

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-130HL-RM-UNV-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-LD5-130HL-RM-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

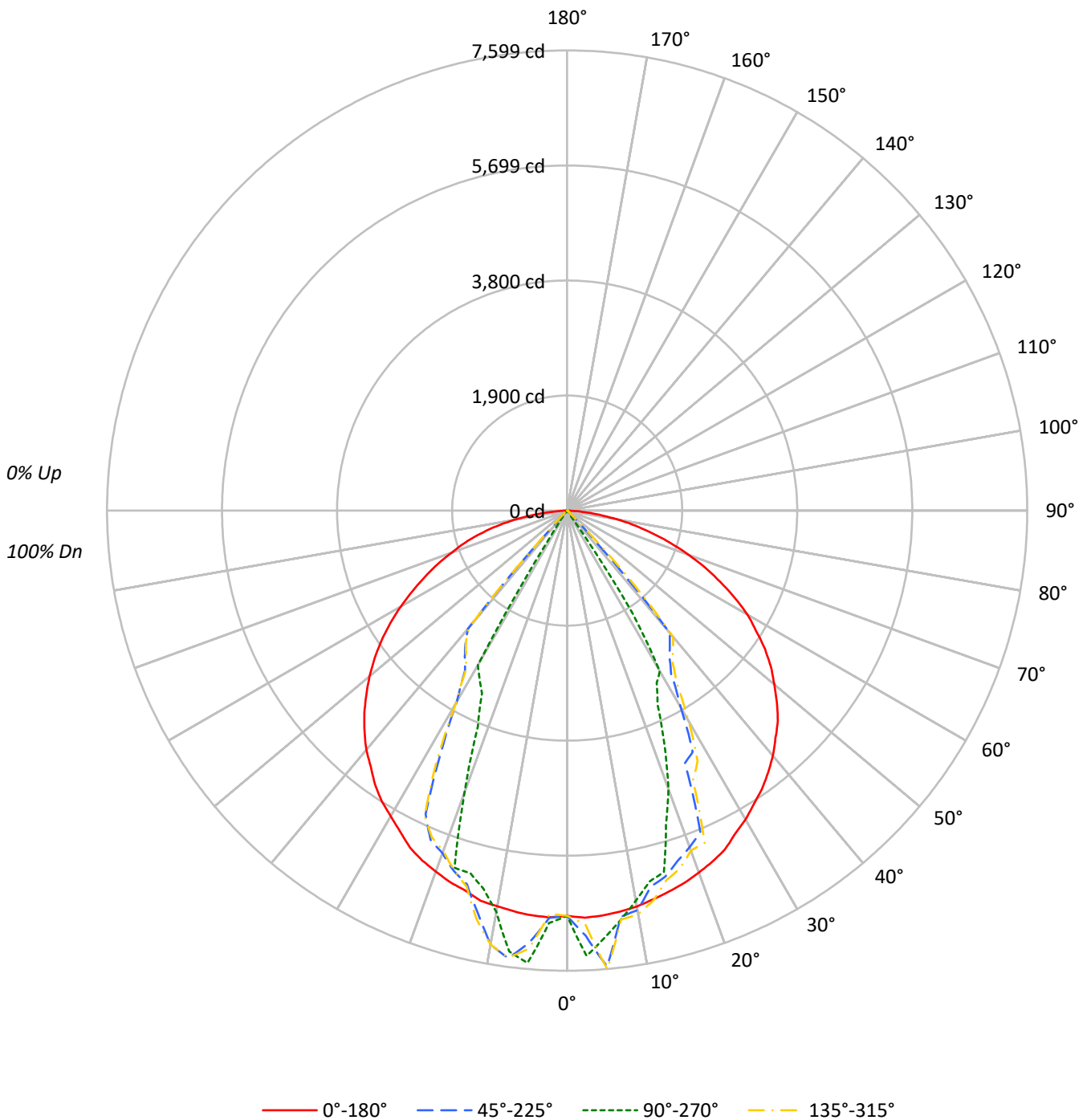
Lumens per Lamp: N/A  
Luminaire Lumens: 9514.9 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#  
CATALOG NUMBER: 8SNLED-LD5-130HL-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	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°	27038	27038	27038	27038
5°	27185	27808	27177	29448
10°	27157	25163	27141	25889
15°	27122	23487	27055	23548
20°	27193	18499	27116	18728
25°	27315	13388	27182	12634
30°	27236	11744	26948	11290
35°	27368	259	26966	314
40°	27519	57	26861	57
45°	27683	33	26644	25
50°	27550	26	26286	26
55°	27483	18	25795	18
60°	27084	20	24966	20
65°	25823	32	23984	21
70°	24159	35	22999	35
75°	21656	39	22012	39
80°	18029	45	19059	45
85°	11297	53	11533	53



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	671.4	7.1
10°-20°	1831.2	19.2
20°-30°	2330.2	24.5
30°-40°	1968.4	20.7
40°-50°	1286.9	13.5
50°-60°	810.8	8.5
60°-70°	431.6	4.5
70°-80°	157.3	1.7
80°-90°	27.0	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°	4832.8	50.8
0°-40°	6801.2	71.5
0°-60°	8898.9	93.5
0°-90°	9514.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9514.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6692	6692	6692	6692	6692	
5°	6712	7081	6710	7499	6712	638
15°	6511	6180	6495	6196	6511	1841
25°	6172	3529	6141	3330	6172	2838
35°	5609	66	5527	80	5609	3509
45°	4920	8	4736	6	4920	3784
55°	3988	4	3744	4	3988	3554
65°	2792	6	2593	4	2792	2765
75°	1468	6	1492	6	1468	1558
85°	287	6	293	6	287	363
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6729.8	6733.8	6735.8	6739.9	6745.9	6747.9	6751.9	6747.9	6747.9	6747.9	6747.9
5°	6711.7	6719.8	6725.8	6733.8	6747.9	6749.9	6766.0	6768.0	6776.0	6792.1	6804.1
7.5°	6681.6	6689.7	6701.7	6721.8	6741.9	6764.0	6792.1	6822.2	6864.4	6904.5	6954.7
10°	6637.4	6647.5	6661.5	6679.6	6778.0	6792.1	6854.3	6940.7	6964.8	7091.3	7185.7
12.5°	6573.2	6607.3	6643.5	6659.5	6753.9	6902.5	7111.4	7069.2	7023.0	7436.7	7430.7
15°	6510.9	6557.1	6539.0	6669.6	6755.9	7015.0	6926.6	7115.4	7460.8	7376.5	7380.5
17.5°	6444.6	6454.7	6555.1	6663.5	6818.2	6950.7	7059.2	7318.2	7386.5	7392.6	7318.2
20°	6360.3	6408.5	6555.1	6653.5	6914.6	6976.8	7211.8	7344.4	7316.2	7248.0	7121.4
22.5°	6273.9	6420.5	6569.2	6707.7	6890.5	7057.2	7173.7	7235.9	7089.3	6820.2	6675.6
25°	6171.5	6257.9	6452.7	6655.5	6884.5	6980.9	7049.1	6948.7	6757.9	6516.9	6273.9
27.5°	6012.9	6151.4	6400.5	6629.4	6836.3	6952.7	6842.3	6601.3	6294.0	6135.4	6024.9
30°	5890.3	6071.1	6275.9	6496.9	6711.7	6780.0	6498.9	6223.7	6012.9	5854.2	5830.1
32.5°	5741.7	5998.8	6193.6	6404.5	6585.2	6494.8	6221.7	5866.2	5691.5	5631.3	5655.4
35°	5609.2	5804.0	6059.0	6265.9	6396.4	6193.6	5761.8	5540.9	5456.6	5490.7	5446.5
37.5°	5450.5	5707.6	5942.6	6121.3	6077.1	5771.9	5406.3	5265.8	5275.8	5247.7	5163.3
40°	5285.8	5530.9	5775.9	5944.6	5789.9	5324.0	5081.0	5050.9	5056.9	4966.5	4846.0
42.5°	5093.1	5316.0	5561.0	5713.6	5380.2	5016.7	4852.1	4856.1	4803.9	4677.3	4613.1
45°	4920.3	5125.2	5380.2	5394.3	4984.6	4681.4	4633.2	4580.9	4464.5	4422.3	4374.1
47.5°	4699.4	4926.4	5137.2	5060.9	4597.0	4408.2	4372.1	4257.6	4199.4	4167.2	4127.1
50°	4464.5	4693.4	4886.2	4669.3	4231.5	4187.3	4068.8	3978.4	3938.3	3904.1	3868.0
52.5°	4241.5	4430.3	4627.1	4253.6	3950.3	3908.2	3773.6	3721.4	3681.2	3643.1	3635.0
55°	3988.5	4155.2	4289.7	3857.9	3681.2	3582.8	3486.4	3450.3	3412.1	3394.0	3424.2
57.5°	3701.3	3890.1	3870.0	3468.3	3390.0	3247.4	3211.3	3187.2	3159.1	3171.1	2920.1
60°	3442.2	3586.8	3488.4	3183.2	3050.6	2954.2	2922.1	2906.0	2922.1	2677.1	2353.7
62.5°	3122.9	3285.6	3086.8	2849.8	2709.2	2663.0	2634.9	2657.0	2422.0	2152.9	2074.6
65°	2791.5	2968.3	2675.1	2492.3	2403.9	2363.8	2361.8	2175.0	1944.0	1839.6	1839.6
67.5°	2472.2	2655.0	2277.4	2124.8	2090.6	2094.7	1978.2	1695.0	1630.7	1560.5	1357.6
70°	2132.8	2293.5	1881.8	1789.4	1769.3	1755.3	1472.1	1395.8	1319.5	1132.7	1116.6
72.5°	1795.4	1873.7	1512.3	1490.2	1486.1	1235.1	1178.9	1048.3	960.0	937.9	927.8
75°	1468.1	1444.0	1194.9	1215.0	1024.2	935.9	845.5	769.2	757.1	749.1	186.8
77.5°	1158.8	1038.3	941.9	819.4	733.0	622.6	604.5	592.4	389.6	140.6	114.5
80°	843.5	672.8	626.6	532.2	453.9	435.8	445.8	136.6	108.4	90.4	78.3
82.5°	536.2	429.8	351.5	307.3	299.2	130.5	96.4	78.3	68.3	58.2	48.2
85°	287.2	190.8	176.7	148.6	88.4	60.2	50.2	38.2	32.1	26.1	24.1
87.5°	90.4	76.3	62.3	50.2	30.1	20.1	16.1	14.1	12.0	10.0	10.0
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°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6743.9	6747.9	6745.9	6751.9	6751.9	6759.9	6766.0	6772.0	6784.0	6790.1	6836.3
5°	6830.2	6840.3	6870.4	6898.5	6932.7	6942.7	7000.9	7015.0	7083.3	7091.3	7316.2
7.5°	7023.0	7061.2	7133.5	7205.8	7278.1	7324.3	7404.6	7454.8	7509.0	7557.2	7736.0
10°	7256.0	7320.3	7390.5	7462.8	7505.0	7593.4	7641.6	7649.6	7635.6	7557.2	7268.0
12.5°	7484.9	7549.2	7519.1	7533.1	7583.3	7426.7	7448.8	7336.3	7414.6	7027.0	6739.9
15°	7452.8	7448.8	7374.5	7133.5	7173.7	6874.4	6753.9	6661.5	6735.8	6695.7	6651.5
17.5°	7356.4	7173.7	7045.1	6755.9	6633.4	6549.1	6551.1	6553.1	6516.9	6555.1	6442.6
20°	6948.7	6743.9	6553.1	6450.7	6414.5	6354.3	6384.4	6354.3	6356.3	6368.3	6195.6
22.5°	6406.5	6344.2	6233.8	6265.9	6253.9	6308.1	6267.9	6205.7	6225.7	6135.4	6004.8
25°	6187.6	6115.3	6111.3	6123.3	6105.2	6081.1	6045.0	5950.6	5944.6	5916.5	5856.2
27.5°	5966.7	5970.7	5982.7	5946.6	5882.3	5834.1	5779.9	5733.7	5751.8	5719.6	5637.3
30°	5814.0	5812.0	5739.7	5707.6	5589.1	5591.1	5577.1	5548.9	5530.9	5532.9	5480.7
32.5°	5597.1	5534.9	5452.5	5412.4	5402.3	5366.2	5338.1	5344.1	5358.1	5307.9	5362.2
35°	5374.2	5245.7	5233.6	5199.5	5167.4	5143.3	5153.3	5113.1	5111.1	5105.1	4663.3
37.5°	5075.0	5012.7	5006.7	4970.5	4948.5	4942.4	4904.3	4910.3	4928.4	4960.5	3976.4
40°	4828.0	4771.7	4757.7	4755.7	4707.5	4703.4	4713.5	4751.6	4777.7	4576.9	3789.7
42.5°	4562.9	4566.9	4522.7	4494.6	4500.6	4518.7	4566.9	4434.3	3841.9	3661.1	3464.3
45°	4335.9	4315.8	4291.7	4283.7	4335.9	4299.8	3769.6	3478.4	3408.1	3400.1	2847.8
47.5°	4098.9	4092.9	4082.9	4088.9	3791.7	3380.0	3259.5	3221.3	3233.4	3225.3	2446.1
50°	3860.0	3868.0	3868.0	3378.0	3100.8	3032.5	3042.6	3076.7	2863.8	2673.0	2279.4
52.5°	3653.1	3590.8	3076.7	2900.0	2837.7	2867.9	2795.6	2528.5	2335.7	2223.2	2108.7
55°	3269.5	2811.6	2697.1	2669.0	2691.1	2424.0	2259.3	2086.6	2036.4	2024.4	1958.1
57.5°	2572.6	2480.3	2490.3	2377.8	2122.8	1972.2	1905.9	1881.8	1859.7	1843.6	160.7
60°	2275.4	2301.5	2106.7	1865.7	1763.3	1743.2	1727.1	1705.0	1701.0	1672.9	102.4
62.5°	2082.6	1831.6	1662.9	1602.6	1578.5	1572.5	1542.4	1532.3	1301.4	178.7	76.3
65°	1570.5	1468.1	1435.9	1421.9	1395.8	1395.8	1158.8	182.8	148.6	128.5	68.3
67.5°	1281.3	1273.3	1257.2	1239.1	843.5	176.7	154.6	134.6	116.5	102.4	60.2
70°	1084.5	1080.5	984.1	180.7	150.6	132.5	116.5	104.4	96.4	86.4	54.2
72.5°	889.7	180.7	152.6	132.5	114.5	104.4	94.4	84.3	76.3	70.3	44.2
75°	138.6	122.5	108.4	98.4	90.4	80.3	72.3	66.3	64.3	56.2	30.1
77.5°	100.4	86.4	78.3	70.3	62.3	56.2	48.2	42.2	38.2	32.1	22.1
80°	70.3	62.3	56.2	46.2	40.2	34.1	30.1	26.1	24.1	20.1	10.0
82.5°	40.2	34.1	30.1	24.1	22.1	18.1	16.1	14.1	14.1	10.0	10.0
85°	18.1	18.1	14.1	12.0	10.0	10.0	10.0	8.0	8.0	6.0	6.0
87.5°	8.0	8.0	8.0	8.0	8.0	6.0	6.0	6.0	6.0	6.0	4.0
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°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6900.5	6926.6	6976.8	7029.1	6970.8	7179.7	7163.6	7233.9	7272.1	7290.1	7332.3
5°	7515.1	7631.5	7669.7	7555.2	7489.0	7420.7	7266.0	7149.6	7163.6	7125.5	6986.9
7.5°	7503.0	7254.0	6918.6	6766.0	6753.9	6735.8	6784.0	6812.2	6816.2	6814.2	6810.1
10°	6868.4	6739.9	6717.8	6697.7	6705.7	6631.4	6597.3	6500.9	6553.1	6525.0	6535.0
12.5°	6675.6	6645.5	6527.0	6362.3	6460.7	6386.4	6344.2	6372.3	6340.2	6310.1	6300.0
15°	6561.1	6366.3	6300.0	6259.9	6231.8	6215.7	6229.8	6197.6	6187.6	6181.6	6195.6
17.5°	6324.1	6245.8	6173.5	6067.1	6069.1	6063.1	6103.2	6163.5	6167.5	5858.2	5579.1
20°	6137.4	6073.1	5980.7	5914.4	6004.8	5844.2	5223.6	4928.4	4882.2	4882.2	4890.2
22.5°	5988.8	5846.2	5852.2	5747.8	4902.3	4729.5	4733.6	4751.6	4669.3	4388.1	4358.0
25°	5785.9	5763.8	5324.0	4601.0	4607.0	4472.5	4265.6	3974.4	3659.1	3659.1	3606.9
27.5°	5633.3	5165.4	4522.7	4492.6	4040.7	3755.5	3578.8	3311.7	3275.5	3241.4	3245.4
30°	5502.7	4370.1	4386.1	3755.5	3422.1	3185.2	3171.1	3126.9	3104.8	3098.8	3076.7
32.5°	4350.0	4255.6	3671.2	3197.2	3066.7	3028.5	3010.4	2960.2	2958.2	2920.1	2655.0
35°	4078.9	3735.4	3072.7	2944.2	2906.0	2869.9	2839.7	1905.9	224.9	90.4	78.3
37.5°	3769.6	3120.9	2841.7	2783.5	2747.4	2030.4	202.8	70.3	50.2	36.1	32.1
40°	3195.2	2787.5	2699.2	2634.9	1086.5	70.3	44.2	34.1	20.1	18.1	16.1
42.5°	2695.1	2626.9	2532.5	771.2	80.3	34.1	22.1	16.1	14.1	14.1	12.0
45°	2522.4	2462.2	1020.2	76.3	50.2	16.1	14.1	14.1	12.0	8.0	8.0
47.5°	2361.8	2078.6	92.4	48.2	32.1	14.1	12.0	8.0	8.0	8.0	6.0
50°	2191.1	114.5	64.3	36.1	20.1	8.0	8.0	8.0	8.0	6.0	6.0
52.5°	409.7	80.3	52.2	32.1	10.0	8.0	8.0	8.0	6.0	6.0	6.0
55°	96.4	64.3	48.2	28.1	8.0	8.0	8.0	6.0	6.0	6.0	4.0
57.5°	72.3	48.2	38.2	26.1	8.0	6.0	6.0	6.0	6.0	6.0	4.0
60°	60.2	34.1	30.1	24.1	6.0	6.0	6.0	6.0	6.0	6.0	4.0
62.5°	42.2	28.1	22.1	18.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0
65°	34.1	22.1	18.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	30.1	18.1	12.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70°	24.1	6.0	6.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
72.5°	20.1	6.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
75°	20.1	10.0	4.0	4.0	6.0	6.0	8.0	8.0	6.0	6.0	6.0
77.5°	14.1	10.0	4.0	4.0	6.0	6.0	8.0	8.0	6.0	6.0	6.0
80°	8.0	10.0	4.0	6.0	6.0	12.0	14.1	8.0	6.0	6.0	6.0
82.5°	8.0	10.0	12.0	12.0	6.0	10.0	12.0	10.0	8.0	6.0	6.0
85°	8.0	6.0	8.0	10.0	6.0	10.0	10.0	8.0	8.0	6.0	6.0
87.5°	4.0	6.0	6.0	8.0	8.0	8.0	10.0	8.0	8.0	8.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	7352.4	7360.4	7233.9	7189.7	7227.9	7219.8	7185.7	7059.2	7045.1	6960.8	6838.3
5°	7027.0	7081.3	7015.0	7129.5	7075.2	7129.5	7294.2	7370.5	7495.0	7571.3	7599.4
7.5°	6800.1	6812.2	6812.2	6822.2	6832.2	6834.2	6822.2	6814.2	6780.0	6737.9	6814.2
10°	6525.0	6539.0	6563.1	6559.1	6557.1	6599.3	6609.3	6695.7	6691.7	6707.7	6766.0
12.5°	6382.4	6273.9	6372.3	6346.2	6382.4	6326.1	6430.6	6412.5	6418.5	6466.7	6591.2
15°	6145.4	6179.5	6203.6	6203.6	6217.7	6205.7	6193.6	6275.9	6326.1	6328.2	6320.1
17.5°	5689.5	5430.4	5695.5	5627.3	6171.5	6185.6	6139.4	6101.2	6101.2	6131.3	6195.6
20°	4884.2	4890.2	4892.2	4918.3	4950.5	4948.5	4950.5	5741.7	6117.3	6030.9	5972.7
22.5°	4281.7	4207.4	4346.0	4335.9	4508.6	4699.4	4882.2	4864.1	4876.2	5434.5	5936.5
25°	3432.2	3528.6	3450.3	3484.4	3679.2	3906.1	4046.7	4414.2	4813.9	4785.8	4916.3
27.5°	3231.4	3205.2	3241.4	3241.4	3267.5	3297.6	3376.0	3582.8	3938.3	4311.8	4665.3
30°	3040.6	3062.7	3066.7	3102.8	3122.9	3143.0	3155.0	3233.4	3313.7	3572.8	4008.6
32.5°	2283.4	2002.3	2634.9	2805.6	2950.2	2984.3	3008.4	3040.6	3098.8	3137.0	3355.9
35°	66.3	66.3	70.3	80.3	102.4	690.9	2630.9	2900.0	2938.1	2986.3	3026.5
37.5°	32.1	24.1	28.1	30.1	36.1	50.2	72.3	224.9	2504.4	2831.7	2875.9
40°	14.1	14.1	14.1	14.1	16.1	20.1	30.1	50.2	76.3	2014.3	2717.2
42.5°	12.0	12.0	12.0	12.0	12.0	12.0	14.1	18.1	36.1	86.4	1425.9
45°	8.0	8.0	6.0	8.0	8.0	10.0	12.0	12.0	16.1	54.2	98.4
47.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	10.0	12.0	36.1	52.2
50°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	28.1	36.1
52.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	12.0	32.1
55°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	8.0	28.1
57.5°	4.0	4.0	4.0	4.0	4.0	6.0	4.0	4.0	6.0	6.0	26.1
60°	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	24.1
62.5°	6.0	6.0	4.0	6.0	4.0	4.0	6.0	6.0	6.0	6.0	16.1
65°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0	6.0
67.5°	6.0	6.0	6.0	6.0	4.0	6.0	4.0	6.0	6.0	4.0	4.0
70°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
72.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
75°	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	4.0	4.0	4.0
77.5°	6.0	6.0	6.0	6.0	6.0	6.0	10.0	12.0	10.0	10.0	4.0
80°	6.0	6.0	6.0	6.0	6.0	6.0	10.0	10.0	10.0	10.0	14.1
82.5°	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0	10.0
85°	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0	6.0	8.0
87.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	6.0	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6848.3	6780.0	6757.9	6711.7	6707.7	6711.7	6701.7	6687.6	6695.7	6681.6	6669.6
5°	7615.5	7432.7	7314.2	7155.6	6936.7	6888.5	6876.4	6808.1	6784.0	6776.0	6743.9
7.5°	6994.9	7328.3	7529.1	7597.4	7340.3	7280.1	7209.8	7153.6	7099.3	6996.9	6934.7
10°	6719.8	6735.8	6928.6	7153.6	7519.1	7569.3	7607.4	7484.9	7450.8	7189.7	7133.5
12.5°	6655.5	6657.5	6679.6	6816.2	7103.4	7135.5	7270.1	7342.3	7430.7	7480.9	7440.8
15°	6362.3	6525.0	6645.5	6657.5	6683.6	6739.9	6780.0	7031.1	7137.5	7422.7	7406.6
17.5°	6225.7	6277.9	6452.7	6595.3	6571.2	6551.1	6583.2	6617.4	6719.8	7005.0	7000.9
20°	5998.8	6165.5	6259.9	6408.5	6543.0	6549.1	6512.9	6492.8	6452.7	6498.9	6541.0
22.5°	5902.4	5928.5	6105.2	6209.7	6362.3	6416.5	6424.6	6426.6	6404.5	6380.4	6368.3
25°	5892.4	5810.0	5900.4	6030.9	6143.4	6201.6	6267.9	6290.0	6282.0	6282.0	6269.9
27.5°	4821.9	5783.9	5735.7	5822.1	5958.6	5998.8	6032.9	6101.2	6143.4	6173.5	6187.6
30°	4593.0	4765.7	5607.2	5619.2	5757.8	5753.8	5791.9	5848.2	5902.4	5972.7	5990.8
32.5°	4062.8	4486.5	5133.2	5416.4	5561.0	5575.0	5595.1	5611.2	5661.4	5739.7	5808.0
35°	3255.5	4086.9	4398.2	5320.0	5346.1	5374.2	5386.3	5424.4	5440.5	5472.6	5532.9
37.5°	2946.2	3378.0	4219.4	4601.0	5099.1	5123.2	5187.4	5203.5	5229.6	5255.7	5301.9
40°	2767.4	2885.9	3512.5	4109.0	4900.3	4916.3	4938.4	4978.6	4980.6	5010.7	5052.9
42.5°	2624.8	2701.2	2883.9	3924.2	4759.7	4757.7	4705.4	4731.6	4743.6	4775.7	4834.0
45°	2096.7	2534.5	2651.0	3205.2	3789.7	4062.8	4587.0	4500.6	4498.6	4510.6	4572.9
47.5°	106.4	2383.9	2466.2	2644.9	3578.8	3588.8	3657.1	4231.5	4319.9	4291.7	4297.8
50°	72.3	164.7	2297.5	2379.8	3084.8	3333.8	3384.0	3410.1	3741.5	4111.0	4050.7
52.5°	56.2	94.4	1407.8	2209.1	2506.4	2689.1	3012.5	3197.2	3217.3	3365.9	3870.0
55°	50.2	72.3	152.6	2038.4	2130.8	2171.0	2359.8	2683.1	2944.2	3022.5	3028.5
57.5°	44.2	66.3	104.4	921.8	1938.0	1946.0	1978.2	2090.6	2325.6	2540.5	2783.5
60°	40.2	58.2	82.3	158.7	1761.3	1781.4	1787.4	1817.5	1845.6	1992.2	2271.4
62.5°	24.1	46.2	72.3	114.5	1393.8	1600.6	1598.6	1618.7	1644.8	1660.9	1717.1
65°	20.1	36.1	62.3	96.4	170.7	212.9	1293.3	1437.9	1454.0	1476.1	1486.1
67.5°	18.1	32.1	46.2	76.3	128.5	146.6	168.7	208.9	1140.7	1285.3	1305.4
70°	16.1	22.1	38.2	64.3	104.4	112.5	126.5	144.6	170.7	210.9	1032.3
72.5°	10.0	16.1	26.1	46.2	80.3	90.4	98.4	110.5	122.5	146.6	168.7
75°	4.0	12.0	22.1	34.1	62.3	68.3	74.3	82.3	92.4	108.4	120.5
77.5°	4.0	10.0	18.1	24.1	40.2	46.2	54.2	60.2	68.3	76.3	88.4
80°	14.1	8.0	12.0	18.1	28.1	30.1	34.1	38.2	44.2	50.2	58.2
82.5°	10.0	12.0	14.1	12.0	14.1	18.1	20.1	24.1	26.1	30.1	32.1
85°	8.0	8.0	10.0	10.0	10.0	10.0	10.0	10.0	12.0	14.1	18.1
87.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6669.6	6665.6	6653.5	6653.5	6651.5	6659.5	6665.6	6671.6	6669.6	6681.6	6669.6
5°	6719.8	6709.7	6691.7	6675.6	6669.6	6673.6	6667.6	6673.6	6665.6	6675.6	6657.5
7.5°	6858.3	6824.2	6753.9	6725.8	6689.7	6687.6	6669.6	6665.6	6653.5	6653.5	6631.4
10°	7103.4	6938.7	6918.6	6834.2	6804.1	6657.5	6689.7	6635.4	6629.4	6603.3	6593.3
12.5°	7304.2	7175.7	7137.5	7063.2	6978.8	6681.6	6747.9	6631.4	6625.4	6573.2	6518.9
15°	7308.2	7382.5	7278.1	7073.2	7055.2	6850.3	6715.8	6675.6	6623.4	6466.7	6492.8
17.5°	7073.2	7243.9	7294.2	7250.0	7121.4	6982.9	6794.1	6713.8	6557.1	6486.8	6438.6
20°	6691.7	6864.4	7079.3	7093.3	7173.7	7075.2	6828.2	6697.7	6508.9	6386.4	6346.2
22.5°	6388.4	6514.9	6762.0	6876.4	6974.8	7009.0	6852.3	6659.5	6424.6	6306.1	6282.0
25°	6227.7	6255.9	6330.2	6464.7	6681.6	6838.3	6860.4	6655.5	6533.0	6273.9	6137.4
27.5°	6169.5	6145.4	6115.3	6183.6	6346.2	6537.0	6663.5	6697.7	6392.4	6145.4	6008.8
30°	6020.9	6034.9	5988.8	5964.7	6071.1	6267.9	6492.8	6549.1	6314.1	6059.0	5902.4
32.5°	5838.1	5862.2	5870.3	5828.1	5806.0	5942.6	6185.6	6320.1	6308.1	5936.5	5761.8
35°	5609.2	5677.5	5695.5	5697.6	5661.4	5639.3	5779.9	6059.0	6165.5	5880.3	5627.3
37.5°	5368.2	5388.3	5486.7	5512.8	5512.8	5446.5	5550.9	5773.9	5922.5	5753.8	5462.6
40°	5066.9	5131.2	5223.6	5269.8	5316.0	5322.0	5263.8	5420.4	5665.4	5623.2	5307.9
42.5°	4848.0	4890.2	4946.4	5008.7	5103.1	5127.2	5066.9	5095.1	5350.1	5460.6	5107.1
45°	4593.0	4649.2	4665.3	4733.6	4832.0	4902.3	4900.3	4842.0	5046.9	5183.4	4960.5
47.5°	4331.9	4386.1	4414.2	4448.4	4520.7	4611.1	4661.3	4635.2	4675.3	4942.4	4765.7
50°	4062.8	4092.9	4149.2	4187.3	4235.5	4287.7	4408.2	4432.3	4376.1	4589.0	4550.8
52.5°	3807.7	3817.8	3855.9	3894.1	3958.4	3996.5	4092.9	4165.2	4161.2	4223.5	4311.8
55°	3608.9	3564.7	3572.8	3602.9	3645.1	3703.3	3757.5	3870.0	3908.2	3920.2	4060.8
57.5°	2819.7	3273.5	3313.7	3311.7	3361.9	3388.0	3438.2	3512.5	3649.1	3619.0	3775.6
60°	2562.6	2612.8	2992.4	3036.6	3054.6	3078.7	3139.0	3207.3	3307.7	3371.9	3440.2
62.5°	1954.1	2259.3	2373.8	2709.2	2761.4	2775.5	2815.6	2847.8	2952.2	3098.8	3070.7
65°	1512.3	1642.8	1992.2	2128.8	2414.0	2450.1	2506.4	2540.5	2570.6	2739.3	2747.4
67.5°	1307.4	1327.5	1421.9	1685.0	1865.7	2144.9	2179.0	2209.1	2255.3	2375.8	2450.1
70°	1116.6	1140.7	1166.8	1188.9	1423.9	1608.6	1867.7	1877.8	1907.9	1988.2	2156.9
72.5°	210.9	953.9	970.0	984.1	1010.2	1132.7	1379.7	1580.5	1592.6	1630.7	1785.4
75°	142.6	166.7	228.9	787.3	813.4	821.4	863.6	1114.6	1299.4	1307.4	1375.7
77.5°	102.4	114.5	138.6	164.7	419.7	630.6	640.6	686.8	877.6	1016.2	1028.3
80°	70.3	78.3	92.4	104.4	128.5	168.7	465.9	480.0	504.1	694.9	731.0
82.5°	40.2	46.2	54.2	66.3	76.3	96.4	124.5	160.7	327.4	349.4	463.9
85°	20.1	22.1	26.1	32.1	38.2	46.2	62.3	76.3	104.4	188.8	194.8
87.5°	10.0	10.0	10.0	10.0	16.1	18.1	22.1	28.1	36.1	54.2	70.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6671.6	6699.7	6723.8	6729.8	6729.8	6733.8	6739.9	6743.9	6747.9	6751.9	6747.9
5°	6659.5	6689.7	6709.7	6715.8	6715.8	6727.8	6737.9	6749.9	6755.9	6755.9	6751.9
7.5°	6629.4	6651.5	6677.6	6693.7	6695.7	6715.8	6733.8	6731.8	6739.9	6743.9	6753.9
10°	6589.2	6589.2	6633.4	6645.5	6655.5	6677.6	6683.6	6695.7	6723.8	6727.8	6753.9
12.5°	6569.2	6549.1	6601.3	6607.3	6641.5	6613.3	6649.5	6661.5	6633.4	6671.6	6621.4
15°	6478.8	6502.9	6494.8	6512.9	6573.2	6541.0	6639.4	6607.3	6679.6	6593.3	6745.9
17.5°	6404.5	6400.5	6432.6	6448.7	6460.7	6529.0	6555.1	6591.2	6619.4	6595.3	6655.5
20°	6350.2	6318.1	6342.2	6360.3	6402.5	6454.7	6470.7	6416.5	6510.9	6671.6	6709.7
22.5°	6247.8	6225.7	6253.9	6253.9	6318.1	6310.1	6370.3	6336.2	6424.6	6611.3	6806.1
25°	6109.3	6111.3	6141.4	6177.5	6189.6	6280.0	6312.1	6356.3	6466.7	6689.7	6808.1
27.5°	5968.7	5956.6	5974.7	6049.0	6111.3	6177.5	6187.6	6338.2	6488.8	6641.5	6745.9
30°	5828.1	5816.0	5828.1	5882.3	5956.6	6000.8	6111.3	6312.1	6452.7	6557.1	6655.5
32.5°	5677.5	5665.4	5693.5	5733.7	5864.2	5870.3	6089.2	6277.9	6388.4	6464.7	6446.6
35°	5516.8	5500.7	5526.8	5589.1	5709.6	5753.8	5982.7	6123.3	6247.8	6284.0	6199.6
37.5°	5324.0	5295.9	5328.0	5414.4	5540.9	5669.4	5860.2	6022.9	6089.2	5992.8	5892.4
40°	5123.2	5103.1	5159.3	5203.5	5352.1	5530.9	5749.8	5864.2	5822.1	5711.6	5601.2
42.5°	4944.4	4902.3	4952.5	5036.8	5205.5	5408.4	5585.1	5649.4	5548.9	5386.3	5257.7
45°	4725.5	4675.3	4735.6	4848.0	5028.8	5259.7	5398.3	5376.2	5205.5	5064.9	4888.2
47.5°	4496.6	4436.3	4496.6	4631.1	4834.0	5079.0	5179.4	5079.0	4864.1	4687.4	4544.8
50°	4271.7	4201.4	4259.6	4462.4	4661.3	4850.0	4848.0	4653.2	4524.7	4331.9	4207.4
52.5°	4048.7	3948.3	4006.6	4227.5	4426.3	4641.2	4482.5	4301.8	4147.1	3978.4	3938.3
55°	3773.6	3665.1	3743.5	4064.8	4217.4	4344.0	4090.9	3932.3	3779.6	3695.3	3645.1
57.5°	3512.5	3394.0	3462.3	3841.9	3954.3	3986.5	3753.5	3528.6	3438.2	3410.1	3337.8
60°	3243.4	3108.9	3173.1	3610.9	3689.2	3558.7	3329.8	3155.0	3137.0	3080.7	3024.5
62.5°	2986.3	2837.7	2877.9	3323.7	3359.9	3122.9	2912.0	2865.8	2821.7	2765.4	2735.3
65°	2691.1	2536.5	2592.7	3018.5	2984.3	2679.1	2560.6	2550.5	2492.3	2446.1	2490.3
67.5°	2420.0	2237.2	2315.6	2685.1	2530.5	2281.4	2233.2	2209.1	2162.9	2189.0	1725.1
70°	2122.8	1924.0	2030.4	2325.6	2096.7	1932.0	1913.9	1877.8	1879.8	1494.2	1259.2
72.5°	1791.4	1618.7	1773.3	1932.0	1658.9	1610.7	1584.5	1580.5	1275.3	1036.3	978.0
75°	1500.2	1325.5	1492.2	1552.4	1321.5	1289.3	1287.3	1064.4	837.5	799.3	781.2
77.5°	1170.8	1036.3	1194.9	1104.6	1014.2	978.0	877.6	658.7	630.6	604.5	226.9
80°	789.3	799.3	891.7	761.1	723.0	616.5	486.0	465.9	401.7	160.7	126.5
82.5°	480.0	602.5	568.3	476.0	465.9	335.4	307.3	156.6	116.5	92.4	80.3
85°	249.0	305.3	293.2	259.1	192.8	172.7	96.4	74.3	60.2	46.2	38.2
87.5°	84.3	112.5	108.4	86.4	66.3	52.2	34.1	28.1	20.1	16.1	14.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6743.9	6743.9	6739.9	6743.9	6745.9	6741.9	6741.9	6745.9	6747.9	6749.9	6759.9
5°	6753.9	6757.9	6764.0	6776.0	6778.0	6802.1	6812.2	6818.2	6824.2	6826.2	6812.2
7.5°	6776.0	6790.1	6802.1	6800.1	6786.0	6747.9	6735.8	6725.8	6743.9	6790.1	6844.3
10°	6796.1	6731.8	6611.3	6776.0	6725.8	6772.0	6908.6	6938.7	7031.1	7161.6	7199.8
12.5°	6657.5	6834.2	6872.4	6687.6	7029.1	6902.5	7053.2	7185.7	7223.9	7356.4	7276.1
15°	6806.1	6892.5	6950.7	7135.5	7115.4	7223.9	7266.0	7239.9	7246.0	7280.1	7370.5
17.5°	6804.1	6976.8	7015.0	7139.5	7223.9	7225.9	7213.8	7201.8	7233.9	7260.0	7205.8
20°	6920.6	6976.8	7051.1	7101.4	7117.4	7137.5	7175.7	7145.5	7085.3	7027.0	7002.9
22.5°	6862.4	6988.9	7053.2	7061.2	7051.1	6988.9	6932.7	6848.3	6820.2	6790.1	6800.1
25°	6874.4	6932.7	6924.6	6892.5	6850.3	6733.8	6705.7	6669.6	6615.3	6484.8	6366.3
27.5°	6788.1	6757.9	6721.8	6643.5	6567.1	6504.9	6434.6	6318.1	6221.7	6081.1	6028.9
30°	6643.5	6523.0	6434.6	6388.4	6314.1	6209.7	6103.2	5960.6	5838.1	5810.0	5783.9
32.5°	6366.3	6247.8	6175.5	6063.1	5936.5	5812.0	5689.5	5633.3	5607.2	5611.2	5587.1
35°	6083.1	5978.7	5870.3	5701.6	5607.2	5482.7	5438.5	5426.4	5402.3	5376.2	5348.1
37.5°	5781.9	5659.4	5496.7	5396.3	5301.9	5251.7	5229.6	5211.5	5169.4	5123.2	5091.0
40°	5490.7	5269.8	5179.4	5081.0	5052.9	5030.8	4998.7	4954.5	4896.2	4888.2	4874.1
42.5°	5101.1	4942.4	4864.1	4844.0	4809.9	4771.7	4743.6	4695.4	4671.3	4687.4	4699.4
45°	4731.6	4651.2	4625.1	4601.0	4536.8	4482.5	4464.5	4448.4	4468.5	4556.8	4346.0
47.5°	4432.3	4400.2	4368.1	4327.9	4267.6	4227.5	4245.5	4261.6	4279.7	3631.0	3313.7
50°	4173.2	4129.1	4078.9	4034.7	3998.5	3994.5	4088.9	3805.7	3187.2	3171.1	2849.8
52.5°	3890.1	3823.8	3793.7	3767.6	3783.6	3843.9	3181.1	2952.2	2831.7	2460.2	2295.5
55°	3584.8	3526.6	3526.6	3550.7	3464.3	2807.6	2773.5	2397.9	2171.0	2106.7	2080.6
57.5°	3279.6	3273.5	3307.7	3024.5	2548.5	2444.1	2054.5	1972.2	1936.0	1928.0	1885.8
60°	3000.4	3056.6	2558.6	2353.7	2046.5	1845.6	1789.4	1779.4	1741.2	1727.1	1689.0
62.5°	2777.5	2303.5	2144.9	1751.2	1648.8	1622.7	1592.6	1578.5	1544.4	1363.6	399.7
65°	2006.3	1895.8	1538.4	1472.1	1464.1	1425.9	1413.8	1271.3	299.2	200.8	170.7
67.5°	1514.3	1343.6	1297.4	1285.3	1247.2	1170.8	347.4	198.8	170.7	148.6	130.5
70°	1162.8	1132.7	1098.5	1070.4	315.3	196.8	170.7	144.6	124.5	110.5	100.4
72.5°	951.9	931.9	542.2	206.9	168.7	142.6	126.5	110.5	96.4	88.4	80.3
75°	745.1	206.9	170.7	142.6	122.5	104.4	92.4	82.3	74.3	68.3	62.3
77.5°	168.7	136.6	116.5	98.4	88.4	78.3	70.3	60.2	54.2	48.2	40.2
80°	104.4	90.4	76.3	70.3	60.2	50.2	44.2	40.2	32.1	30.1	26.1
82.5°	68.3	54.2	48.2	40.2	32.1	30.1	26.1	20.1	18.1	16.1	14.1
85°	30.1	26.1	22.1	18.1	14.1	12.0	10.0	8.0	8.0	8.0	8.0
87.5°	10.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6764.0	6800.1	6834.2	6824.2	6788.1	6731.8	6715.8	6693.7	6709.7	6743.9	6757.9
5°	6812.2	6792.1	6864.4	6970.8	7143.5	7159.6	7280.1	7308.2	7404.6	7464.9	7462.8
7.5°	6880.4	7165.6	7284.1	7412.6	7470.9	7456.8	7474.9	7460.8	7438.7	7428.7	7416.7
10°	7227.9	7444.8	7489.0	7489.0	7398.6	7276.1	7223.9	7133.5	6952.7	6956.8	6926.6
12.5°	7430.7	7507.0	7402.6	7314.2	6950.7	6810.1	6657.5	6585.2	6543.0	6478.8	6502.9
15°	7324.3	7215.8	7153.6	6868.4	6645.5	6392.4	6396.4	6352.3	6306.1	6310.1	6280.0
17.5°	7167.6	7081.3	6639.4	6442.6	6334.2	6235.8	6217.7	6159.5	6129.3	6119.3	6117.3
20°	6952.7	6641.5	6312.1	6263.9	6133.4	6020.9	6002.8	6020.9	6113.3	5948.6	5390.3
22.5°	6701.7	6253.9	6157.5	6020.9	5932.5	5888.3	5998.8	5496.7	4737.6	4830.0	4731.6
25°	6275.9	6081.1	5916.5	5812.0	5802.0	5530.9	4609.1	4512.7	4024.6	3763.6	3470.3
27.5°	5964.7	5880.3	5707.6	5689.5	5559.0	4522.7	4042.7	3512.5	3317.7	3287.6	3223.3
30°	5775.9	5655.4	5550.9	5095.1	4436.3	3641.1	3243.4	3169.1	3135.0	3098.8	3042.6
32.5°	5548.9	5434.5	5484.7	4283.7	3536.6	3135.0	3054.6	3000.4	2938.1	2914.0	2711.2
35°	5318.0	5265.8	4285.7	3600.9	3040.6	2944.2	2883.9	2827.7	2249.3	544.2	184.8
37.5°	5071.0	5058.9	3851.9	2988.4	2847.8	2757.4	2586.7	534.2	126.5	86.4	64.3
40°	4878.2	3853.9	3044.6	2801.6	2687.1	2544.5	357.5	88.4	56.2	34.1	22.1
42.5°	4749.6	3466.3	2725.3	2628.9	2379.8	263.1	90.4	38.2	22.1	18.1	14.1
45°	3661.1	2737.3	2546.5	2446.1	301.2	90.4	52.2	18.1	14.1	12.0	8.0
47.5°	3378.0	2486.3	2373.8	534.2	100.4	48.2	36.1	12.0	8.0	8.0	8.0
50°	2558.6	2297.5	1889.8	130.5	64.3	34.1	26.1	8.0	8.0	8.0	6.0
52.5°	2243.3	2120.8	202.8	86.4	50.2	26.1	16.1	6.0	6.0	6.0	6.0
55°	2050.5	1345.6	120.5	66.3	42.2	24.1	10.0	6.0	6.0	6.0	4.0
57.5°	1875.8	180.7	88.4	56.2	38.2	22.1	6.0	6.0	6.0	6.0	4.0
60°	1590.6	130.5	72.3	50.2	36.1	20.1	6.0	6.0	6.0	6.0	6.0
62.5°	206.9	102.4	62.3	44.2	26.1	16.1	4.0	6.0	6.0	6.0	6.0
65°	150.6	80.3	56.2	30.1	16.1	6.0	4.0	6.0	6.0	6.0	6.0
67.5°	116.5	66.3	42.2	26.1	14.1	4.0	4.0	6.0	6.0	6.0	6.0
70°	92.4	56.2	34.1	22.1	12.0	4.0	4.0	6.0	6.0	6.0	6.0
72.5°	72.3	40.2	24.1	12.0	8.0	4.0	4.0	6.0	6.0	6.0	6.0
75°	54.2	32.1	18.1	10.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0
77.5°	36.1	20.1	14.1	8.0	8.0	8.0	10.0	10.0	6.0	6.0	6.0
80°	24.1	14.1	10.0	10.0	10.0	8.0	10.0	10.0	6.0	10.0	6.0
82.5°	12.0	10.0	10.0	8.0	8.0	6.0	8.0	8.0	8.0	8.0	6.0
85°	8.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	6.0
87.5°	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	8.0	8.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6739.9	6745.9	6729.8	6816.2	6772.0	6776.0	6794.1	6747.9	6757.9	6725.8	6703.7
5°	7470.9	7482.9	7495.0	7499.0	7507.0	7517.1	7505.0	7499.0	7486.9	7446.8	7404.6
7.5°	7356.4	7342.3	7336.3	7344.4	7358.4	7364.4	7354.4	7368.5	7420.7	7442.8	7456.8
10°	6753.9	6689.7	6733.8	6727.8	6677.6	6846.3	6800.1	6826.2	6844.3	7029.1	7141.5
12.5°	6466.7	6506.9	6430.6	6392.4	6442.6	6476.8	6510.9	6438.6	6539.0	6492.8	6641.5
15°	6225.7	6201.6	6193.6	6195.6	6185.6	6233.8	6245.8	6261.9	6275.9	6338.2	6362.3
17.5°	6117.3	6157.5	6173.5	6185.6	6165.5	6143.4	6121.3	6089.2	6099.2	6083.1	6129.3
20°	5014.7	4880.2	4872.1	4950.5	4864.1	4912.3	5028.8	5808.0	5781.9	6085.2	5982.7
22.5°	4185.3	4058.8	3950.3	3855.9	3990.5	4046.7	4263.6	4508.6	4906.3	4844.0	5275.8
25°	3418.1	3371.9	3343.8	3329.8	3339.8	3335.8	3384.0	3498.5	3679.2	4105.0	4655.2
27.5°	3197.2	3175.1	3165.1	3132.9	3157.0	3149.0	3187.2	3211.3	3265.5	3307.7	3486.4
30°	3022.5	2996.4	2978.3	2944.2	2968.3	2970.3	2982.3	3044.6	3066.7	3102.8	3159.1
32.5°	1104.6	650.7	610.5	580.4	634.6	827.4	1452.0	2538.5	2896.0	2924.1	2988.4
35°	108.4	90.4	80.3	80.3	82.3	90.4	120.5	317.3	580.4	2243.3	2807.6
37.5°	42.2	36.1	30.1	28.1	30.1	34.1	46.2	60.2	82.3	170.7	761.1
40°	18.1	16.1	14.1	14.1	14.1	14.1	16.1	20.1	30.1	56.2	88.4
42.5°	12.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	14.1	18.1	36.1
45°	8.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	10.0	16.1
47.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0
50°	6.0	6.0	6.0	6.0	4.0	6.0	4.0	6.0	6.0	6.0	6.0
52.5°	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0
55°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0
57.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
60°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
62.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	4.0
65°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	4.0
67.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
70°	6.0	6.0	4.0	6.0	4.0	4.0	6.0	6.0	6.0	4.0	4.0
72.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	12.0	12.0	8.0
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	10.0	12.0	10.0
77.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	10.0	10.0	10.0
80°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0
82.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0
85°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6665.6	6663.5	6705.7	6737.9	6725.8	6737.9	6751.9	6753.9	6757.9	6741.9	6735.8
5°	7324.3	7262.0	7141.5	7055.2	6954.7	6772.0	6681.6	6691.7	6693.7	6687.6	6695.7
7.5°	7450.8	7444.8	7402.6	7384.5	7316.2	7185.7	6976.8	6940.7	6852.3	6796.1	6749.9
10°	7133.5	7278.1	7316.2	7380.5	7420.7	7396.6	7219.8	7193.7	7137.5	7073.2	7087.3
12.5°	6790.1	6908.6	6914.6	7264.0	7342.3	7350.4	7282.1	7318.2	7326.3	7181.7	7097.3
15°	6368.3	6424.6	6543.0	6868.4	7105.4	7254.0	7298.2	7318.2	7219.8	7213.8	7179.7
17.5°	6183.6	6219.7	6273.9	6456.7	6816.2	7035.1	7221.9	7207.8	7246.0	7217.8	7131.5
20°	5950.6	5980.7	6077.1	6169.5	6346.2	6637.4	6986.9	7013.0	7063.2	7057.2	7081.3
22.5°	5946.6	5840.1	5856.2	5928.5	6113.3	6374.3	6745.9	6832.2	6864.4	6886.5	6912.6
25°	4717.5	5563.0	5717.6	5763.8	5884.3	6037.0	6474.8	6506.9	6567.1	6665.6	6737.9
27.5°	4086.9	4661.3	5279.8	5601.2	5677.5	5804.0	6065.1	6113.3	6318.1	6342.2	6454.7
30°	3225.3	3669.2	4593.0	5366.2	5492.7	5581.1	5765.8	5862.2	5950.6	6047.0	6165.5
32.5°	3034.5	3104.8	3617.0	4440.4	5424.4	5358.1	5494.7	5553.0	5649.4	5733.7	5820.1
35°	2859.8	2908.0	3016.5	3637.0	4418.3	5175.4	5267.8	5305.9	5360.2	5424.4	5486.7
37.5°	2677.1	2749.4	2823.7	2990.4	4086.9	5030.8	5028.8	5073.0	5105.1	5159.3	5211.5
40°	486.0	2524.4	2644.9	2753.4	3169.1	4012.6	4803.9	4823.9	4846.0	4880.2	4934.4
42.5°	78.3	421.7	2478.2	2582.7	2701.2	3592.9	4701.4	4619.1	4605.0	4629.1	4677.3
45°	40.2	102.4	498.1	2412.0	2518.4	2865.8	3843.9	4476.5	4462.4	4416.3	4426.3
47.5°	30.1	64.3	122.5	833.4	2357.7	2460.2	3546.7	3508.5	3775.6	4287.7	4209.4
50°	26.1	44.2	72.3	170.7	2082.6	2265.4	2731.3	3191.2	3331.8	3349.8	3964.4
52.5°	24.1	30.1	52.2	110.5	437.8	2094.7	2221.2	2381.8	2618.8	3126.9	3114.9
55°	22.1	28.1	44.2	74.3	152.6	1887.8	2018.3	2048.5	2098.7	2341.7	2663.0
57.5°	12.0	26.1	42.2	64.3	114.5	345.4	1831.6	1855.7	1895.8	1905.9	2020.4
60°	6.0	24.1	38.2	56.2	84.3	160.7	1646.8	1674.9	1699.0	1703.0	1739.2
62.5°	4.0	22.1	32.1	52.2	70.3	114.5	389.6	795.3	1512.3	1512.3	1554.4
65°	4.0	16.1	20.1	34.1	64.3	94.4	164.7	190.8	371.5	913.8	1363.6
67.5°	4.0	6.0	18.1	28.1	48.2	72.3	120.5	140.6	168.7	192.8	357.5
70°	4.0	4.0	16.1	18.1	30.1	54.2	86.4	98.4	114.5	130.5	150.6
72.5°	4.0	4.0	14.1	14.1	20.1	36.1	66.3	72.3	82.3	92.4	106.4
75°	10.0	8.0	12.0	12.0	14.1	28.1	50.2	56.2	60.2	68.3	78.3
77.5°	10.0	10.0	10.0	10.0	10.0	18.1	32.1	36.1	42.2	46.2	54.2
80°	8.0	8.0	8.0	10.0	10.0	12.0	20.1	22.1	24.1	30.1	32.1
82.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	12.0	14.1	18.1
85°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0
87.5°	6.0	6.0	6.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6733.8	6721.8	6711.7	6717.8	6699.7	6691.7	6697.7	6699.7	6703.7	6713.8	6715.8
5°	6715.8	6711.7	6729.8	6739.9	6735.8	6739.9	6739.9	6731.8	6719.8	6727.8	6709.7
7.5°	6703.7	6677.6	6657.5	6661.5	6641.5	6665.6	6687.6	6719.8	6729.8	6729.8	6709.7
10°	6910.6	6882.4	6770.0	6693.7	6643.5	6599.3	6703.7	6597.3	6647.5	6456.7	6675.6
12.5°	7081.3	7119.4	7069.2	6860.4	6824.2	6691.7	6768.0	6637.4	6599.3	6380.4	6450.7
15°	7149.6	7077.3	7061.2	7002.9	6924.6	6886.5	6681.6	6659.5	6597.3	6621.4	6529.0
17.5°	7089.3	7125.5	7077.3	7039.1	6958.8	6868.4	6745.9	6637.4	6551.1	6358.3	6521.0
20°	7031.1	7079.3	6934.7	6958.8	6966.8	6862.4	6798.1	6707.7	6599.3	6418.5	6277.9
22.5°	6934.7	6900.5	6912.6	6876.4	6846.3	6860.4	6772.0	6709.7	6527.0	6444.6	6253.9
25°	6778.0	6766.0	6798.1	6794.1	6721.8	6697.7	6653.5	6587.2	6514.9	6382.4	6225.7
27.5°	6523.0	6585.2	6641.5	6667.6	6629.4	6565.1	6541.0	6502.9	6452.7	6318.1	6201.6
30°	6253.9	6324.1	6388.4	6444.6	6478.8	6450.7	6428.6	6406.5	6330.2	6241.8	6111.3
32.5°	5946.6	6039.0	6127.3	6195.6	6269.9	6292.0	6275.9	6257.9	6193.6	6113.3	6008.8
35°	5591.1	5717.6	5846.2	5968.7	6000.8	6053.0	6105.2	6075.1	6041.0	5960.6	5864.2
37.5°	5289.9	5380.2	5472.6	5627.3	5739.7	5806.0	5898.4	5910.4	5852.2	5814.0	5687.5
40°	4978.6	5060.9	5195.5	5285.8	5440.5	5516.8	5615.2	5659.4	5645.3	5623.2	5512.8
42.5°	4733.6	4773.7	4862.1	4942.4	5095.1	5251.7	5338.1	5386.3	5436.5	5418.4	5362.2
45°	4472.5	4508.6	4538.8	4609.1	4757.7	4896.2	5002.7	5075.0	5165.4	5207.5	5139.2
47.5°	4213.4	4223.5	4259.6	4317.8	4406.2	4512.7	4691.4	4799.8	4884.2	4966.5	4922.3
50°	4014.6	3978.4	3984.5	4020.6	4092.9	4197.3	4325.9	4478.5	4574.9	4675.3	4685.4
52.5°	3508.5	3801.7	3731.4	3751.5	3789.7	3839.9	3974.4	4125.1	4243.5	4329.9	4416.3
55°	2944.2	3002.4	3566.7	3486.4	3510.5	3554.7	3617.0	3767.6	3882.0	4002.5	4123.0
57.5°	2283.4	2717.2	2739.3	3261.5	3249.4	3253.4	3305.7	3392.0	3506.5	3657.1	3759.5
60°	1775.3	1958.1	2313.6	2494.3	2952.2	2968.3	2998.4	3048.6	3147.0	3289.6	3452.3
62.5°	1566.5	1590.6	1717.1	1988.2	2285.4	2644.9	2709.2	2717.2	2761.4	2904.0	3092.8
65°	1375.7	1391.8	1429.9	1458.0	1707.1	2054.5	2363.8	2414.0	2442.1	2526.4	2687.1
67.5°	947.9	1199.0	1233.1	1253.2	1277.3	1437.9	1821.5	2076.6	2108.7	2183.0	2323.6
70°	182.8	379.6	1038.3	1060.4	1072.4	1108.6	1170.8	1576.5	1789.4	1859.7	1924.0
72.5°	124.5	146.6	176.7	417.7	883.7	903.7	917.8	970.0	1329.5	1534.3	1568.5
75°	90.4	100.4	118.5	146.6	180.7	588.4	729.0	755.1	781.2	1078.5	1251.2
77.5°	64.3	72.3	80.3	94.4	110.5	142.6	204.8	564.3	590.4	604.5	853.5
80°	36.1	44.2	54.2	62.3	70.3	80.3	104.4	130.5	291.2	425.8	447.9
82.5°	20.1	24.1	28.1	34.1	38.2	48.2	58.2	70.3	92.4	136.6	289.2
85°	10.0	10.0	10.0	14.1	16.1	22.1	26.1	30.1	42.2	58.2	80.3
87.5°	6.0	6.0	8.0	8.0	8.0	10.0	10.0	10.0	12.0	18.1	26.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	6691.7	6691.7	6691.7	6691.7	6691.7
2.5°	6717.8	6711.7	6711.7	6735.8	6729.8
5°	6705.7	6699.7	6697.7	6723.8	6711.7
7.5°	6695.7	6673.6	6667.6	6691.7	6681.6
10°	6655.5	6639.4	6649.5	6641.5	6637.4
12.5°	6587.2	6577.2	6535.0	6539.0	6573.2
15°	6464.7	6504.9	6432.6	6496.9	6510.9
17.5°	6239.8	6330.2	6400.5	6438.6	6444.6
20°	6340.2	6370.3	6334.2	6336.2	6360.3
22.5°	6209.7	6223.7	6233.8	6221.7	6273.9
25°	6000.8	5946.6	6063.1	6087.2	6171.5
27.5°	5936.5	5892.4	5946.6	5942.6	6012.9
30°	5884.3	5741.7	5765.8	5804.0	5890.3
32.5°	5810.0	5585.1	5561.0	5645.3	5741.7
35°	5679.5	5466.6	5410.4	5464.6	5609.2
37.5°	5569.0	5301.9	5189.5	5261.7	5450.5
40°	5404.3	5173.4	4998.7	5062.9	5285.8
42.5°	5207.5	5062.9	4793.8	4838.0	5093.1
45°	5008.7	4880.2	4595.0	4617.1	4920.3
47.5°	4805.9	4687.4	4388.1	4392.2	4699.4
50°	4607.0	4450.4	4203.4	4133.1	4464.5
52.5°	4348.0	4203.4	4016.6	3902.1	4241.5
55°	4103.0	3940.3	3803.7	3627.0	3988.5
57.5°	3864.0	3683.2	3590.8	3363.9	3701.3
60°	3536.6	3450.3	3313.7	3096.8	3442.2
62.5°	3201.2	3173.1	3034.5	2809.6	3122.9
65°	2809.6	2875.9	2733.3	2540.5	2791.5
67.5°	2440.1	2558.6	2401.9	2283.4	2472.2
70°	2046.5	2183.0	2094.7	2052.5	2132.8
72.5°	1658.9	1791.4	1799.4	1769.3	1795.4
75°	1281.3	1427.9	1508.2	1462.0	1468.1
77.5°	972.0	1042.3	1130.7	1166.8	1158.8
80°	600.5	723.0	795.3	869.6	843.5
82.5°	303.3	405.7	494.0	574.4	536.2
85°	126.5	162.7	226.9	299.2	287.2
87.5°	38.2	64.3	68.3	96.4	90.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)