

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-LD5-136SL-RM-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-136SL-RM-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

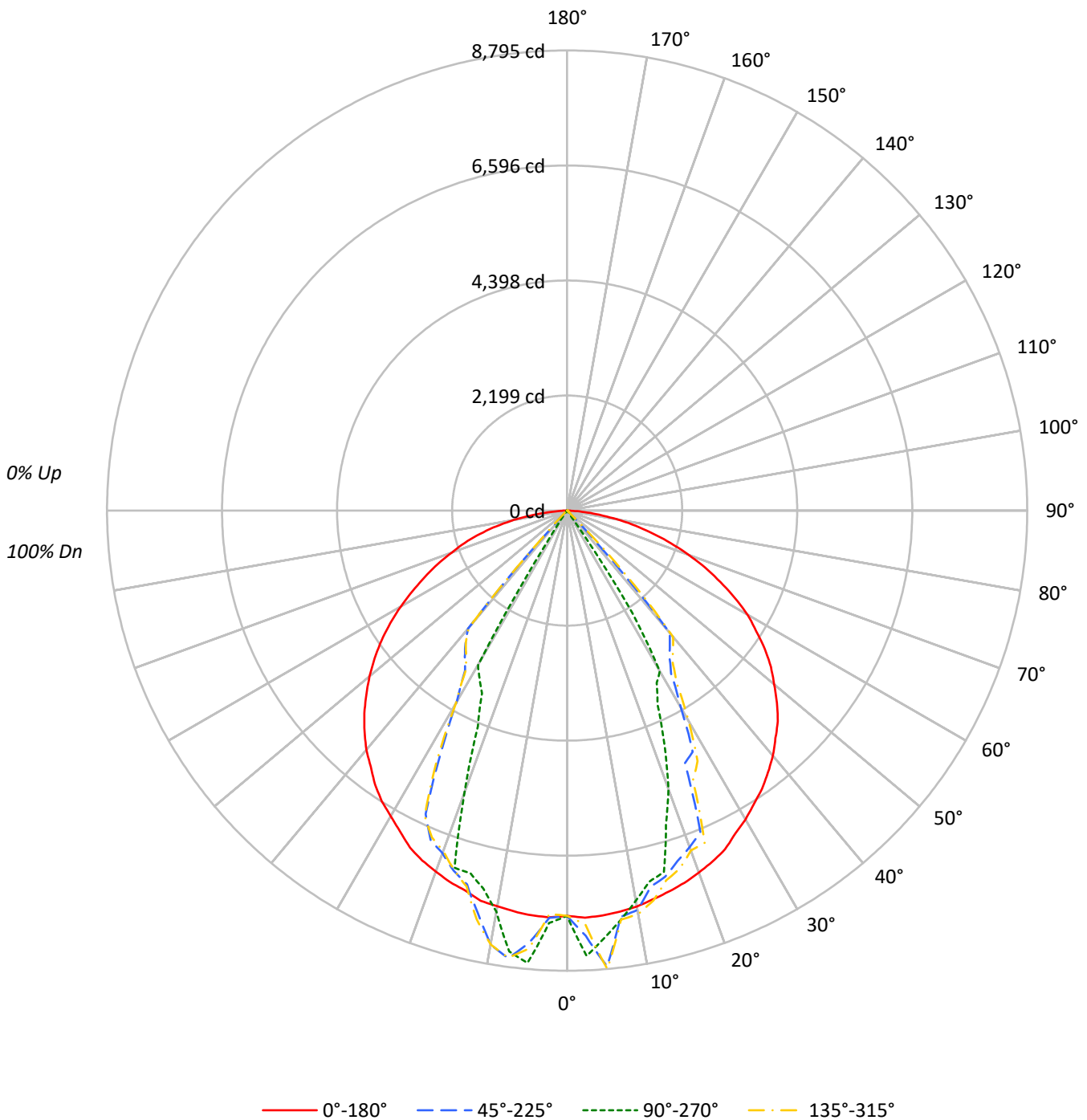
Lumens per Lamp: N/A
Luminaire Lumens: 11012.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 110
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-LD5-136SL-RM-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-RM-UNV-L935-CD1-U

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°	31292	31292	31292	31292
5°	31462	32183	31453	34081
10°	31430	29122	31411	29963
15°	31389	27182	31312	27253
20°	31472	21410	31382	21674
25°	31612	15494	31458	14621
30°	31521	13592	31188	13066
35°	31674	300	31209	363
40°	31849	65	31087	65
45°	32039	39	30835	29
50°	31884	30	30422	30
55°	31807	21	29853	21
60°	31345	23	28894	23
65°	29886	37	27758	24
70°	27961	41	26617	41
75°	25062	46	25474	46
80°	20866	52	22058	52
85°	13075	61	13346	61



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-RM-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.0	7.1
10°-20°	2119.3	19.2
20°-30°	2696.8	24.5
30°-40°	2278.1	20.7
40°-50°	1489.4	13.5
50°-60°	938.4	8.5
60°-70°	499.6	4.5
70°-80°	182.1	1.7
80°-90°	31.3	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°	5593.1	50.8
0°-40°	7871.2	71.5
0°-60°	10299.0	93.5
0°-90°	11012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11012.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7744	7744	7744	7744	7744	
5°	7768	8195	7765	8679	7768	739
15°	7535	7152	7517	7170	7535	2130
25°	7142	4084	7108	3854	7142	3285
35°	6492	77	6396	93	6492	4061
45°	5694	9	5481	7	5694	4379
55°	4616	5	4332	5	4616	4113
65°	3231	7	3001	5	3231	3200
75°	1699	7	1727	7	1699	1803
85°	332	7	339	7	332	420
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7788.6	7793.3	7795.6	7800.2	7807.2	7809.5	7814.2	7809.5	7809.5	7809.5	7809.5
5°	7767.7	7777.0	7784.0	7793.3	7809.5	7811.9	7830.5	7832.8	7842.1	7860.7	7874.6
7.5°	7732.8	7742.1	7756.1	7779.3	7802.6	7828.1	7860.7	7895.5	7944.3	7990.8	8048.9
10°	7681.7	7693.3	7709.6	7730.5	7844.4	7860.7	7932.7	8032.7	8060.6	8207.0	8316.2
12.5°	7607.3	7646.8	7688.7	7707.3	7816.5	7988.5	8230.2	8181.4	8128.0	8606.8	8599.8
15°	7535.3	7588.7	7567.8	7718.9	7818.8	8118.7	8016.4	8234.9	8634.7	8537.0	8541.7
17.5°	7458.6	7470.2	7586.4	7711.9	7890.9	8044.3	8169.8	8469.6	8548.7	8555.6	8469.6
20°	7361.0	7416.7	7586.4	7700.3	8002.5	8074.5	8346.4	8499.8	8467.3	8388.3	8241.9
22.5°	7261.0	7430.7	7602.7	7763.1	7974.6	8167.5	8302.3	8374.3	8204.7	7893.2	7725.9
25°	7142.5	7242.4	7467.9	7702.6	7967.6	8079.2	8158.2	8042.0	7821.2	7542.3	7261.0
27.5°	6958.9	7119.2	7407.4	7672.4	7911.8	8046.6	7918.8	7639.9	7284.3	7100.6	6972.8
30°	6817.1	7026.3	7263.3	7519.0	7767.7	7846.7	7521.3	7202.9	6958.9	6775.2	6747.4
32.5°	6645.1	6942.6	7168.0	7412.1	7621.3	7516.7	7200.6	6789.2	6587.0	6517.2	6545.1
35°	6491.7	6717.1	7012.3	7251.7	7402.8	7168.0	6668.3	6412.7	6315.0	6354.5	6303.4
37.5°	6308.1	6605.6	6877.5	7084.4	7033.2	6679.9	6256.9	6094.2	6105.9	6073.3	5975.7
40°	6117.5	6401.0	6684.6	6879.8	6700.9	6161.6	5880.4	5845.5	5852.5	5747.9	5608.5
42.5°	5894.3	6152.3	6435.9	6612.5	6226.7	5806.0	5615.4	5620.1	5559.6	5413.2	5338.8
45°	5694.5	5931.5	6226.7	6243.0	5768.8	5417.9	5362.1	5301.7	5166.8	5118.0	5062.3
47.5°	5438.8	5701.4	5945.5	5857.2	5320.3	5101.8	5059.9	4927.4	4860.0	4822.9	4776.4
50°	5166.8	5431.8	5654.9	5403.9	4897.2	4846.1	4709.0	4604.4	4557.9	4518.4	4476.5
52.5°	4908.9	5127.3	5355.1	4922.8	4571.8	4523.0	4367.3	4306.9	4260.4	4216.2	4206.9
55°	4616.0	4808.9	4964.6	4464.9	4260.4	4146.5	4034.9	3993.1	3948.9	3928.0	3962.9
57.5°	4283.6	4502.1	4478.9	4014.0	3923.4	3758.3	3716.5	3688.6	3656.1	3670.0	3379.5
60°	3983.8	4151.1	4037.3	3684.0	3530.6	3419.0	3381.8	3363.2	3381.8	3098.2	2724.0
62.5°	3614.2	3802.5	3572.4	3298.1	3135.4	3082.0	3049.4	3075.0	2803.1	2491.6	2401.0
65°	3230.7	3435.3	3095.9	2884.4	2782.1	2735.7	2733.3	2517.2	2249.9	2129.0	2129.0
67.5°	2861.2	3072.7	2635.7	2459.1	2419.6	2424.2	2289.4	1961.7	1887.3	1806.0	1571.2
70°	2468.4	2654.3	2177.8	2070.9	2047.7	2031.4	1703.7	1615.4	1527.0	1310.9	1292.3
72.5°	2077.9	2168.5	1750.2	1724.6	1720.0	1429.4	1364.3	1213.3	1111.0	1085.4	1073.8
75°	1699.0	1671.1	1382.9	1406.2	1185.4	1083.1	978.5	890.2	876.2	867.0	216.2
77.5°	1341.1	1201.6	1090.1	948.3	848.4	720.5	699.6	685.7	450.9	162.7	132.5
80°	976.2	778.6	725.2	615.9	525.3	504.4	516.0	158.1	125.5	104.6	90.6
82.5°	620.6	497.4	406.7	355.6	346.3	151.1	111.6	90.6	79.0	67.4	55.8
85°	332.4	220.8	204.5	172.0	102.3	69.7	58.1	44.2	37.2	30.2	27.9
87.5°	104.6	88.3	72.1	58.1	34.9	23.2	18.6	16.3	13.9	11.6	11.6
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7804.9	7809.5	7807.2	7814.2	7814.2	7823.5	7830.5	7837.4	7851.4	7858.4	7911.8
5°	7904.8	7916.5	7951.3	7983.9	8023.4	8035.0	8102.4	8118.7	8197.7	8207.0	8467.3
7.5°	8128.0	8172.1	8255.8	8339.5	8423.1	8476.6	8569.6	8627.7	8690.4	8746.2	8953.1
10°	8397.6	8472.0	8553.3	8637.0	8685.8	8788.1	8843.8	8853.1	8836.9	8746.2	8411.5
12.5°	8662.5	8736.9	8702.1	8718.3	8776.4	8595.1	8620.7	8490.6	8581.2	8132.6	7800.2
15°	8625.4	8620.7	8534.7	8255.8	8302.3	7956.0	7816.5	7709.6	7795.6	7749.1	7698.0
17.5°	8513.8	8302.3	8153.5	7818.8	7677.1	7579.4	7581.8	7584.1	7542.3	7586.4	7456.3
20°	8042.0	7804.9	7584.1	7465.5	7423.7	7354.0	7388.8	7354.0	7356.3	7370.3	7170.4
22.5°	7414.4	7342.4	7214.5	7251.7	7237.8	7300.5	7254.0	7182.0	7205.2	7100.6	6949.6
25°	7161.1	7077.4	7072.7	7086.7	7065.8	7037.9	6996.0	6886.8	6879.8	6847.3	6777.6
27.5°	6905.4	6910.0	6924.0	6882.2	6807.8	6752.0	6689.2	6635.8	6656.7	6619.5	6524.2
30°	6728.8	6726.4	6642.8	6605.6	6468.4	6470.8	6454.5	6422.0	6401.0	6403.4	6342.9
32.5°	6477.7	6405.7	6310.4	6263.9	6252.3	6210.4	6177.9	6184.9	6201.1	6143.0	6205.8
35°	6219.7	6071.0	6057.0	6017.5	5980.3	5952.5	5964.1	5917.6	5915.3	5908.3	5397.0
37.5°	5873.4	5801.4	5794.4	5752.6	5727.0	5720.0	5675.9	5682.8	5703.8	5740.9	4602.1
40°	5587.5	5522.5	5506.2	5503.9	5448.1	5443.4	5455.1	5499.2	5529.4	5297.0	4385.9
42.5°	5280.7	5285.4	5234.3	5201.7	5208.7	5229.6	5285.4	5132.0	4446.3	4237.1	4009.4
45°	5018.1	4994.9	4967.0	4957.7	5018.1	4976.3	4362.7	4025.6	3944.3	3935.0	3295.8
47.5°	4743.8	4736.9	4725.2	4732.2	4388.2	3911.7	3772.3	3728.1	3742.1	3732.8	2831.0
50°	4467.2	4476.5	4476.5	3909.4	3588.7	3509.6	3521.3	3560.8	3314.4	3093.6	2638.0
52.5°	4227.8	4155.8	3560.8	3356.2	3284.2	3319.1	3235.4	2926.3	2703.1	2573.0	2440.5
55°	3783.9	3254.0	3121.5	3089.0	3114.5	2805.4	2614.8	2414.9	2356.8	2342.9	2266.2
57.5°	2977.4	2870.5	2882.1	2751.9	2456.8	2282.4	2205.7	2177.8	2152.3	2133.7	185.9
60°	2633.4	2663.6	2438.2	2159.2	2040.7	2017.5	1998.9	1973.3	1968.7	1936.1	118.5
62.5°	2410.3	2119.7	1924.5	1854.8	1826.9	1819.9	1785.0	1773.4	1506.1	206.9	88.3
65°	1817.6	1699.0	1661.9	1645.6	1615.4	1615.4	1341.1	211.5	172.0	148.8	79.0
67.5°	1482.9	1473.6	1455.0	1434.1	976.2	204.5	179.0	155.7	134.8	118.5	69.7
70°	1255.1	1250.5	1138.9	209.2	174.3	153.4	134.8	120.9	111.6	99.9	62.8
72.5°	1029.7	209.2	176.6	153.4	132.5	120.9	109.2	97.6	88.3	81.3	51.1
75°	160.4	141.8	125.5	113.9	104.6	93.0	83.7	76.7	74.4	65.1	34.9
77.5°	116.2	99.9	90.6	81.3	72.1	65.1	55.8	48.8	44.2	37.2	25.6
80°	81.3	72.1	65.1	53.5	46.5	39.5	34.9	30.2	27.9	23.2	11.6
82.5°	46.5	39.5	34.9	27.9	25.6	20.9	18.6	16.3	16.3	11.6	11.6
85°	20.9	20.9	16.3	13.9	11.6	11.6	11.6	9.3	9.3	7.0	7.0
87.5°	9.3	9.3	9.3	9.3	9.3	7.0	7.0	7.0	7.0	7.0	4.6
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7986.2	8016.4	8074.5	8134.9	8067.5	8309.3	8290.7	8372.0	8416.2	8437.1	8485.9
5°	8697.4	8832.2	8876.4	8743.9	8667.2	8588.2	8409.2	8274.4	8290.7	8246.5	8086.1
7.5°	8683.5	8395.3	8007.1	7830.5	7816.5	7795.6	7851.4	7883.9	7888.6	7886.2	7881.6
10°	7949.0	7800.2	7774.7	7751.4	7760.7	7674.7	7635.2	7523.7	7584.1	7551.5	7563.2
12.5°	7725.9	7691.0	7553.9	7363.3	7477.2	7391.2	7342.4	7374.9	7337.7	7302.9	7291.2
15°	7593.4	7367.9	7291.2	7244.7	7212.2	7193.6	7209.9	7172.7	7161.1	7154.1	7170.4
17.5°	7319.1	7228.5	7144.8	7021.6	7023.9	7017.0	7063.5	7133.2	7137.8	6779.9	6456.8
20°	7103.0	7028.6	6921.7	6845.0	6949.6	6763.6	6045.4	5703.8	5650.3	5650.3	5659.6
22.5°	6931.0	6765.9	6772.9	6652.1	5673.5	5473.7	5478.3	5499.2	5403.9	5078.5	5043.7
25°	6696.2	6670.7	6161.6	5324.9	5331.9	5176.1	4936.7	4599.7	4234.8	4234.8	4174.4
27.5°	6519.6	5978.0	5234.3	5199.4	4676.4	4346.4	4141.8	3832.7	3790.9	3751.4	3756.0
30°	6368.5	5057.6	5076.2	4346.4	3960.6	3686.3	3670.0	3618.9	3593.3	3586.3	3560.8
32.5°	5034.4	4925.1	4248.8	3700.2	3549.2	3505.0	3484.1	3426.0	3423.6	3379.5	3072.7
35°	4720.6	4323.1	3556.1	3407.4	3363.2	3321.4	3286.5	2205.7	260.3	104.6	90.6
37.5°	4362.7	3611.9	3288.8	3221.4	3179.6	2349.8	234.8	81.3	58.1	41.8	37.2
40°	3697.9	3226.1	3123.8	3049.4	1257.4	81.3	51.1	39.5	23.2	20.9	18.6
42.5°	3119.2	3040.1	2930.9	892.5	93.0	39.5	25.6	18.6	16.3	16.3	13.9
45°	2919.3	2849.6	1180.7	88.3	58.1	18.6	16.3	16.3	13.9	9.3	9.3
47.5°	2733.3	2405.6	106.9	55.8	37.2	16.3	13.9	9.3	9.3	9.3	7.0
50°	2535.8	132.5	74.4	41.8	23.2	9.3	9.3	9.3	9.3	7.0	7.0
52.5°	474.2	93.0	60.4	37.2	11.6	9.3	9.3	9.3	7.0	7.0	7.0
55°	111.6	74.4	55.8	32.5	9.3	9.3	9.3	7.0	7.0	7.0	4.6
57.5°	83.7	55.8	44.2	30.2	9.3	7.0	7.0	7.0	7.0	7.0	4.6
60°	69.7	39.5	34.9	27.9	7.0	7.0	7.0	7.0	7.0	7.0	4.6
62.5°	48.8	32.5	25.6	20.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0
65°	39.5	25.6	20.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
67.5°	34.9	20.9	13.9	4.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0
70°	27.9	7.0	7.0	4.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0
72.5°	23.2	7.0	4.6	4.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0
75°	23.2	11.6	4.6	4.6	7.0	7.0	9.3	9.3	7.0	7.0	7.0
77.5°	16.3	11.6	4.6	4.6	7.0	7.0	9.3	9.3	7.0	7.0	7.0
80°	9.3	11.6	4.6	7.0	7.0	13.9	16.3	9.3	7.0	7.0	7.0
82.5°	9.3	11.6	13.9	13.9	7.0	11.6	13.9	11.6	9.3	7.0	7.0
85°	9.3	7.0	9.3	11.6	7.0	11.6	11.6	9.3	9.3	7.0	7.0
87.5°	4.6	7.0	7.0	9.3	9.3	9.3	11.6	9.3	9.3	9.3	7.0
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	8509.1	8518.4	8372.0	8320.9	8365.0	8355.7	8316.2	8169.8	8153.5	8055.9	7914.1
5°	8132.6	8195.4	8118.7	8251.2	8188.4	8251.2	8441.7	8530.1	8674.2	8762.5	8795.0
7.5°	7870.0	7883.9	7883.9	7895.5	7907.2	7909.5	7895.5	7886.2	7846.7	7797.9	7886.2
10°	7551.5	7567.8	7595.7	7591.1	7588.7	7637.5	7649.2	7749.1	7744.5	7763.1	7830.5
12.5°	7386.5	7261.0	7374.9	7344.7	7386.5	7321.4	7442.3	7421.4	7428.4	7484.1	7628.2
15°	7112.3	7151.8	7179.7	7179.7	7195.9	7182.0	7168.0	7263.3	7321.4	7323.8	7314.5
17.5°	6584.7	6284.8	6591.6	6512.6	7142.5	7158.7	7105.3	7061.1	7061.1	7096.0	7170.4
20°	5652.6	5659.6	5661.9	5692.1	5729.3	5727.0	5729.3	6645.1	7079.7	6979.8	6912.4
22.5°	4955.3	4869.3	5029.7	5018.1	5218.0	5438.8	5650.3	5629.4	5643.3	6289.5	6870.5
25°	3972.2	4083.7	3993.1	4032.6	4258.1	4520.7	4683.4	5108.7	5571.3	5538.7	5689.8
27.5°	3739.7	3709.5	3751.4	3751.4	3781.6	3816.4	3907.1	4146.5	4557.9	4990.2	5399.3
30°	3518.9	3544.5	3549.2	3591.0	3614.2	3637.5	3651.4	3742.1	3835.0	4134.9	4639.2
32.5°	2642.7	2317.3	3049.4	3247.0	3414.4	3453.9	3481.8	3518.9	3586.3	3630.5	3883.9
35°	76.7	76.7	81.3	93.0	118.5	799.5	3044.8	3356.2	3400.4	3456.2	3502.7
37.5°	37.2	27.9	32.5	34.9	41.8	58.1	83.7	260.3	2898.4	3277.2	3328.4
40°	16.3	16.3	16.3	16.3	18.6	23.2	34.9	58.1	88.3	2331.2	3144.7
42.5°	13.9	13.9	13.9	13.9	13.9	13.9	16.3	20.9	41.8	99.9	1650.2
45°	9.3	9.3	7.0	9.3	9.3	11.6	13.9	13.9	18.6	62.8	113.9
47.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	11.6	13.9	41.8	60.4
50°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	32.5	41.8
52.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	13.9	37.2
55°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	7.0	7.0	9.3	32.5
57.5°	4.6	4.6	4.6	4.6	4.6	7.0	4.6	4.6	7.0	7.0	30.2
60°	4.6	4.6	4.6	4.6	4.6	7.0	7.0	7.0	7.0	7.0	27.9
62.5°	7.0	7.0	4.6	7.0	4.6	4.6	7.0	7.0	7.0	7.0	18.6
65°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.6	7.0
67.5°	7.0	7.0	7.0	7.0	4.6	7.0	4.6	7.0	7.0	4.6	4.6
70°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.6	4.6	4.6	4.6
72.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.6	4.6	4.6	4.6
75°	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	4.6	4.6	4.6
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	11.6	13.9	11.6	11.6	4.6
80°	7.0	7.0	7.0	7.0	7.0	7.0	11.6	11.6	11.6	11.6	16.3
82.5°	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3	9.3	11.6
85°	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3	7.0	9.3
87.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	7.0	7.0	7.0
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7925.8	7846.7	7821.2	7767.7	7763.1	7767.7	7756.1	7739.8	7749.1	7732.8	7718.9
5°	8813.6	8602.1	8465.0	8281.4	8028.0	7972.2	7958.3	7879.3	7851.4	7842.1	7804.9
7.5°	8095.4	8481.3	8713.7	8792.7	8495.2	8425.5	8344.1	8279.0	8216.3	8097.8	8025.7
10°	7777.0	7795.6	8018.7	8279.0	8702.1	8760.2	8804.3	8662.5	8623.0	8320.9	8255.8
12.5°	7702.6	7704.9	7730.5	7888.6	8220.9	8258.1	8413.9	8497.5	8599.8	8657.9	8611.4
15°	7363.3	7551.5	7691.0	7704.9	7735.2	7800.2	7846.7	8137.3	8260.4	8590.5	8571.9
17.5°	7205.2	7265.7	7467.9	7632.9	7605.0	7581.8	7619.0	7658.5	7777.0	8107.0	8102.4
20°	6942.6	7135.5	7244.7	7416.7	7572.5	7579.4	7537.6	7514.4	7467.9	7521.3	7570.1
22.5°	6831.0	6861.2	7065.8	7186.6	7363.3	7426.0	7435.3	7437.7	7412.1	7384.2	7370.3
25°	6819.4	6724.1	6828.7	6979.8	7109.9	7177.3	7254.0	7279.6	7270.3	7270.3	7256.4
27.5°	5580.6	6693.9	6638.1	6738.1	6896.1	6942.6	6982.1	7061.1	7109.9	7144.8	7161.1
30°	5315.6	5515.5	6489.4	6503.3	6663.7	6659.0	6703.2	6768.3	6831.0	6912.4	6933.3
32.5°	4702.0	5192.4	5940.8	6268.6	6435.9	6452.2	6475.4	6494.0	6552.1	6642.8	6721.8
35°	3767.6	4729.9	5090.1	6157.0	6187.2	6219.7	6233.7	6277.8	6296.4	6333.6	6403.4
37.5°	3409.7	3909.4	4883.3	5324.9	5901.3	5929.2	6003.6	6022.2	6052.4	6082.6	6136.1
40°	3202.8	3340.0	4065.1	4755.5	5671.2	5689.8	5715.4	5761.9	5764.2	5799.0	5847.9
42.5°	3037.8	3126.1	3337.6	4541.6	5508.5	5506.2	5445.8	5476.0	5489.9	5527.1	5594.5
45°	2426.5	2933.2	3068.0	3709.5	4385.9	4702.0	5308.6	5208.7	5206.4	5220.3	5292.4
47.5°	123.2	2758.9	2854.2	3061.1	4141.8	4153.5	4232.5	4897.2	4999.5	4967.0	4973.9
50°	83.7	190.6	2659.0	2754.3	3570.1	3858.3	3916.4	3946.6	4330.1	4757.8	4688.0
52.5°	65.1	109.2	1629.3	2556.7	2900.7	3112.2	3486.4	3700.2	3723.5	3895.5	4478.9
55°	58.1	83.7	176.6	2359.1	2466.0	2512.5	2731.0	3105.2	3407.4	3498.0	3505.0
57.5°	51.1	76.7	120.9	1066.8	2242.9	2252.2	2289.4	2419.6	2691.5	2940.2	3221.4
60°	46.5	67.4	95.3	183.6	2038.4	2061.6	2068.6	2103.5	2136.0	2305.7	2628.7
62.5°	27.9	53.5	83.7	132.5	1613.0	1852.4	1850.1	1873.4	1903.6	1922.2	1987.2
65°	23.2	41.8	72.1	111.6	197.6	246.4	1496.8	1664.2	1682.8	1708.3	1720.0
67.5°	20.9	37.2	53.5	88.3	148.8	169.7	195.2	241.7	1320.2	1487.5	1510.8
70°	18.6	25.6	44.2	74.4	120.9	130.2	146.4	167.3	197.6	244.0	1194.7
72.5°	11.6	18.6	30.2	53.5	93.0	104.6	113.9	127.8	141.8	169.7	195.2
75°	4.6	13.9	25.6	39.5	72.1	79.0	86.0	95.3	106.9	125.5	139.5
77.5°	4.6	11.6	20.9	27.9	46.5	53.5	62.8	69.7	79.0	88.3	102.3
80°	16.3	9.3	13.9	20.9	32.5	34.9	39.5	44.2	51.1	58.1	67.4
82.5°	11.6	13.9	16.3	13.9	16.3	20.9	23.2	27.9	30.2	34.9	37.2
85°	9.3	9.3	11.6	11.6	11.6	11.6	11.6	11.6	13.9	16.3	20.9
87.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7718.9	7714.2	7700.3	7700.3	7698.0	7707.3	7714.2	7721.2	7718.9	7732.8	7718.9
5°	7777.0	7765.4	7744.5	7725.9	7718.9	7723.5	7716.6	7723.5	7714.2	7725.9	7704.9
7.5°	7937.4	7897.9	7816.5	7784.0	7742.1	7739.8	7718.9	7714.2	7700.3	7700.3	7674.7
10°	8220.9	8030.3	8007.1	7909.5	7874.6	7704.9	7742.1	7679.4	7672.4	7642.2	7630.6
12.5°	8453.4	8304.6	8260.4	8174.5	8076.8	7732.8	7809.5	7674.7	7667.8	7607.3	7544.6
15°	8458.0	8544.0	8423.1	8186.1	8165.2	7928.1	7772.4	7725.9	7665.4	7484.1	7514.4
17.5°	8186.1	8383.6	8441.7	8390.6	8241.9	8081.5	7863.0	7770.0	7588.7	7507.4	7451.6
20°	7744.5	7944.3	8193.0	8209.3	8302.3	8188.4	7902.5	7751.4	7533.0	7391.2	7344.7
22.5°	7393.5	7539.9	7825.8	7958.3	8072.2	8111.7	7930.4	7707.3	7435.3	7298.2	7270.3
25°	7207.6	7240.1	7326.1	7481.8	7732.8	7914.1	7939.7	7702.6	7560.8	7261.0	7103.0
27.5°	7140.2	7112.3	7077.4	7156.4	7344.7	7565.5	7711.9	7751.4	7398.1	7112.3	6954.2
30°	6968.2	6984.4	6931.0	6903.1	7026.3	7254.0	7514.4	7579.4	7307.5	7012.3	6831.0
32.5°	6756.6	6784.5	6793.8	6745.0	6719.5	6877.5	7158.7	7314.5	7300.5	6870.5	6668.3
35°	6491.7	6570.7	6591.6	6593.9	6552.1	6526.5	6689.2	7012.3	7135.5	6805.5	6512.6
37.5°	6212.8	6236.0	6349.9	6380.1	6380.1	6303.4	6424.3	6682.3	6854.3	6659.0	6322.0
40°	5864.1	5938.5	6045.4	6098.9	6152.3	6159.3	6091.9	6273.2	6556.8	6508.0	6143.0
42.5°	5610.8	5659.6	5724.7	5796.7	5906.0	5933.9	5864.1	5896.7	6191.9	6319.7	5910.6
45°	5315.6	5380.7	5399.3	5478.3	5592.2	5673.5	5671.2	5603.8	5840.9	5998.9	5740.9
47.5°	5013.4	5076.2	5108.7	5148.3	5231.9	5336.5	5394.6	5364.4	5410.9	5720.0	5515.5
50°	4702.0	4736.9	4801.9	4846.1	4901.9	4962.3	5101.8	5129.7	5064.6	5311.0	5266.8
52.5°	4406.8	4418.4	4462.6	4506.8	4581.1	4625.3	4736.9	4820.5	4815.9	4887.9	4990.2
55°	4176.7	4125.6	4134.9	4169.7	4218.5	4286.0	4348.7	4478.9	4523.0	4537.0	4699.7
57.5°	3263.3	3788.6	3835.0	3832.7	3890.8	3921.0	3979.1	4065.1	4223.2	4188.3	4369.6
60°	2965.8	3023.9	3463.2	3514.3	3535.2	3563.1	3632.8	3711.9	3828.1	3902.4	3981.5
62.5°	2261.5	2614.8	2747.3	3135.4	3195.9	3212.1	3258.6	3295.8	3416.7	3586.3	3553.8
65°	1750.2	1901.3	2305.7	2463.7	2793.8	2835.6	2900.7	2940.2	2975.1	3170.3	3179.6
67.5°	1513.1	1536.3	1645.6	1950.1	2159.2	2482.3	2521.8	2556.7	2610.2	2749.6	2835.6
70°	1292.3	1320.2	1350.4	1376.0	1647.9	1861.7	2161.6	2173.2	2208.1	2301.0	2496.3
72.5°	244.0	1104.0	1122.6	1138.9	1169.1	1310.9	1596.8	1829.2	1843.1	1887.3	2066.3
75°	165.0	192.9	265.0	911.1	941.3	950.6	999.4	1290.0	1503.8	1513.1	1592.1
77.5°	118.5	132.5	160.4	190.6	485.8	729.8	741.4	794.9	1015.7	1176.1	1190.0
80°	81.3	90.6	106.9	120.9	148.8	195.2	539.2	555.5	583.4	804.2	846.0
82.5°	46.5	53.5	62.8	76.7	88.3	111.6	144.1	185.9	378.9	404.4	536.9
85°	23.2	25.6	30.2	37.2	44.2	53.5	72.1	88.3	120.9	218.5	225.5
87.5°	11.6	11.6	11.6	11.6	18.6	20.9	25.6	32.5	41.8	62.8	81.3
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7721.2	7753.8	7781.7	7788.6	7788.6	7793.3	7800.2	7804.9	7809.5	7814.2	7809.5
5°	7707.3	7742.1	7765.4	7772.4	7772.4	7786.3	7797.9	7811.9	7818.8	7818.8	7814.2
7.5°	7672.4	7698.0	7728.2	7746.8	7749.1	7772.4	7793.3	7790.9	7800.2	7804.9	7816.5
10°	7625.9	7625.9	7677.1	7691.0	7702.6	7728.2	7735.2	7749.1	7781.7	7786.3	7816.5
12.5°	7602.7	7579.4	7639.9	7646.8	7686.4	7653.8	7695.7	7709.6	7677.1	7721.2	7663.1
15°	7498.1	7526.0	7516.7	7537.6	7607.3	7570.1	7684.0	7646.8	7730.5	7630.6	7807.2
17.5°	7412.1	7407.4	7444.6	7463.2	7477.2	7556.2	7586.4	7628.2	7660.8	7632.9	7702.6
20°	7349.3	7312.1	7340.0	7361.0	7409.8	7470.2	7488.8	7426.0	7535.3	7721.2	7765.4
22.5°	7230.8	7205.2	7237.8	7237.8	7312.1	7302.9	7372.6	7333.1	7435.3	7651.5	7876.9
25°	7070.4	7072.7	7107.6	7149.4	7163.4	7268.0	7305.2	7356.3	7484.1	7742.1	7879.3
27.5°	6907.7	6893.8	6914.7	7000.7	7072.7	7149.4	7161.1	7335.4	7509.7	7686.4	7807.2
30°	6745.0	6731.1	6745.0	6807.8	6893.8	6944.9	7072.7	7305.2	7467.9	7588.7	7702.6
32.5°	6570.7	6556.8	6589.3	6635.8	6786.9	6793.8	7047.2	7265.7	7393.5	7481.8	7460.9
35°	6384.8	6366.2	6396.4	6468.4	6607.9	6659.0	6924.0	7086.7	7230.8	7272.6	7175.0
37.5°	6161.6	6129.1	6166.3	6266.2	6412.7	6561.4	6782.2	6970.5	7047.2	6935.6	6819.4
40°	5929.2	5906.0	5971.0	6022.2	6194.2	6401.0	6654.4	6786.9	6738.1	6610.2	6482.4
42.5°	5722.3	5673.5	5731.6	5829.3	6024.5	6259.3	6463.8	6538.2	6422.0	6233.7	6084.9
45°	5469.0	5410.9	5480.6	5610.8	5820.0	6087.3	6247.6	6222.1	6024.5	5861.8	5657.3
47.5°	5204.0	5134.3	5204.0	5359.8	5594.5	5878.1	5994.3	5878.1	5629.4	5424.8	5259.8
50°	4943.7	4862.4	4929.8	5164.5	5394.6	5613.1	5610.8	5385.3	5236.6	5013.4	4869.3
52.5°	4685.7	4569.5	4636.9	4892.6	5122.7	5371.4	5187.8	4978.6	4799.6	4604.4	4557.9
55°	4367.3	4241.8	4332.4	4704.3	4881.0	5027.4	4734.5	4550.9	4374.3	4276.7	4218.5
57.5°	4065.1	3928.0	4007.0	4446.3	4576.5	4613.7	4344.1	4083.7	3979.1	3946.6	3862.9
60°	3753.7	3598.0	3672.3	4179.0	4269.7	4118.6	3853.6	3651.4	3630.5	3565.4	3500.3
62.5°	3456.2	3284.2	3330.7	3846.7	3888.5	3614.2	3370.2	3316.7	3265.6	3200.5	3165.7
65°	3114.5	2935.6	3000.6	3493.4	3453.9	3100.6	2963.4	2951.8	2884.4	2831.0	2882.1
67.5°	2800.7	2589.2	2679.9	3107.5	2928.6	2640.4	2584.6	2556.7	2503.2	2533.5	1996.5
70°	2456.8	2226.6	2349.8	2691.5	2426.5	2235.9	2215.0	2173.2	2175.5	1729.3	1457.3
72.5°	2073.2	1873.4	2052.3	2235.9	1919.8	1864.1	1833.8	1829.2	1475.9	1199.3	1131.9
75°	1736.2	1534.0	1726.9	1796.7	1529.4	1492.2	1489.9	1231.9	969.2	925.1	904.1
77.5°	1355.0	1199.3	1382.9	1278.3	1173.8	1131.9	1015.7	762.4	729.8	699.6	262.6
80°	913.4	925.1	1032.0	880.9	836.7	713.6	562.5	539.2	464.9	185.9	146.4
82.5°	555.5	697.3	657.8	550.9	539.2	388.2	355.6	181.3	134.8	106.9	93.0
85°	288.2	353.3	339.3	299.8	223.1	199.9	111.6	86.0	69.7	53.5	44.2
87.5°	97.6	130.2	125.5	99.9	76.7	60.4	39.5	32.5	23.2	18.6	16.3
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7804.9	7804.9	7800.2	7804.9	7807.2	7802.6	7802.6	7807.2	7809.5	7811.9	7823.5
5°	7816.5	7821.2	7828.1	7842.1	7844.4	7872.3	7883.9	7890.9	7897.9	7900.2	7883.9
7.5°	7842.1	7858.4	7872.3	7870.0	7853.7	7809.5	7795.6	7784.0	7804.9	7858.4	7921.1
10°	7865.3	7790.9	7651.5	7842.1	7784.0	7837.4	7995.5	8030.3	8137.3	8288.3	8332.5
12.5°	7704.9	7909.5	7953.6	7739.8	8134.9	7988.5	8162.8	8316.2	8360.4	8513.8	8420.8
15°	7876.9	7976.9	8044.3	8258.1	8234.9	8360.4	8409.2	8379.0	8386.0	8425.5	8530.1
17.5°	7874.6	8074.5	8118.7	8262.8	8360.4	8362.7	8348.8	8334.8	8372.0	8402.2	8339.5
20°	8009.4	8074.5	8160.5	8218.6	8237.2	8260.4	8304.6	8269.7	8200.0	8132.6	8104.7
22.5°	7942.0	8088.5	8162.8	8172.1	8160.5	8088.5	8023.4	7925.8	7893.2	7858.4	7870.0
25°	7956.0	8023.4	8014.1	7976.9	7928.1	7793.3	7760.7	7718.9	7656.1	7505.1	7367.9
27.5°	7856.0	7821.2	7779.3	7688.7	7600.4	7528.3	7447.0	7312.1	7200.6	7037.9	6977.5
30°	7688.7	7549.2	7447.0	7393.5	7307.5	7186.6	7063.5	6898.4	6756.6	6724.1	6693.9
32.5°	7367.9	7230.8	7147.1	7017.0	6870.5	6726.4	6584.7	6519.6	6489.4	6494.0	6466.1
35°	7040.2	6919.3	6793.8	6598.6	6489.4	6345.3	6294.1	6280.2	6252.3	6222.1	6189.5
37.5°	6691.6	6549.8	6361.5	6245.3	6136.1	6078.0	6052.4	6031.5	5982.7	5929.2	5892.0
40°	6354.5	6098.9	5994.3	5880.4	5847.9	5822.3	5785.1	5734.0	5666.6	5657.3	5641.0
42.5°	5903.6	5720.0	5629.4	5606.1	5566.6	5522.5	5489.9	5434.1	5406.2	5424.8	5438.8
45°	5476.0	5383.0	5352.8	5324.9	5250.5	5187.8	5166.8	5148.3	5171.5	5273.8	5029.7
47.5°	5129.7	5092.5	5055.3	5008.8	4939.1	4892.6	4913.5	4932.1	4953.0	4202.3	3835.0
50°	4829.8	4778.7	4720.6	4669.5	4627.6	4623.0	4732.2	4404.5	3688.6	3670.0	3298.1
52.5°	4502.1	4425.4	4390.5	4360.3	4378.9	4448.6	3681.6	3416.7	3277.2	2847.2	2656.6
55°	4148.8	4081.4	4081.4	4109.3	4009.4	3249.3	3209.8	2775.2	2512.5	2438.2	2407.9
57.5°	3795.5	3788.6	3828.1	3500.3	2949.5	2828.6	2377.7	2282.4	2240.6	2231.3	2182.5
60°	3472.5	3537.5	2961.1	2724.0	2368.4	2136.0	2070.9	2059.3	2015.1	1998.9	1954.7
62.5°	3214.5	2665.9	2482.3	2026.8	1908.2	1878.0	1843.1	1826.9	1787.4	1578.2	462.5
65°	2321.9	2194.1	1780.4	1703.7	1694.4	1650.2	1636.3	1471.3	346.3	232.4	197.6
67.5°	1752.5	1554.9	1501.5	1487.5	1443.4	1355.0	402.1	230.1	197.6	172.0	151.1
70°	1345.8	1310.9	1271.4	1238.8	364.9	227.8	197.6	167.3	144.1	127.8	116.2
72.5°	1101.7	1078.5	627.6	239.4	195.2	165.0	146.4	127.8	111.6	102.3	93.0
75°	862.3	239.4	197.6	165.0	141.8	120.9	106.9	95.3	86.0	79.0	72.1
77.5°	195.2	158.1	134.8	113.9	102.3	90.6	81.3	69.7	62.8	55.8	46.5
80°	120.9	104.6	88.3	81.3	69.7	58.1	51.1	46.5	37.2	34.9	30.2
82.5°	79.0	62.8	55.8	46.5	37.2	34.9	30.2	23.2	20.9	18.6	16.3
85°	34.9	30.2	25.6	20.9	16.3	13.9	11.6	9.3	9.3	9.3	9.3
87.5°	11.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.6	4.6
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7828.1	7870.0	7909.5	7897.9	7856.0	7790.9	7772.4	7746.8	7765.4	7804.9	7821.2
5°	7883.9	7860.7	7944.3	8067.5	8267.4	8286.0	8425.5	8458.0	8569.6	8639.3	8637.0
7.5°	7962.9	8293.0	8430.1	8578.9	8646.3	8630.0	8650.9	8634.7	8609.1	8597.5	8583.5
10°	8365.0	8616.1	8667.2	8667.2	8562.6	8420.8	8360.4	8255.8	8046.6	8051.3	8016.4
12.5°	8599.8	8688.1	8567.3	8465.0	8044.3	7881.6	7704.9	7621.3	7572.5	7498.1	7526.0
15°	8476.6	8351.1	8279.0	7949.0	7691.0	7398.1	7402.8	7351.7	7298.2	7302.9	7268.0
17.5°	8295.3	8195.4	7684.0	7456.3	7330.7	7216.9	7195.9	7128.5	7093.7	7082.0	7079.7
20°	8046.6	7686.4	7305.2	7249.4	7098.3	6968.2	6947.2	6968.2	7075.1	6884.5	6238.3
22.5°	7756.1	7237.8	7126.2	6968.2	6865.9	6814.8	6942.6	6361.5	5482.9	5589.9	5476.0
25°	7263.3	7037.9	6847.3	6726.4	6714.8	6401.0	5334.2	5222.6	4657.8	4355.7	4016.3
27.5°	6903.1	6805.5	6605.6	6584.7	6433.6	5234.3	4678.8	4065.1	3839.7	3804.8	3730.5
30°	6684.6	6545.1	6424.3	5896.7	5134.3	4213.9	3753.7	3667.7	3628.2	3586.3	3521.3
32.5°	6422.0	6289.5	6347.6	4957.7	4093.0	3628.2	3535.2	3472.5	3400.4	3372.5	3137.8
35°	6154.7	6094.2	4960.0	4167.4	3518.9	3407.4	3337.6	3272.6	2603.2	629.9	213.8
37.5°	5868.8	5854.8	4457.9	3458.5	3295.8	3191.2	2993.7	618.3	146.4	99.9	74.4
40°	5645.6	4460.3	3523.6	3242.4	3109.9	2944.8	413.7	102.3	65.1	39.5	25.6
42.5°	5496.9	4011.7	3154.0	3042.5	2754.3	304.5	104.6	44.2	25.6	20.9	16.3
45°	4237.1	3168.0	2947.2	2831.0	348.6	104.6	60.4	20.9	16.3	13.9	9.3
47.5°	3909.4	2877.4	2747.3	618.3	116.2	55.8	41.8	13.9	9.3	9.3	9.3
50°	2961.1	2659.0	2187.1	151.1	74.4	39.5	30.2	9.3	9.3	9.3	7.0
52.5°	2596.2	2454.4	234.8	99.9	58.1	30.2	18.6	7.0	7.0	7.0	7.0
55°	2373.1	1557.3	139.5	76.7	48.8	27.9	11.6	7.0	7.0	7.0	4.6
57.5°	2170.9	209.2	102.3	65.1	44.2	25.6	7.0	7.0	7.0	7.0	4.6
60°	1840.8	151.1	83.7	58.1	41.8	23.2	7.0	7.0	7.0	7.0	7.0
62.5°	239.4	118.5	72.1	51.1	30.2	18.6	4.6	7.0	7.0	7.0	7.0
65°	174.3	93.0	65.1	34.9	18.6	7.0	4.6	7.0	7.0	7.0	7.0
67.5°	134.8	76.7	48.8	30.2	16.3	4.6	4.6	7.0	7.0	7.0	7.0
70°	106.9	65.1	39.5	25.6	13.9	4.6	4.6	7.0	7.0	7.0	7.0
72.5°	83.7	46.5	27.9	13.9	9.3	4.6	4.6	7.0	7.0	7.0	7.0
75°	62.8	37.2	20.9	11.6	4.6	4.6	4.6	7.0	7.0	7.0	7.0
77.5°	41.8	23.2	16.3	9.3	9.3	9.3	11.6	11.6	7.0	7.0	7.0
80°	27.9	16.3	11.6	11.6	11.6	9.3	11.6	11.6	7.0	11.6	7.0
82.5°	13.9	11.6	11.6	9.3	9.3	7.0	9.3	9.3	9.3	9.3	7.0
85°	9.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	7.0
87.5°	4.6	4.6	4.6	4.6	7.0	7.0	7.0	7.0	9.3	9.3	7.0
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7800.2	7807.2	7788.6	7888.6	7837.4	7842.1	7863.0	7809.5	7821.2	7784.0	7758.4
5°	8646.3	8660.2	8674.2	8678.8	8688.1	8699.7	8685.8	8678.8	8664.9	8618.4	8569.6
7.5°	8513.8	8497.5	8490.6	8499.8	8516.1	8523.1	8511.5	8527.7	8588.2	8613.7	8630.0
10°	7816.5	7742.1	7793.3	7786.3	7728.2	7923.4	7870.0	7900.2	7921.1	8134.9	8265.1
12.5°	7484.1	7530.6	7442.3	7398.1	7456.3	7495.8	7535.3	7451.6	7567.8	7514.4	7686.4
15°	7205.2	7177.3	7168.0	7170.4	7158.7	7214.5	7228.5	7247.1	7263.3	7335.4	7363.3
17.5°	7079.7	7126.2	7144.8	7158.7	7135.5	7109.9	7084.4	7047.2	7058.8	7040.2	7093.7
20°	5803.7	5648.0	5638.7	5729.3	5629.4	5685.2	5820.0	6721.8	6691.6	7042.5	6924.0
22.5°	4843.8	4697.3	4571.8	4462.6	4618.3	4683.4	4934.4	5218.0	5678.2	5606.1	6105.9
25°	3955.9	3902.4	3869.9	3853.6	3865.3	3860.6	3916.4	4048.9	4258.1	4750.8	5387.7
27.5°	3700.2	3674.7	3663.0	3625.9	3653.7	3644.5	3688.6	3716.5	3779.3	3828.1	4034.9
30°	3498.0	3467.8	3446.9	3407.4	3435.3	3437.6	3451.5	3523.6	3549.2	3591.0	3656.1
32.5°	1278.3	753.1	706.6	671.7	734.5	957.6	1680.4	2937.9	3351.6	3384.1	3458.5
35°	125.5	104.6	93.0	93.0	95.3	104.6	139.5	367.2	671.7	2596.2	3249.3
37.5°	48.8	41.8	34.9	32.5	34.9	39.5	53.5	69.7	95.3	197.6	880.9
40°	20.9	18.6	16.3	16.3	16.3	16.3	18.6	23.2	34.9	65.1	102.3
42.5°	13.9	11.6	11.6	11.6	11.6	11.6	11.6	11.6	16.3	20.9	41.8
45°	9.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	11.6	18.6
47.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3
50°	7.0	7.0	7.0	7.0	4.6	7.0	4.6	7.0	7.0	7.0	7.0
52.5°	7.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	7.0	7.0
55°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	7.0
57.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
60°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
62.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	7.0	7.0	4.6
65°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	7.0	4.6
67.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
70°	7.0	7.0	4.6	7.0	4.6	4.6	7.0	7.0	7.0	4.6	4.6
72.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	13.9	13.9	9.3
75°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	11.6	13.9	11.6
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	11.6	11.6	11.6
80°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3
82.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3
85°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
87.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7714.2	7711.9	7760.7	7797.9	7784.0	7797.9	7814.2	7816.5	7821.2	7802.6	7795.6
5°	8476.6	8404.6	8265.1	8165.2	8048.9	7837.4	7732.8	7744.5	7746.8	7739.8	7749.1
7.5°	8623.0	8616.1	8567.3	8546.3	8467.3	8316.2	8074.5	8032.7	7930.4	7865.3	7811.9
10°	8255.8	8423.1	8467.3	8541.7	8588.2	8560.3	8355.7	8325.5	8260.4	8186.1	8202.3
12.5°	7858.4	7995.5	8002.5	8406.9	8497.5	8506.8	8427.8	8469.6	8478.9	8311.6	8214.0
15°	7370.3	7435.3	7572.5	7949.0	8223.3	8395.3	8446.4	8469.6	8355.7	8348.8	8309.3
17.5°	7156.4	7198.3	7261.0	7472.5	7888.6	8141.9	8358.1	8341.8	8386.0	8353.4	8253.5
20°	6886.8	6921.7	7033.2	7140.2	7344.7	7681.7	8086.1	8116.3	8174.5	8167.5	8195.4
22.5°	6882.2	6759.0	6777.6	6861.2	7075.1	7377.2	7807.2	7907.2	7944.3	7969.9	8000.1
25°	5459.7	6438.2	6617.2	6670.7	6810.1	6986.8	7493.4	7530.6	7600.4	7714.2	7797.9
27.5°	4729.9	5394.6	6110.5	6482.4	6570.7	6717.1	7019.3	7075.1	7312.1	7340.0	7470.2
30°	3732.8	4246.4	5315.6	6210.4	6356.9	6459.1	6673.0	6784.5	6886.8	6998.4	7135.5
32.5°	3512.0	3593.3	4186.0	5139.0	6277.8	6201.1	6359.2	6426.6	6538.2	6635.8	6735.7
35°	3309.8	3365.5	3491.1	4209.2	5113.4	5989.6	6096.6	6140.7	6203.5	6277.8	6349.9
37.5°	3098.2	3181.9	3267.9	3460.8	4729.9	5822.3	5820.0	5871.1	5908.3	5971.0	6031.5
40°	562.5	2921.6	3061.1	3186.6	3667.7	4643.9	5559.6	5582.9	5608.5	5648.0	5710.7
42.5°	90.6	488.1	2868.1	2989.0	3126.1	4158.1	5441.1	5345.8	5329.5	5357.4	5413.2
45°	46.5	118.5	576.4	2791.4	2914.6	3316.7	4448.6	5180.8	5164.5	5111.1	5122.7
47.5°	34.9	74.4	141.8	964.6	2728.7	2847.2	4104.7	4060.5	4369.6	4962.3	4871.7
50°	30.2	51.1	83.7	197.6	2410.3	2621.8	3161.0	3693.3	3856.0	3876.9	4588.1
52.5°	27.9	34.9	60.4	127.8	506.7	2424.2	2570.6	2756.6	3030.8	3618.9	3604.9
55°	25.6	32.5	51.1	86.0	176.6	2184.8	2335.9	2370.8	2428.9	2710.1	3082.0
57.5°	13.9	30.2	48.8	74.4	132.5	399.8	2119.7	2147.6	2194.1	2205.7	2338.2
60°	7.0	27.9	44.2	65.1	97.6	185.9	1905.9	1938.4	1966.3	1971.0	2012.8
62.5°	4.6	25.6	37.2	60.4	81.3	132.5	450.9	920.4	1750.2	1750.2	1799.0
65°	4.6	18.6	23.2	39.5	74.4	109.2	190.6	220.8	430.0	1057.5	1578.2
67.5°	4.6	7.0	20.9	32.5	55.8	83.7	139.5	162.7	195.2	223.1	413.7
70°	4.6	4.6	18.6	20.9	34.9	62.8	99.9	113.9	132.5	151.1	174.3
72.5°	4.6	4.6	16.3	16.3	23.2	41.8	76.7	83.7	95.3	106.9	123.2
75°	11.6	9.3	13.9	13.9	16.3	32.5	58.1	65.1	69.7	79.0	90.6
77.5°	11.6	11.6	11.6	11.6	11.6	20.9	37.2	41.8	48.8	53.5	62.8
80°	9.3	9.3	9.3	11.6	11.6	13.9	23.2	25.6	27.9	34.9	37.2
82.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	13.9	16.3	20.9
85°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3	9.3
87.5°	7.0	7.0	7.0	4.6	4.6	7.0	7.0	7.0	7.0	7.0	7.0
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7793.3	7779.3	7767.7	7774.7	7753.8	7744.5	7751.4	7753.8	7758.4	7770.0	7772.4
5°	7772.4	7767.7	7788.6	7800.2	7795.6	7800.2	7800.2	7790.9	7777.0	7786.3	7765.4
7.5°	7758.4	7728.2	7704.9	7709.6	7686.4	7714.2	7739.8	7777.0	7788.6	7788.6	7765.4
10°	7997.8	7965.3	7835.1	7746.8	7688.7	7637.5	7758.4	7635.2	7693.3	7472.5	7725.9
12.5°	8195.4	8239.5	8181.4	7939.7	7897.9	7744.5	7832.8	7681.7	7637.5	7384.2	7465.5
15°	8274.4	8190.7	8172.1	8104.7	8014.1	7969.9	7732.8	7707.3	7635.2	7663.1	7556.2
17.5°	8204.7	8246.5	8190.7	8146.6	8053.6	7949.0	7807.2	7681.7	7581.8	7358.6	7546.9
20°	8137.3	8193.0	8025.7	8053.6	8062.9	7942.0	7867.6	7763.1	7637.5	7428.4	7265.7
22.5°	8025.7	7986.2	8000.1	7958.3	7923.4	7939.7	7837.4	7765.4	7553.9	7458.6	7237.8
25°	7844.4	7830.5	7867.6	7863.0	7779.3	7751.4	7700.3	7623.6	7539.9	7386.5	7205.2
27.5°	7549.2	7621.3	7686.4	7716.6	7672.4	7598.0	7570.1	7526.0	7467.9	7312.1	7177.3
30°	7237.8	7319.1	7393.5	7458.6	7498.1	7465.5	7440.0	7414.4	7326.1	7223.8	7072.7
32.5°	6882.2	6989.1	7091.3	7170.4	7256.4	7281.9	7263.3	7242.4	7168.0	7075.1	6954.2
35°	6470.8	6617.2	6765.9	6907.7	6944.9	7005.3	7065.8	7030.9	6991.4	6898.4	6786.9
37.5°	6122.1	6226.7	6333.6	6512.6	6642.8	6719.5	6826.4	6840.3	6772.9	6728.8	6582.3
40°	5761.9	5857.2	6012.9	6117.5	6296.4	6384.8	6498.7	6549.8	6533.5	6508.0	6380.1
42.5°	5478.3	5524.8	5627.1	5720.0	5896.7	6078.0	6177.9	6233.7	6291.8	6270.9	6205.8
45°	5176.1	5218.0	5252.8	5334.2	5506.2	5666.6	5789.8	5873.4	5978.0	6026.8	5947.8
47.5°	4876.3	4887.9	4929.8	4997.2	5099.4	5222.6	5429.5	5555.0	5652.6	5747.9	5696.8
50°	4646.2	4604.4	4611.3	4653.2	4736.9	4857.7	5006.5	5183.1	5294.7	5410.9	5422.5
52.5°	4060.5	4399.8	4318.5	4341.7	4385.9	4444.0	4599.7	4774.0	4911.2	5011.1	5111.1
55°	3407.4	3474.8	4127.9	4034.9	4062.8	4114.0	4186.0	4360.3	4492.8	4632.3	4771.7
57.5°	2642.7	3144.7	3170.3	3774.6	3760.7	3765.3	3825.7	3925.7	4058.2	4232.5	4351.0
60°	2054.7	2266.2	2677.6	2886.7	3416.7	3435.3	3470.1	3528.2	3642.1	3807.2	3995.4
62.5°	1812.9	1840.8	1987.2	2301.0	2645.0	3061.1	3135.4	3144.7	3195.9	3360.9	3579.4
65°	1592.1	1610.7	1654.9	1687.4	1975.6	2377.7	2735.7	2793.8	2826.3	2923.9	3109.9
67.5°	1097.1	1387.6	1427.1	1450.3	1478.2	1664.2	2108.1	2403.3	2440.5	2526.5	2689.2
70°	211.5	439.3	1201.6	1227.2	1241.2	1283.0	1355.0	1824.6	2070.9	2152.3	2226.6
72.5°	144.1	169.7	204.5	483.4	1022.7	1045.9	1062.2	1122.6	1538.7	1775.7	1815.3
75°	104.6	116.2	137.1	169.7	209.2	681.0	843.7	873.9	904.1	1248.1	1448.0
77.5°	74.4	83.7	93.0	109.2	127.8	165.0	237.1	653.1	683.3	699.6	987.8
80°	41.8	51.1	62.8	72.1	81.3	93.0	120.9	151.1	337.0	492.7	518.3
82.5°	23.2	27.9	32.5	39.5	44.2	55.8	67.4	81.3	106.9	158.1	334.7
85°	11.6	11.6	11.6	16.3	18.6	25.6	30.2	34.9	48.8	67.4	93.0
87.5°	7.0	7.0	9.3	9.3	9.3	11.6	11.6	11.6	13.9	20.9	30.2
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-LD5-136SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	7744.5	7744.5	7744.5	7744.5	7744.5
2.5°	7774.7	7767.7	7767.7	7795.6	7788.6
5°	7760.7	7753.8	7751.4	7781.7	7767.7
7.5°	7749.1	7723.5	7716.6	7744.5	7732.8
10°	7702.6	7684.0	7695.7	7686.4	7681.7
12.5°	7623.6	7612.0	7563.2	7567.8	7607.3
15°	7481.8	7528.3	7444.6	7519.0	7535.3
17.5°	7221.5	7326.1	7407.4	7451.6	7458.6
20°	7337.7	7372.6	7330.7	7333.1	7361.0
22.5°	7186.6	7202.9	7214.5	7200.6	7261.0
25°	6944.9	6882.2	7017.0	7044.9	7142.5
27.5°	6870.5	6819.4	6882.2	6877.5	6958.9
30°	6810.1	6645.1	6673.0	6717.1	6817.1
32.5°	6724.1	6463.8	6435.9	6533.5	6645.1
35°	6573.0	6326.7	6261.6	6324.3	6491.7
37.5°	6445.2	6136.1	6005.9	6089.6	6308.1
40°	6254.6	5987.3	5785.1	5859.5	6117.5
42.5°	6026.8	5859.5	5548.0	5599.2	5894.3
45°	5796.7	5648.0	5317.9	5343.5	5694.5
47.5°	5562.0	5424.8	5078.5	5083.2	5438.8
50°	5331.9	5150.6	4864.7	4783.3	5166.8
52.5°	5032.0	4864.7	4648.5	4516.1	4908.9
55°	4748.5	4560.2	4402.2	4197.6	4616.0
57.5°	4471.9	4262.7	4155.8	3893.1	4283.6
60°	4093.0	3993.1	3835.0	3584.0	3983.8
62.5°	3704.9	3672.3	3512.0	3251.7	3614.2
65°	3251.7	3328.4	3163.3	2940.2	3230.7
67.5°	2824.0	2961.1	2779.8	2642.7	2861.2
70°	2368.4	2526.5	2424.2	2375.4	2468.4
72.5°	1919.8	2073.2	2082.5	2047.7	2077.9
75°	1482.9	1652.6	1745.5	1692.1	1699.0
77.5°	1124.9	1206.3	1308.6	1350.4	1341.1
80°	695.0	836.7	920.4	1006.4	976.2
82.5°	351.0	469.5	571.8	664.7	620.6
85°	146.4	188.3	262.6	346.3	332.4
87.5°	44.2	74.4	79.0	111.6	104.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)