	5311.7	5182.9	5204.7	5239.1	5317.1
32.5°	5244.6	5041.5	5019.8	5095.9	5182.9
35°	5126.7	4934.6	4883.8	4932.8	5063.3
37.5°	5027.0	4785.9	4684.4	4749.7	4920.1
40°	4878.4	4669.9	4512.2	4570.2	4771.4
42.5°	4700.7	4570.2	4327.3	4367.2	4597.4
45°	4521.3	4405.2	4147.8	4167.7	4441.5
47.5°	4338.2	4231.2	3961.1	3964.7	4242.1
50°	4158.7	4017.3	3794.3	3730.9	4030.0
52.5°	3924.8	3794.3	3625.7	3522.4	3828.7
55°	3703.7	3556.8	3433.5	3274.0	3600.3
57.5°	3487.9	3324.8	3241.4	3036.5	3341.1
60°	3192.4	3114.5	2991.2	2795.4	3107.2
62.5°	2889.7	2864.3	2739.2	2536.2	2819.0
65°	2536.2	2596.0	2467.3	2293.3	2519.9
67.5°	2202.6	2309.6	2168.2	2061.2	2231.6
70°	1847.3	1970.6	1890.8	1852.7	1925.3
72.5°	1497.4	1617.1	1624.3	1597.1	1620.7
75°	1156.6	1288.9	1361.5	1319.8	1325.2
77.5°	877.4	940.9	1020.6	1053.3	1046.0
80°	542.0	652.6	717.9	785.0	761.4
82.5°	273.7	366.2	446.0	518.5	484.0
85°	114.2	146.8	204.9	270.1	259.2
87.5°	34.4	58.0	61.6	87.0	81.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)