

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

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-120SL-RM-UNV-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-LD5-120SL-RM-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

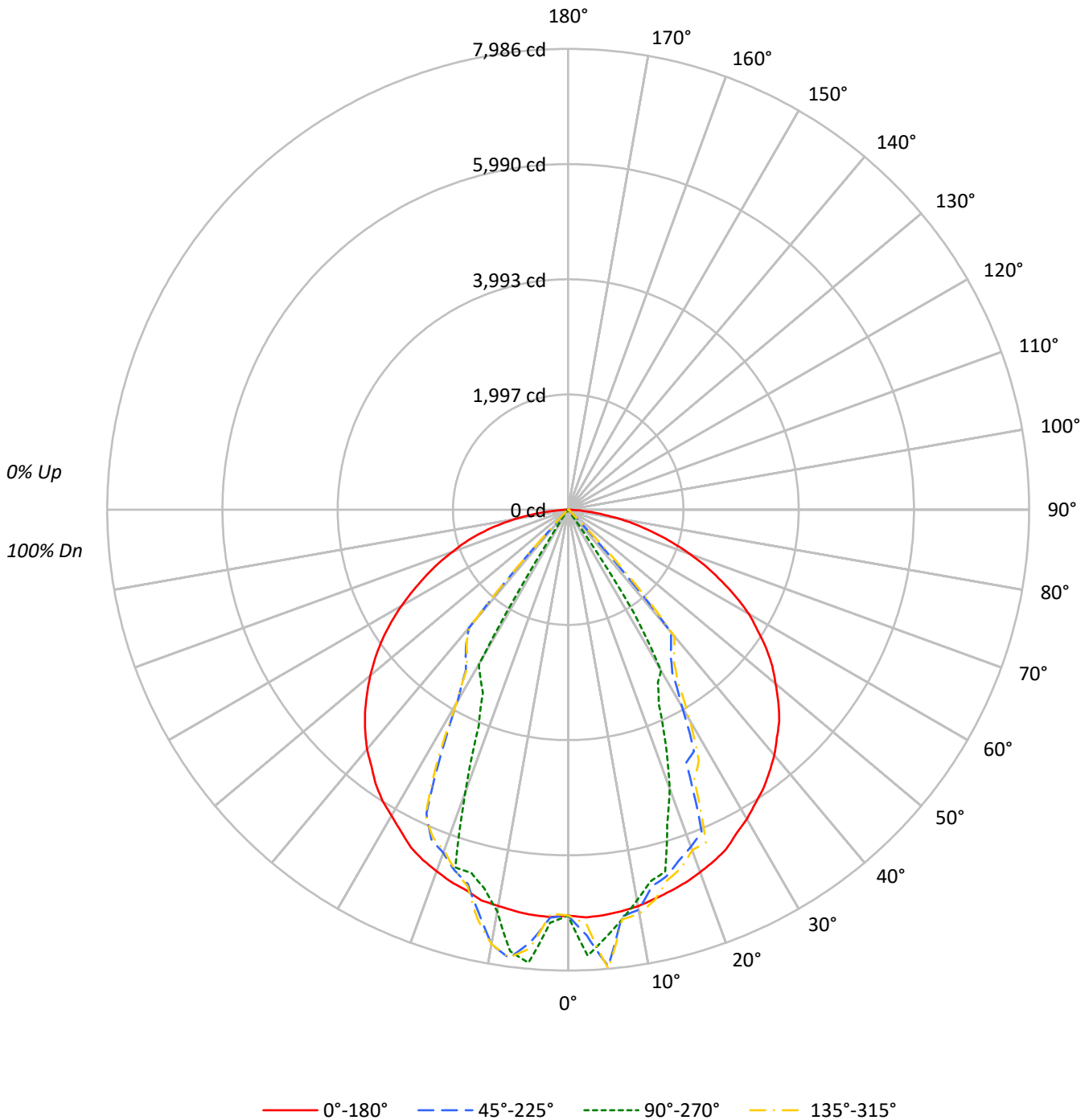
Lumens per Lamp: N/A  
Luminaire Lumens: 9999.0 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 92  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#  
CATALOG NUMBER: 8SNLED-LD5-120SL-RM-UNV-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	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°	28413	28413	28413	28413
5°	28568	29223	28559	30946
10°	28539	26443	28521	27206
15°	28501	24682	28431	24746
20°	28577	19441	28495	19680
25°	28704	14069	28564	13276
30°	28622	12341	28319	11864
35°	28760	272	28338	330
40°	28919	59	28227	59
45°	29091	35	27999	26
50°	28951	27	27623	27
55°	28881	19	27107	19
60°	28461	21	26236	21
65°	27137	33	25204	22
70°	25388	37	24169	37
75°	22757	41	23131	41
80°	18946	47	20028	47
85°	11871	55	12119	55



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	705.5	7.1
10°-20°	1924.4	19.2
20°-30°	2448.7	24.5
30°-40°	2068.5	20.7
40°-50°	1352.3	13.5
50°-60°	852.1	8.5
60°-70°	453.6	4.5
70°-80°	165.4	1.7
80°-90°	28.4	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°	5078.6	50.8
0°-40°	7147.2	71.5
0°-60°	9351.6	93.5
0°-90°	9999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9999.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7032	7032	7032	7032	7032	
5°	7053	7442	7051	7880	7053	671
15°	6842	6494	6825	6511	6842	1934
25°	6485	3708	6454	3499	6485	2982
35°	5894	70	5808	84	5894	3687
45°	5171	8	4976	6	5171	3976
55°	4191	4	3934	4	4191	3735
65°	2934	6	2725	4	2934	2905
75°	1543	6	1568	6	1543	1637
85°	302	6	308	6	302	382
90°	0	0	0	0	0	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7072.1	7076.4	7078.5	7082.7	7089.0	7091.1	7095.4	7091.1	7091.1	7091.1	7091.1
5°	7053.1	7061.6	7067.9	7076.4	7091.1	7093.2	7110.1	7112.2	7120.7	7137.6	7150.2
7.5°	7021.5	7029.9	7042.6	7063.7	7084.8	7108.0	7137.6	7169.2	7213.5	7255.8	7308.5
10°	6975.1	6985.6	7000.4	7019.4	7122.8	7137.6	7203.0	7293.7	7319.1	7452.0	7551.2
12.5°	6907.5	6943.4	6981.4	6998.3	7097.5	7253.6	7473.1	7428.8	7380.3	7815.0	7808.7
15°	6842.1	6890.6	6871.6	7008.8	7099.6	7371.8	7279.0	7477.4	7840.3	7751.7	7755.9
17.5°	6772.5	6783.0	6888.5	7002.5	7165.0	7304.3	7418.3	7690.5	7762.3	7768.6	7690.5
20°	6683.8	6734.5	6888.5	6991.9	7266.3	7331.7	7578.7	7717.9	7688.4	7616.6	7483.7
22.5°	6593.1	6747.1	6903.3	7048.9	7241.0	7416.1	7538.6	7604.0	7449.9	7167.1	7015.2
25°	6485.4	6576.2	6780.9	6994.1	7234.6	7336.0	7407.7	7302.2	7101.7	6848.4	6593.1
27.5°	6318.7	6464.3	6726.0	6966.6	7184.0	7306.4	7190.3	6937.1	6614.2	6447.4	6331.4
30°	6190.0	6379.9	6595.2	6827.3	7053.1	7124.9	6829.4	6540.3	6318.7	6152.0	6126.7
32.5°	6033.8	6303.9	6508.7	6730.2	6920.2	6825.2	6538.2	6164.6	5981.0	5917.7	5943.0
35°	5894.5	6099.2	6367.3	6584.6	6721.8	6508.7	6054.9	5822.8	5734.1	5770.0	5723.6
37.5°	5727.8	5997.9	6244.8	6432.7	6386.2	6065.5	5681.4	5533.6	5544.2	5514.6	5426.0
40°	5554.7	5812.2	6069.7	6247.0	6084.4	5594.8	5339.5	5307.8	5314.1	5219.2	5092.5
42.5°	5352.1	5586.4	5843.9	6004.3	5653.9	5271.9	5098.9	5103.1	5048.2	4915.3	4847.7
45°	5170.6	5385.9	5653.9	5668.7	5238.2	4919.5	4868.8	4814.0	4691.5	4647.2	4596.6
47.5°	4938.5	5177.0	5398.6	5318.4	4830.8	4632.5	4594.5	4474.2	4413.0	4379.2	4337.0
50°	4691.5	4932.1	5134.7	4906.8	4446.7	4400.3	4275.8	4180.8	4138.6	4102.7	4064.7
52.5°	4457.3	4655.7	4862.5	4469.9	4151.3	4107.0	3965.5	3910.7	3868.5	3828.4	3819.9
55°	4191.4	4366.5	4507.9	4054.2	3868.5	3765.1	3663.8	3625.8	3585.7	3566.7	3598.3
57.5°	3889.6	4088.0	4066.9	3644.8	3562.5	3412.6	3374.6	3349.3	3319.7	3332.4	3068.6
60°	3617.3	3769.3	3665.9	3345.1	3205.8	3104.5	3070.7	3053.8	3070.7	2813.2	2473.5
62.5°	3281.8	3452.7	3243.8	2994.7	2847.0	2798.5	2768.9	2792.1	2545.2	2262.4	2180.1
65°	2933.5	3119.3	2811.1	2619.1	2526.2	2484.0	2481.9	2285.6	2042.9	1933.2	1933.2
67.5°	2598.0	2790.0	2393.3	2232.9	2197.0	2201.2	2078.8	1781.2	1713.7	1639.8	1426.7
70°	2241.3	2410.1	1977.5	1880.4	1859.3	1844.5	1547.0	1466.8	1386.6	1190.3	1173.4
72.5°	1886.7	1969.1	1589.2	1566.0	1561.7	1297.9	1238.8	1101.7	1008.8	985.6	975.0
75°	1542.7	1517.4	1255.7	1276.8	1076.3	983.5	888.5	808.3	795.6	787.2	196.3
77.5°	1217.7	1091.1	989.8	861.1	770.3	654.2	635.2	622.6	409.4	147.7	120.3
80°	886.4	707.0	658.5	559.3	477.0	458.0	468.5	143.5	114.0	95.0	82.3
82.5°	563.5	451.6	369.3	322.9	314.5	137.2	101.3	82.3	71.8	61.2	50.7
85°	301.8	200.5	185.7	156.2	92.9	63.3	52.8	40.1	33.8	27.4	25.3
87.5°	95.0	80.2	65.4	52.8	31.7	21.1	16.9	14.8	12.7	10.6	10.6
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):**

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7086.9	7091.1	7089.0	7095.4	7095.4	7103.8	7110.1	7116.5	7129.1	7135.5	7184.0
5°	7177.7	7188.2	7219.9	7249.4	7285.3	7295.9	7357.1	7371.8	7443.6	7452.0	7688.4
7.5°	7380.3	7420.4	7496.3	7572.3	7648.3	7696.8	7781.3	7834.0	7891.0	7941.7	8129.5
10°	7625.1	7692.6	7766.5	7842.5	7886.8	7979.6	8030.3	8038.7	8024.0	7941.7	7637.7
12.5°	7865.7	7933.2	7901.6	7916.3	7969.1	7804.5	7827.7	7709.5	7791.8	7384.5	7082.7
15°	7831.9	7827.7	7749.6	7496.3	7538.6	7224.1	7097.5	7000.4	7078.5	7036.3	6989.8
17.5°	7730.6	7538.6	7403.5	7099.6	6970.8	6882.2	6884.3	6886.4	6848.4	6888.5	6770.3
20°	7302.2	7086.9	6886.4	6778.8	6740.8	6677.5	6709.1	6677.5	6679.6	6692.3	6510.8
22.5°	6732.4	6666.9	6550.9	6584.6	6572.0	6628.9	6586.7	6521.3	6542.4	6447.4	6310.3
25°	6502.3	6426.3	6422.1	6434.8	6415.8	6390.5	6352.5	6253.3	6247.0	6217.4	6154.1
27.5°	6270.2	6274.4	6287.1	6249.1	6181.5	6130.9	6073.9	6025.4	6044.4	6010.6	5924.1
30°	6109.8	6107.7	6031.7	5997.9	5873.4	5875.5	5860.7	5831.2	5812.2	5814.3	5759.4
32.5°	5881.8	5816.4	5729.9	5687.7	5677.1	5639.1	5609.6	5615.9	5630.7	5577.9	5634.9
35°	5647.6	5512.5	5499.9	5464.0	5430.2	5404.9	5415.4	5373.2	5371.1	5364.8	4900.5
37.5°	5333.1	5267.7	5261.4	5223.4	5200.2	5193.8	5153.7	5160.1	5179.1	5212.8	4178.7
40°	5073.5	5014.4	4999.7	4997.6	4946.9	4942.7	4953.2	4993.3	5020.8	4809.7	3982.4
42.5°	4795.0	4799.2	4752.8	4723.2	4729.5	4748.5	4799.2	4659.9	4037.3	3847.4	3640.5
45°	4556.5	4535.4	4510.0	4501.6	4556.5	4518.5	3961.3	3655.3	3581.4	3573.0	2992.6
47.5°	4307.4	4301.1	4290.6	4296.9	3984.5	3551.9	3425.3	3385.2	3397.8	3389.4	2570.5
50°	4056.3	4064.7	4064.7	3549.8	3258.5	3186.8	3197.3	3233.2	3009.5	2809.0	2395.4
52.5°	3838.9	3773.5	3233.2	3047.5	2982.1	3013.7	2937.8	2657.1	2454.5	2336.3	2216.0
55°	3435.8	2954.6	2834.3	2804.8	2828.0	2547.3	2374.3	2192.8	2140.0	2127.3	2057.7
57.5°	2703.5	2606.4	2617.0	2498.8	2230.8	2072.5	2002.8	1977.5	1954.3	1937.4	168.8
60°	2391.1	2418.6	2213.9	1960.6	1853.0	1831.9	1815.0	1791.8	1787.6	1758.0	107.6
62.5°	2188.5	1924.7	1747.5	1684.1	1658.8	1652.5	1620.8	1610.3	1367.6	187.8	80.2
65°	1650.4	1542.7	1509.0	1494.2	1466.8	1466.8	1217.7	192.1	156.2	135.1	71.8
67.5°	1346.5	1338.0	1321.1	1302.2	886.4	185.7	162.5	141.4	122.4	107.6	63.3
70°	1139.6	1135.4	1034.1	189.9	158.3	139.3	122.4	109.7	101.3	90.7	57.0
72.5°	934.9	189.9	160.4	139.3	120.3	109.7	99.2	88.6	80.2	73.9	46.4
75°	145.6	128.7	114.0	103.4	95.0	84.4	76.0	69.6	67.5	59.1	31.7
77.5°	105.5	90.7	82.3	73.9	65.4	59.1	50.7	44.3	40.1	33.8	23.2
80°	73.9	65.4	59.1	48.5	42.2	35.9	31.7	27.4	25.3	21.1	10.6
82.5°	42.2	35.9	31.7	25.3	23.2	19.0	16.9	14.8	14.8	10.6	10.6
85°	19.0	19.0	14.8	12.7	10.6	10.6	10.6	8.4	8.4	6.3	6.3
87.5°	8.4	8.4	8.4	8.4	8.4	6.3	6.3	6.3	6.3	6.3	4.2
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°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7251.5	7279.0	7331.7	7386.6	7325.4	7544.9	7528.0	7601.9	7642.0	7661.0	7705.3
5°	7897.3	8019.7	8059.8	7939.5	7869.9	7798.1	7635.6	7513.2	7528.0	7487.9	7342.3
7.5°	7884.7	7623.0	7270.5	7110.1	7097.5	7078.5	7129.1	7158.7	7162.9	7160.8	7156.6
10°	7217.8	7082.7	7059.5	7038.4	7046.8	6968.7	6932.9	6831.6	6886.4	6856.9	6867.4
12.5°	7015.2	6983.5	6859.0	6685.9	6789.3	6711.3	6666.9	6696.5	6662.7	6631.1	6620.5
15°	6894.9	6690.2	6620.5	6578.3	6548.7	6531.9	6546.6	6512.9	6502.3	6496.0	6510.8
17.5°	6645.8	6563.5	6487.5	6375.7	6377.8	6371.5	6413.7	6477.0	6481.2	6156.2	5862.9
20°	6449.6	6382.0	6284.9	6215.3	6310.3	6141.4	5489.3	5179.1	5130.5	5130.5	5139.0
22.5°	6293.4	6143.5	6149.9	6040.1	5151.6	4970.1	4974.3	4993.3	4906.8	4611.3	4579.7
25°	6080.2	6057.0	5594.8	4835.1	4841.4	4700.0	4482.6	4176.6	3845.3	3845.3	3790.4
27.5°	5919.8	5428.1	4752.8	4721.1	4246.2	3946.6	3760.8	3480.1	3442.2	3406.3	3410.5
30°	5782.7	4592.4	4609.2	3946.6	3596.2	3347.2	3332.4	3286.0	3262.8	3256.4	3233.2
32.5°	4571.3	4472.1	3857.9	3359.8	3222.7	3182.6	3163.6	3110.8	3108.7	3068.6	2790.0
35°	4286.3	3925.5	3229.0	3093.9	3053.8	3015.8	2984.2	2002.8	236.4	95.0	82.3
37.5°	3961.3	3279.7	2986.3	2925.1	2887.1	2133.7	213.2	73.9	52.8	38.0	33.8
40°	3357.7	2929.3	2836.5	2768.9	1141.8	73.9	46.4	35.9	21.1	19.0	16.9
42.5°	2832.2	2760.5	2661.3	810.4	84.4	35.9	23.2	16.9	14.8	14.8	12.7
45°	2650.7	2587.4	1072.1	80.2	52.8	16.9	14.8	14.8	12.7	8.4	8.4
47.5°	2481.9	2184.3	97.1	50.7	33.8	14.8	12.7	8.4	8.4	8.4	6.3
50°	2302.5	120.3	67.5	38.0	21.1	8.4	8.4	8.4	8.4	6.3	6.3
52.5°	430.5	84.4	54.9	33.8	10.6	8.4	8.4	8.4	6.3	6.3	6.3
55°	101.3	67.5	50.7	29.5	8.4	8.4	8.4	6.3	6.3	6.3	4.2
57.5°	76.0	50.7	40.1	27.4	8.4	6.3	6.3	6.3	6.3	6.3	4.2
60°	63.3	35.9	31.7	25.3	6.3	6.3	6.3	6.3	6.3	6.3	4.2
62.5°	44.3	29.5	23.2	19.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3
65°	35.9	23.2	19.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
67.5°	31.7	19.0	12.7	4.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3
70°	25.3	6.3	6.3	4.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3
72.5°	21.1	6.3	4.2	4.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3
75°	21.1	10.6	4.2	4.2	6.3	6.3	8.4	8.4	6.3	6.3	6.3
77.5°	14.8	10.6	4.2	4.2	6.3	6.3	8.4	8.4	6.3	6.3	6.3
80°	8.4	10.6	4.2	6.3	6.3	12.7	14.8	8.4	6.3	6.3	6.3
82.5°	8.4	10.6	12.7	12.7	6.3	10.6	12.7	10.6	8.4	6.3	6.3
85°	8.4	6.3	8.4	10.6	6.3	10.6	10.6	8.4	8.4	6.3	6.3
87.5°	4.2	6.3	6.3	8.4	8.4	8.4	10.6	8.4	8.4	8.4	6.3
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-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7726.4	7734.8	7601.9	7555.4	7595.5	7587.1	7551.2	7418.3	7403.5	7314.8	7186.1
5°	7384.5	7441.5	7371.8	7492.1	7435.1	7492.1	7665.2	7745.4	7876.2	7956.4	7986.0
7.5°	7146.0	7158.7	7158.7	7169.2	7179.8	7181.9	7169.2	7160.8	7124.9	7080.6	7160.8
10°	6856.9	6871.6	6897.0	6892.8	6890.6	6935.0	6945.5	7036.3	7032.0	7048.9	7110.1
12.5°	6707.0	6593.1	6696.5	6669.0	6707.0	6647.9	6757.7	6738.7	6745.0	6795.7	6926.5
15°	6458.0	6493.9	6519.2	6519.2	6534.0	6521.3	6508.7	6595.2	6647.9	6650.1	6641.6
17.5°	5978.9	5706.7	5985.3	5913.5	6485.4	6500.2	6451.7	6411.6	6411.6	6443.2	6510.8
20°	5132.6	5139.0	5141.1	5168.5	5202.3	5200.2	5202.3	6033.8	6428.5	6337.7	6276.5
22.5°	4499.5	4421.4	4567.0	4556.5	4738.0	4938.5	5130.5	5111.5	5124.2	5710.9	6238.5
25°	3606.8	3708.1	3625.8	3661.6	3866.4	4104.8	4252.6	4638.8	5058.8	5029.2	5166.4
27.5°	3395.7	3368.3	3406.3	3406.3	3433.7	3465.4	3547.7	3765.1	4138.6	4531.2	4902.6
30°	3195.2	3218.4	3222.7	3260.7	3281.8	3302.9	3315.5	3397.8	3482.3	3754.5	4212.5
32.5°	2399.6	2104.1	2768.9	2948.3	3100.3	3136.1	3161.5	3195.2	3256.4	3296.5	3526.6
35°	69.6	69.6	73.9	84.4	107.6	726.0	2764.7	3047.5	3087.6	3138.3	3180.5
37.5°	33.8	25.3	29.5	31.7	38.0	52.8	76.0	236.4	2631.7	2975.7	3022.2
40°	14.8	14.8	14.8	14.8	16.9	21.1	31.7	52.8	80.2	2116.8	2855.4
42.5°	12.7	12.7	12.7	12.7	12.7	12.7	14.8	19.0	38.0	90.7	1498.4
45°	8.4	8.4	6.3	8.4	8.4	10.6	12.7	12.7	16.9	57.0	103.4
47.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	10.6	12.7	38.0	54.9
50°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	29.5	38.0
52.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	12.7	33.8
55°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.3	6.3	8.4	29.5
57.5°	4.2	4.2	4.2	4.2	4.2	6.3	4.2	4.2	6.3	6.3	27.4
60°	4.2	4.2	4.2	4.2	4.2	6.3	6.3	6.3	6.3	6.3	25.3
62.5°	6.3	6.3	4.2	6.3	4.2	4.2	6.3	6.3	6.3	6.3	16.9
65°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	4.2	6.3
67.5°	6.3	6.3	6.3	6.3	4.2	6.3	4.2	6.3	6.3	4.2	4.2
70°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	4.2	4.2	4.2	4.2
72.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	4.2	4.2	4.2	4.2
75°	6.3	6.3	6.3	6.3	6.3	6.3	8.4	8.4	4.2	4.2	4.2
77.5°	6.3	6.3	6.3	6.3	6.3	6.3	10.6	12.7	10.6	10.6	4.2
80°	6.3	6.3	6.3	6.3	6.3	6.3	10.6	10.6	10.6	10.6	14.8
82.5°	6.3	6.3	6.3	6.3	6.3	6.3	8.4	8.4	8.4	8.4	10.6
85°	6.3	6.3	6.3	6.3	6.3	6.3	8.4	8.4	8.4	6.3	8.4
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.4	6.3	6.3	6.3
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-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7196.7	7124.9	7101.7	7053.1	7048.9	7053.1	7042.6	7027.8	7036.3	7021.5	7008.8
5°	8002.9	7810.8	7686.3	7519.6	7289.5	7238.9	7226.2	7154.5	7129.1	7120.7	7086.9
7.5°	7350.7	7701.1	7912.1	7983.9	7713.7	7650.4	7576.5	7517.4	7460.5	7352.8	7287.4
10°	7061.6	7078.5	7281.1	7517.4	7901.6	7954.3	7994.4	7865.7	7829.8	7555.4	7496.3
12.5°	6994.1	6996.2	7019.4	7162.9	7464.7	7498.5	7639.9	7715.8	7808.7	7861.5	7819.2
15°	6685.9	6856.9	6983.5	6996.2	7023.6	7082.7	7124.9	7388.7	7500.6	7800.3	7783.4
17.5°	6542.4	6597.3	6780.9	6930.7	6905.4	6884.3	6918.1	6954.0	7061.6	7361.3	7357.1
20°	6303.9	6479.1	6578.3	6734.5	6875.9	6882.2	6844.2	6823.1	6780.9	6829.4	6873.8
22.5°	6202.6	6230.1	6415.8	6525.5	6685.9	6742.9	6751.4	6753.5	6730.2	6704.9	6692.3
25°	6192.1	6105.6	6200.5	6337.7	6455.9	6517.1	6586.7	6610.0	6601.5	6601.5	6588.8
27.5°	5067.2	6078.1	6027.5	6118.2	6261.7	6303.9	6339.8	6411.6	6455.9	6487.5	6502.3
30°	4826.6	5008.1	5892.4	5905.1	6050.7	6046.5	6086.6	6145.7	6202.6	6276.5	6295.5
32.5°	4269.5	4714.8	5394.3	5691.9	5843.9	5858.6	5879.7	5896.6	5949.4	6031.7	6103.4
35°	3421.1	4294.8	4621.9	5590.6	5618.0	5647.6	5660.2	5700.3	5717.2	5751.0	5814.3
37.5°	3096.0	3549.8	4434.1	4835.1	5358.5	5383.8	5451.3	5468.2	5495.6	5523.1	5571.6
40°	2908.2	3032.7	3691.2	4318.0	5149.5	5166.4	5189.6	5231.8	5233.9	5265.6	5309.9
42.5°	2758.4	2838.6	3030.6	4123.8	5001.8	4999.7	4944.8	4972.2	4984.9	5018.7	5079.9
45°	2203.3	2663.4	2785.8	3368.3	3982.4	4269.5	4820.3	4729.5	4727.4	4740.1	4805.5
47.5°	111.9	2505.1	2591.6	2779.5	3760.8	3771.4	3843.1	4446.7	4539.6	4510.0	4516.4
50°	76.0	173.1	2414.4	2500.9	3241.7	3503.4	3556.1	3583.6	3931.8	4320.1	4256.8
52.5°	59.1	99.2	1479.4	2321.5	2633.9	2825.9	3165.7	3359.8	3381.0	3537.1	4066.9
55°	52.8	76.0	160.4	2142.1	2239.2	2281.4	2479.8	2819.6	3093.9	3176.2	3182.6
57.5°	46.4	69.6	109.7	968.7	2036.6	2045.0	2078.8	2197.0	2443.9	2669.7	2925.1
60°	42.2	61.2	86.5	166.7	1850.9	1872.0	1878.3	1910.0	1939.5	2093.6	2386.9
62.5°	25.3	48.5	76.0	120.3	1464.7	1682.0	1679.9	1701.0	1728.5	1745.3	1804.4
65°	21.1	38.0	65.4	101.3	179.4	223.7	1359.1	1511.1	1528.0	1551.2	1561.7
67.5°	19.0	33.8	48.5	80.2	135.1	154.1	177.3	219.5	1198.7	1350.7	1371.8
70°	16.9	23.2	40.1	67.5	109.7	118.2	133.0	152.0	179.4	221.6	1084.8
72.5°	10.6	16.9	27.4	48.5	84.4	95.0	103.4	116.1	128.7	154.1	177.3
75°	4.2	12.7	23.2	35.9	65.4	71.8	78.1	86.5	97.1	114.0	126.6
77.5°	4.2	10.6	19.0	25.3	42.2	48.5	57.0	63.3	71.8	80.2	92.9
80°	14.8	8.4	12.7	19.0	29.5	31.7	35.9	40.1	46.4	52.8	61.2
82.5°	10.6	12.7	14.8	12.7	14.8	19.0	21.1	25.3	27.4	31.7	33.8
85°	8.4	8.4	10.6	10.6	10.6	10.6	10.6	10.6	12.7	14.8	19.0
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.4	8.4
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-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7008.8	7004.6	6991.9	6991.9	6989.8	6998.3	7004.6	7010.9	7008.8	7021.5	7008.8
5°	7061.6	7051.0	7032.0	7015.2	7008.8	7013.1	7006.7	7013.1	7004.6	7015.2	6996.2
7.5°	7207.2	7171.3	7097.5	7067.9	7029.9	7027.8	7008.8	7004.6	6991.9	6991.9	6968.7
10°	7464.7	7291.6	7270.5	7181.9	7150.2	6996.2	7029.9	6973.0	6966.6	6939.2	6928.6
12.5°	7675.7	7540.7	7500.6	7422.5	7333.8	7021.5	7091.1	6968.7	6962.4	6907.5	6850.5
15°	7680.0	7758.0	7648.3	7433.0	7414.0	7198.8	7057.4	7015.2	6960.3	6795.7	6823.1
17.5°	7433.0	7612.4	7665.2	7618.8	7483.7	7338.1	7139.7	7055.3	6890.6	6816.8	6766.1
20°	7032.0	7213.5	7439.4	7454.1	7538.6	7435.1	7175.6	7038.4	6840.0	6711.3	6669.0
22.5°	6713.4	6846.3	7105.9	7226.2	7329.6	7365.5	7200.9	6998.3	6751.4	6626.8	6601.5
25°	6544.5	6574.1	6652.2	6793.6	7021.5	7186.1	7209.3	6994.1	6865.3	6593.1	6449.6
27.5°	6483.3	6458.0	6426.3	6498.1	6669.0	6869.5	7002.5	7038.4	6717.6	6458.0	6314.5
30°	6327.2	6341.9	6293.4	6268.1	6379.9	6586.7	6823.1	6882.2	6635.3	6367.3	6202.6
32.5°	6135.1	6160.4	6168.9	6124.5	6101.3	6244.8	6500.2	6641.6	6628.9	6238.5	6054.9
35°	5894.5	5966.3	5985.3	5987.4	5949.4	5926.2	6073.9	6367.3	6479.1	6179.4	5913.5
37.5°	5641.3	5662.4	5765.8	5793.2	5793.2	5723.6	5833.3	6067.6	6223.7	6046.5	5740.4
40°	5324.7	5392.2	5489.3	5537.8	5586.4	5592.7	5531.5	5696.1	5953.6	5909.3	5577.9
42.5°	5094.6	5139.0	5198.1	5263.5	5362.7	5388.0	5324.7	5354.2	5622.3	5738.3	5366.9
45°	4826.6	4885.7	4902.6	4974.3	5077.8	5151.6	5149.5	5088.3	5303.6	5447.1	5212.8
47.5°	4552.3	4609.2	4638.8	4674.7	4750.6	4845.6	4898.4	4870.9	4913.1	5193.8	5008.1
50°	4269.5	4301.1	4360.2	4400.3	4451.0	4505.8	4632.5	4657.8	4598.7	4822.4	4782.3
52.5°	4001.4	4012.0	4052.1	4092.2	4159.7	4199.8	4301.1	4377.1	4372.9	4438.3	4531.2
55°	3792.5	3746.1	3754.5	3786.2	3830.5	3891.7	3948.7	4066.9	4107.0	4119.6	4267.3
57.5°	2963.1	3440.0	3482.3	3480.1	3532.9	3560.3	3613.1	3691.2	3834.7	3803.0	3967.7
60°	2692.9	2745.7	3144.6	3191.0	3210.0	3235.3	3298.6	3370.4	3475.9	3543.5	3615.2
62.5°	2053.5	2374.3	2494.6	2847.0	2901.9	2916.7	2958.9	2992.6	3102.4	3256.4	3226.9
65°	1589.2	1726.4	2093.6	2237.1	2536.8	2574.8	2633.9	2669.7	2701.4	2878.7	2887.1
67.5°	1373.9	1395.0	1494.2	1770.7	1960.6	2254.0	2289.8	2321.5	2370.0	2496.7	2574.8
70°	1173.4	1198.7	1226.2	1249.4	1496.3	1690.5	1962.7	1973.3	2004.9	2089.4	2266.6
72.5°	221.6	1002.5	1019.4	1034.1	1061.6	1190.3	1449.9	1660.9	1673.6	1713.7	1876.2
75°	149.8	175.2	240.6	827.3	854.7	863.2	907.5	1171.3	1365.5	1373.9	1445.7
77.5°	107.6	120.3	145.6	173.1	441.1	662.7	673.2	721.8	922.3	1067.9	1080.6
80°	73.9	82.3	97.1	109.7	135.1	177.3	489.6	504.4	529.7	730.2	768.2
82.5°	42.2	48.5	57.0	69.6	80.2	101.3	130.8	168.8	344.0	367.2	487.5
85°	21.1	23.2	27.4	33.8	40.1	48.5	65.4	80.2	109.7	198.4	204.7
87.5°	10.6	10.6	10.6	10.6	16.9	19.0	23.2	29.5	38.0	57.0	73.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7010.9	7040.5	7065.8	7072.1	7072.1	7076.4	7082.7	7086.9	7091.1	7095.4	7091.1
5°	6998.3	7029.9	7051.0	7057.4	7057.4	7070.0	7080.6	7093.2	7099.6	7099.6	7095.4
7.5°	6966.6	6989.8	7017.3	7034.2	7036.3	7057.4	7076.4	7074.3	7082.7	7086.9	7097.5
10°	6924.4	6924.4	6970.8	6983.5	6994.1	7017.3	7023.6	7036.3	7065.8	7070.0	7097.5
12.5°	6903.3	6882.2	6937.1	6943.4	6979.3	6949.7	6987.7	7000.4	6970.8	7010.9	6958.2
15°	6808.3	6833.7	6825.2	6844.2	6907.5	6873.8	6977.2	6943.4	7019.4	6928.6	7089.0
17.5°	6730.2	6726.0	6759.8	6776.7	6789.3	6861.1	6888.5	6926.5	6956.1	6930.7	6994.1
20°	6673.3	6639.5	6664.8	6683.8	6728.1	6783.0	6799.9	6742.9	6842.1	7010.9	7051.0
22.5°	6565.6	6542.4	6572.0	6572.0	6639.5	6631.1	6694.4	6658.5	6751.4	6947.6	7152.3
25°	6420.0	6422.1	6453.8	6491.8	6504.4	6599.4	6633.2	6679.6	6795.7	7029.9	7154.5
27.5°	6272.3	6259.6	6278.6	6356.7	6422.1	6491.8	6502.3	6660.6	6818.9	6979.3	7089.0
30°	6124.5	6111.9	6124.5	6181.5	6259.6	6306.0	6422.1	6633.2	6780.9	6890.6	6994.1
32.5°	5966.3	5953.6	5983.1	6025.4	6162.5	6168.9	6398.9	6597.3	6713.4	6793.6	6774.6
35°	5797.4	5780.5	5808.0	5873.4	6000.0	6046.5	6287.1	6434.8	6565.6	6603.6	6515.0
37.5°	5594.8	5565.3	5599.0	5689.8	5822.8	5957.8	6158.3	6329.3	6398.9	6297.6	6192.1
40°	5383.8	5362.7	5421.8	5468.2	5624.4	5812.2	6042.2	6162.5	6118.2	6002.1	5886.1
42.5°	5195.9	5151.6	5204.4	5293.0	5470.3	5683.5	5869.2	5936.7	5831.2	5660.2	5525.2
45°	4965.9	4913.1	4976.5	5094.6	5284.6	5527.3	5672.9	5649.7	5470.3	5322.6	5136.9
47.5°	4725.3	4662.0	4725.3	4866.7	5079.9	5337.3	5442.9	5337.3	5111.5	4925.8	4776.0
50°	4488.9	4415.1	4476.3	4689.4	4898.4	5096.8	5094.6	4889.9	4754.9	4552.3	4421.4
52.5°	4254.7	4149.2	4210.4	4442.5	4651.4	4877.3	4710.5	4520.6	4358.1	4180.8	4138.6
55°	3965.5	3851.6	3933.9	4271.6	4432.0	4564.9	4299.0	4132.3	3971.9	3883.2	3830.5
57.5°	3691.2	3566.7	3638.4	4037.3	4155.5	4189.3	3944.4	3708.1	3613.1	3583.6	3507.6
60°	3408.4	3267.0	3334.5	3794.6	3876.9	3739.7	3499.1	3315.5	3296.5	3237.4	3178.3
62.5°	3138.3	2982.1	3024.3	3492.8	3530.8	3281.8	3060.2	3011.6	2965.2	2906.1	2874.4
65°	2828.0	2665.5	2724.6	3172.0	3136.1	2815.4	2690.8	2680.3	2619.1	2570.5	2617.0
67.5°	2543.1	2351.0	2433.4	2821.7	2659.2	2397.5	2346.8	2321.5	2273.0	2300.4	1812.9
70°	2230.8	2021.8	2133.7	2443.9	2203.3	2030.3	2011.3	1973.3	1975.4	1570.2	1323.3
72.5°	1882.5	1701.0	1863.5	2030.3	1743.2	1692.6	1665.2	1660.9	1340.1	1089.0	1027.8
75°	1576.5	1392.9	1568.1	1631.4	1388.7	1354.9	1352.8	1118.5	880.1	840.0	821.0
77.5°	1230.4	1089.0	1255.7	1160.8	1065.8	1027.8	922.3	692.2	662.7	635.2	238.5
80°	829.4	840.0	937.0	799.9	759.8	647.9	510.7	489.6	422.1	168.8	133.0
82.5°	504.4	633.1	597.3	500.2	489.6	352.4	322.9	164.6	122.4	97.1	84.4
85°	261.7	320.8	308.1	272.2	202.6	181.5	101.3	78.1	63.3	48.5	40.1
87.5°	88.6	118.2	114.0	90.7	69.6	54.9	35.9	29.5	21.1	16.9	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7086.9	7086.9	7082.7	7086.9	7089.0	7084.8	7084.8	7089.0	7091.1	7093.2	7103.8
5°	7097.5	7101.7	7108.0	7120.7	7122.8	7148.1	7158.7	7165.0	7171.3	7173.4	7158.7
7.5°	7120.7	7135.5	7148.1	7146.0	7131.2	7091.1	7078.5	7067.9	7086.9	7135.5	7192.4
10°	7141.8	7074.3	6947.6	7120.7	7067.9	7116.5	7260.0	7291.6	7388.7	7525.9	7566.0
12.5°	6996.2	7181.9	7222.0	7027.8	7386.6	7253.6	7411.9	7551.2	7591.3	7730.6	7646.2
15°	7152.3	7243.1	7304.3	7498.5	7477.4	7591.3	7635.6	7608.2	7614.5	7650.4	7745.4
17.5°	7150.2	7331.7	7371.8	7502.7	7591.3	7593.4	7580.8	7568.1	7601.9	7629.3	7572.3
20°	7272.6	7331.7	7409.8	7462.6	7479.5	7500.6	7540.7	7509.0	7445.7	7384.5	7359.2
22.5°	7211.4	7344.4	7411.9	7420.4	7409.8	7344.4	7285.3	7196.7	7167.1	7135.5	7146.0
25°	7224.1	7285.3	7276.9	7243.1	7198.8	7076.4	7046.8	7008.8	6951.8	6814.7	6690.2
27.5°	7133.3	7101.7	7063.7	6981.4	6901.2	6835.8	6761.9	6639.5	6538.2	6390.5	6335.6
30°	6981.4	6854.8	6761.9	6713.4	6635.3	6525.5	6413.7	6263.8	6135.1	6105.6	6078.1
32.5°	6690.2	6565.6	6489.7	6371.5	6238.5	6107.7	5978.9	5919.8	5892.4	5896.6	5871.3
35°	6392.6	6282.8	6168.9	5991.6	5892.4	5761.5	5715.1	5702.5	5677.1	5649.7	5620.1
37.5°	6076.0	5947.3	5776.3	5670.8	5571.6	5518.8	5495.6	5476.6	5432.3	5383.8	5350.0
40°	5770.0	5537.8	5442.9	5339.5	5309.9	5286.7	5252.9	5206.5	5145.3	5136.9	5122.1
42.5°	5360.6	5193.8	5111.5	5090.4	5054.5	5014.4	4984.9	4934.2	4908.9	4925.8	4938.5
45°	4972.2	4887.8	4860.4	4835.1	4767.5	4710.5	4691.5	4674.7	4695.8	4788.6	4567.0
47.5°	4657.8	4624.0	4590.2	4548.0	4484.7	4442.5	4461.5	4478.4	4497.4	3815.7	3482.3
50°	4385.5	4339.1	4286.3	4239.9	4201.9	4197.7	4296.9	3999.3	3349.3	3332.4	2994.7
52.5°	4088.0	4018.3	3986.7	3959.2	3976.1	4039.4	3343.0	3102.4	2975.7	2585.3	2412.3
55°	3767.2	3706.0	3706.0	3731.3	3640.5	2950.4	2914.5	2519.9	2281.4	2213.9	2186.4
57.5°	3446.4	3440.0	3475.9	3178.3	2678.2	2568.4	2159.0	2072.5	2034.5	2026.0	1981.7
60°	3153.0	3212.1	2688.7	2473.5	2150.6	1939.5	1880.4	1869.9	1829.8	1815.0	1774.9
62.5°	2918.8	2420.7	2254.0	1840.3	1732.7	1705.2	1673.6	1658.8	1622.9	1433.0	420.0
65°	2108.3	1992.3	1616.6	1547.0	1538.5	1498.4	1485.8	1335.9	314.5	211.0	179.4
67.5°	1591.3	1411.9	1363.4	1350.7	1310.6	1230.4	365.1	208.9	179.4	156.2	137.2
70°	1222.0	1190.3	1154.4	1124.9	331.3	206.8	179.4	152.0	130.8	116.1	105.5
72.5°	1000.4	979.3	569.8	217.4	177.3	149.8	133.0	116.1	101.3	92.9	84.4
75°	783.0	217.4	179.4	149.8	128.7	109.7	97.1	86.5	78.1	71.8	65.4
77.5°	177.3	143.5	122.4	103.4	92.9	82.3	73.9	63.3	57.0	50.7	42.2
80°	109.7	95.0	80.2	73.9	63.3	52.8	46.4	42.2	33.8	31.7	27.4
82.5°	71.8	57.0	50.7	42.2	33.8	31.7	27.4	21.1	19.0	16.9	14.8
85°	31.7	27.4	23.2	19.0	14.8	12.7	10.6	8.4	8.4	8.4	8.4
87.5°	10.6	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7108.0	7146.0	7181.9	7171.3	7133.3	7074.3	7057.4	7034.2	7051.0	7086.9	7101.7
5°	7158.7	7137.6	7213.5	7325.4	7506.9	7523.8	7650.4	7680.0	7781.3	7844.6	7842.5
7.5°	7230.4	7530.1	7654.6	7789.7	7850.9	7836.1	7855.1	7840.3	7817.1	7806.6	7793.9
10°	7595.5	7823.5	7869.9	7869.9	7774.9	7646.2	7591.3	7496.3	7306.4	7310.6	7279.0
12.5°	7808.7	7888.9	7779.1	7686.3	7304.3	7156.6	6996.2	6920.2	6875.9	6808.3	6833.7
15°	7696.8	7582.9	7517.4	7217.8	6983.5	6717.6	6721.8	6675.4	6626.8	6631.1	6599.4
17.5°	7532.2	7441.5	6977.2	6770.3	6656.4	6553.0	6534.0	6472.8	6441.1	6430.6	6428.5
20°	7306.4	6979.3	6633.2	6582.5	6445.3	6327.2	6308.2	6327.2	6424.2	6251.2	5664.5
22.5°	7042.6	6572.0	6470.7	6327.2	6234.3	6187.9	6303.9	5776.3	4978.6	5075.7	4972.2
25°	6595.2	6390.5	6217.4	6107.7	6097.1	5812.2	4843.5	4742.2	4229.4	3955.0	3646.9
27.5°	6268.1	6179.4	5997.9	5978.9	5841.7	4752.8	4248.4	3691.2	3486.5	3454.8	3387.3
30°	6069.7	5943.0	5833.3	5354.2	4662.0	3826.3	3408.4	3330.3	3294.4	3256.4	3197.3
32.5°	5831.2	5710.9	5763.7	4501.6	3716.5	3294.4	3210.0	3153.0	3087.6	3062.3	2849.1
35°	5588.5	5533.6	4503.7	3784.1	3195.2	3093.9	3030.6	2971.5	2363.7	571.9	194.2
37.5°	5328.9	5316.2	4047.9	3140.4	2992.6	2897.7	2718.3	561.4	133.0	90.7	67.5
40°	5126.3	4050.0	3199.5	2944.1	2823.8	2673.9	375.7	92.9	59.1	35.9	23.2
42.5°	4991.2	3642.6	2863.9	2762.6	2500.9	276.5	95.0	40.1	23.2	19.0	14.8
45°	3847.4	2876.6	2676.1	2570.5	316.6	95.0	54.9	19.0	14.8	12.7	8.4
47.5°	3549.8	2612.7	2494.6	561.4	105.5	50.7	38.0	12.7	8.4	8.4	8.4
50°	2688.7	2414.4	1985.9	137.2	67.5	35.9	27.4	8.4	8.4	8.4	6.3
52.5°	2357.4	2228.6	213.2	90.7	52.8	27.4	16.9	6.3	6.3	6.3	6.3
55°	2154.8	1414.0	126.6	69.6	44.3	25.3	10.6	6.3	6.3	6.3	4.2
57.5°	1971.2	189.9	92.9	59.1	40.1	23.2	6.3	6.3	6.3	6.3	4.2
60°	1671.5	137.2	76.0	52.8	38.0	21.1	6.3	6.3	6.3	6.3	6.3
62.5°	217.4	107.6	65.4	46.4	27.4	16.9	4.2	6.3	6.3	6.3	6.3
65°	158.3	84.4	59.1	31.7	16.9	6.3	4.2	6.3	6.3	6.3	6.3
67.5°	122.4	69.6	44.3	27.4	14.8	4.2	4.2	6.3	6.3	6.3	6.3
70°	97.1	59.1	35.9	23.2	12.7	4.2	4.2	6.3	6.3	6.3	6.3
72.5°	76.0	42.2	25.3	12.7	8.4	4.2	4.2	6.3	6.3	6.3	6.3
75°	57.0	33.8	19.0	10.6	4.2	4.2	4.2	6.3	6.3	6.3	6.3
77.5°	38.0	21.1	14.8	8.4	8.4	8.4	10.6	10.6	6.3	6.3	6.3
80°	25.3	14.8	10.6	10.6	10.6	8.4	10.6	10.6	6.3	10.6	6.3
82.5°	12.7	10.6	10.6	8.4	8.4	6.3	8.4	8.4	8.4	8.4	6.3
85°	8.4	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.4	8.4	6.3
87.5°	4.2	4.2	4.2	4.2	6.3	6.3	6.3	6.3	8.4	8.4	6.3
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-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7082.7	7089.0	7072.1	7162.9	7116.5	7120.7	7139.7	7091.1	7101.7	7067.9	7044.7
5°	7850.9	7863.6	7876.2	7880.4	7888.9	7899.4	7886.8	7880.4	7867.8	7825.6	7781.3
7.5°	7730.6	7715.8	7709.5	7717.9	7732.7	7739.0	7728.5	7743.3	7798.1	7821.4	7836.1
10°	7097.5	7029.9	7076.4	7070.0	7017.3	7194.5	7146.0	7173.4	7192.4	7386.6	7504.8
12.5°	6795.7	6837.9	6757.7	6717.6	6770.3	6806.2	6842.1	6766.1	6871.6	6823.1	6979.3
15°	6542.4	6517.1	6508.7	6510.8	6500.2	6550.9	6563.5	6580.4	6595.2	6660.6	6685.9
17.5°	6428.5	6470.7	6487.5	6500.2	6479.1	6455.9	6432.7	6398.9	6409.5	6392.6	6441.1
20°	5269.8	5128.4	5120.0	5202.3	5111.5	5162.2	5284.6	6103.4	6076.0	6394.7	6287.1
22.5°	4398.2	4265.2	4151.3	4052.1	4193.5	4252.6	4480.5	4738.0	5155.8	5090.4	5544.2
25°	3592.0	3543.5	3513.9	3499.1	3509.7	3505.5	3556.1	3676.4	3866.4	4313.8	4892.0
27.5°	3359.8	3336.6	3326.1	3292.3	3317.6	3309.2	3349.3	3374.6	3431.6	3475.9	3663.8
30°	3176.2	3148.8	3129.8	3093.9	3119.3	3121.4	3134.0	3199.5	3222.7	3260.7	3319.7
32.5°	1160.8	683.8	641.6	609.9	666.9	869.5	1525.9	2667.6	3043.3	3072.8	3140.4
35°	114.0	95.0	84.4	84.4	86.5	95.0	126.6	333.5	609.9	2357.4	2950.4
37.5°	44.3	38.0	31.7	29.5	31.7	35.9	48.5	63.3	86.5	179.4	799.9
40°	19.0	16.9	14.8	14.8	14.8	14.8	16.9	21.1	31.7	59.1	92.9
42.5°	12.7	10.6	10.6	10.6	10.6	10.6	10.6	10.6	14.8	19.0	38.0
45°	8.4	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.4	10.6	16.9
47.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.4
50°	6.3	6.3	6.3	6.3	4.2	6.3	4.2	6.3	6.3	6.3	6.3
52.5°	6.3	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.3	6.3
55°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.3
57.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
60°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
62.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.3	6.3
65°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.3	4.2
67.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
70°	6.3	6.3	4.2	6.3	4.2	4.2	6.3	6.3	6.3	4.2	4.2
72.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	12.7	12.7
75°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	10.6	12.7
77.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	10.6	10.6
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.4	8.4
82.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.4	8.4
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
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-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7004.6	7002.5	7046.8	7080.6	7067.9	7080.6	7095.4	7097.5	7101.7	7084.8	7078.5
5°	7696.8	7631.4	7504.8	7414.0	7308.5	7116.5	7021.5	7032.0	7034.2	7027.8	7036.3
7.5°	7829.8	7823.5	7779.1	7760.2	7688.4	7551.2	7331.7	7293.7	7200.9	7141.8	7093.2
10°	7496.3	7648.3	7688.4	7755.9	7798.1	7772.8	7587.1	7559.7	7500.6	7433.0	7447.8
12.5°	7135.5	7260.0	7266.3	7633.5	7715.8	7724.3	7652.5	7690.5	7698.9	7547.0	7458.4
15°	6692.3	6751.4	6875.9	7217.8	7466.8	7623.0	7669.4	7690.5	7587.1	7580.8	7544.9
17.5°	6498.1	6536.1	6593.1	6785.1	7162.9	7392.9	7589.2	7574.4	7614.5	7585.0	7494.2
20°	6253.3	6284.9	6386.2	6483.3	6669.0	6975.1	7342.3	7369.7	7422.5	7416.1	7441.5
22.5°	6249.1	6137.2	6154.1	6230.1	6424.2	6698.6	7089.0	7179.8	7213.5	7236.8	7264.2
25°	4957.5	5846.0	6008.5	6057.0	6183.6	6344.0	6804.1	6837.9	6901.2	7004.6	7080.6
27.5°	4294.8	4898.4	5548.4	5886.1	5966.3	6099.2	6373.6	6424.2	6639.5	6664.8	6783.0
30°	3389.4	3855.8	4826.6	5639.1	5772.1	5865.0	6059.1	6160.4	6253.3	6354.6	6479.1
32.5°	3188.9	3262.8	3800.9	4666.2	5700.3	5630.7	5774.2	5835.4	5936.7	6025.4	6116.1
35°	3005.3	3055.9	3169.9	3822.0	4643.0	5438.6	5535.7	5575.8	5632.8	5700.3	5765.8
37.5°	2813.2	2889.2	2967.3	3142.5	4294.8	5286.7	5284.6	5331.0	5364.8	5421.8	5476.6
40°	510.7	2652.8	2779.5	2893.4	3330.3	4216.7	5048.2	5069.3	5092.5	5128.4	5185.4
42.5°	82.3	443.2	2604.3	2714.0	2838.6	3775.6	4940.6	4854.1	4839.3	4864.6	4915.3
45°	42.2	107.6	523.4	2534.7	2646.5	3011.6	4039.4	4704.2	4689.4	4640.9	4651.4
47.5°	31.7	67.5	128.7	875.8	2477.7	2585.3	3727.1	3687.0	3967.7	4505.8	4423.5
50°	27.4	46.4	76.0	179.4	2188.5	2380.6	2870.2	3353.5	3501.2	3520.2	4166.0
52.5°	25.3	31.7	54.9	116.1	460.1	2201.2	2334.2	2503.0	2752.0	3286.0	3273.3
55°	23.2	29.5	46.4	78.1	160.4	1983.8	2121.0	2152.7	2205.4	2460.8	2798.5
57.5°	12.7	27.4	44.3	67.5	120.3	363.0	1924.7	1950.1	1992.3	2002.8	2123.1
60°	6.3	25.3	40.1	59.1	88.6	168.8	1730.6	1760.1	1785.4	1789.7	1827.7
62.5°	4.2	23.2	33.8	54.9	73.9	120.3	409.4	835.7	1589.2	1589.2	1633.5
65°	4.2	16.9	21.1	35.9	67.5	99.2	173.1	200.5	390.4	960.3	1433.0
67.5°	4.2	6.3	19.0	29.5	50.7	76.0	126.6	147.7	177.3	202.6	375.7
70°	4.2	4.2	16.9	19.0	31.7	57.0	90.7	103.4	120.3	137.2	158.3
72.5°	4.2	4.2	14.8	14.8	21.1	38.0	69.6	76.0	86.5	97.1	111.9
75°	10.6	8.4	12.7	12.7	14.8	29.5	52.8	59.1	63.3	71.8	82.3
77.5°	10.6	10.6	10.6	10.6	10.6	19.0	33.8	38.0	44.3	48.5	57.0
80°	8.4	8.4	8.4	10.6	10.6	12.7	21.1	23.2	25.3	31.7	33.8
82.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	12.7	14.8	19.0
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.4	8.4	8.4	8.4
87.5°	6.3	6.3	6.3	4.2	4.2	6.3	6.3	6.3	6.3	6.3	6.3
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-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7076.4	7063.7	7053.1	7059.5	7040.5	7032.0	7038.4	7040.5	7044.7	7055.3	7057.4
5°	7057.4	7053.1	7072.1	7082.7	7078.5	7082.7	7082.7	7074.3	7061.6	7070.0	7051.0
7.5°	7044.7	7017.3	6996.2	7000.4	6979.3	7004.6	7027.8	7061.6	7072.1	7072.1	7051.0
10°	7262.1	7232.5	7114.4	7034.2	6981.4	6935.0	7044.7	6932.9	6985.6	6785.1	7015.2
12.5°	7441.5	7481.6	7428.8	7209.3	7171.3	7032.0	7112.2	6975.1	6935.0	6704.9	6778.8
15°	7513.2	7437.3	7420.4	7359.2	7276.9	7236.8	7021.5	6998.3	6932.9	6958.2	6861.1
17.5°	7449.9	7487.9	7437.3	7397.2	7312.7	7217.8	7089.0	6975.1	6884.3	6681.7	6852.7
20°	7388.7	7439.4	7287.4	7312.7	7321.2	7211.4	7143.9	7048.9	6935.0	6745.0	6597.3
22.5°	7287.4	7251.5	7264.2	7226.2	7194.5	7209.3	7116.5	7051.0	6859.0	6772.5	6572.0
25°	7122.8	7110.1	7143.9	7139.7	7063.7	7038.4	6991.9	6922.3	6846.3	6707.0	6542.4
27.5°	6854.8	6920.2	6979.3	7006.7	6966.6	6899.1	6873.8	6833.7	6780.9	6639.5	6517.1
30°	6572.0	6645.8	6713.4	6772.5	6808.3	6778.8	6755.6	6732.4	6652.2	6559.3	6422.1
32.5°	6249.1	6346.1	6439.0	6510.8	6588.8	6612.1	6595.2	6576.2	6508.7	6424.2	6314.5
35°	5875.5	6008.5	6143.5	6272.3	6306.0	6360.9	6415.8	6384.1	6348.3	6263.8	6162.5
37.5°	5558.9	5653.9	5751.0	5913.5	6031.7	6101.3	6198.4	6211.1	6149.9	6109.8	5976.8
40°	5231.8	5318.4	5459.8	5554.7	5717.2	5797.4	5900.8	5947.3	5932.5	5909.3	5793.2
42.5°	4974.3	5016.6	5109.4	5193.8	5354.2	5518.8	5609.6	5660.2	5713.0	5694.0	5634.9
45°	4700.0	4738.0	4769.6	4843.5	4999.7	5145.3	5257.1	5333.1	5428.1	5472.4	5400.7
47.5°	4427.7	4438.3	4476.3	4537.5	4630.3	4742.2	4930.0	5044.0	5132.6	5219.2	5172.7
50°	4218.8	4180.8	4187.1	4225.1	4301.1	4410.9	4545.9	4706.3	4807.6	4913.1	4923.7
52.5°	3687.0	3995.1	3921.2	3942.3	3982.4	4035.2	4176.6	4334.9	4459.4	4550.1	4640.9
55°	3093.9	3155.1	3748.2	3663.8	3689.1	3735.5	3800.9	3959.2	4079.5	4206.1	4332.8
57.5°	2399.6	2855.4	2878.7	3427.4	3414.7	3418.9	3473.8	3564.6	3684.9	3843.1	3950.8
60°	1865.6	2057.7	2431.2	2621.2	3102.4	3119.3	3150.9	3203.7	3307.1	3456.9	3627.9
62.5°	1646.2	1671.5	1804.4	2089.4	2401.7	2779.5	2847.0	2855.4	2901.9	3051.7	3250.1
65°	1445.7	1462.5	1502.6	1532.2	1793.9	2159.0	2484.0	2536.8	2566.3	2655.0	2823.8
67.5°	996.1	1259.9	1295.8	1316.9	1342.3	1511.1	1914.2	2182.2	2216.0	2294.1	2441.8
70°	192.1	398.9	1091.1	1114.3	1127.0	1165.0	1230.4	1656.7	1880.4	1954.3	2021.8
72.5°	130.8	154.1	185.7	439.0	928.6	949.7	964.5	1019.4	1397.1	1612.4	1648.3
75°	95.0	105.5	124.5	154.1	189.9	618.4	766.1	793.5	821.0	1133.3	1314.8
77.5°	67.5	76.0	84.4	99.2	116.1	149.8	215.3	593.0	620.5	635.2	896.9
80°	38.0	46.4	57.0	65.4	73.9	84.4	109.7	137.2	306.0	447.4	470.6
82.5°	21.1	25.3	29.5	35.9	40.1	50.7	61.2	73.9	97.1	143.5	303.9
85°	10.6	10.6	10.6	14.8	16.9	23.2	27.4	31.7	44.3	61.2	84.4
87.5°	6.3	6.3	8.4	8.4	8.4	10.6	10.6	10.6	12.7	19.0	27.4
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-LD5-120SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	7032.0	7032.0	7032.0	7032.0	7032.0
2.5°	7059.5	7053.1	7053.1	7078.5	7072.1
5°	7046.8	7040.5	7038.4	7065.8	7053.1
7.5°	7036.3	7013.1	7006.7	7032.0	7021.5
10°	6994.1	6977.2	6987.7	6979.3	6975.1
12.5°	6922.3	6911.7	6867.4	6871.6	6907.5
15°	6793.6	6835.8	6759.8	6827.3	6842.1
17.5°	6557.2	6652.2	6726.0	6766.1	6772.5
20°	6662.7	6694.4	6656.4	6658.5	6683.8
22.5°	6525.5	6540.3	6550.9	6538.2	6593.1
25°	6306.0	6249.1	6371.5	6396.8	6485.4
27.5°	6238.5	6192.1	6249.1	6244.8	6318.7
30°	6183.6	6033.8	6059.1	6099.2	6190.0
32.5°	6105.6	5869.2	5843.9	5932.5	6033.8
35°	5968.4	5744.7	5685.6	5742.6	5894.5
37.5°	5852.3	5571.6	5453.4	5529.4	5727.8
40°	5679.2	5436.5	5252.9	5320.5	5554.7
42.5°	5472.4	5320.5	5037.7	5084.1	5352.1
45°	5263.5	5128.4	4828.7	4851.9	5170.6
47.5°	5050.3	4925.8	4611.3	4615.6	4938.5
50°	4841.4	4676.8	4417.2	4343.3	4691.5
52.5°	4569.1	4417.2	4220.9	4100.6	4457.3
55°	4311.7	4140.7	3997.2	3811.5	4191.4
57.5°	4060.5	3870.6	3773.5	3535.0	3889.6
60°	3716.5	3625.8	3482.3	3254.3	3617.3
62.5°	3364.1	3334.5	3188.9	2952.5	3281.8
65°	2952.5	3022.2	2872.3	2669.7	2933.5
67.5°	2564.2	2688.7	2524.1	2399.6	2598.0
70°	2150.6	2294.1	2201.2	2156.9	2241.3
72.5°	1743.2	1882.5	1891.0	1859.3	1886.7
75°	1346.5	1500.5	1585.0	1536.4	1542.7
77.5°	1021.5	1095.3	1188.2	1226.2	1217.7
80°	631.0	759.8	835.7	913.8	886.4
82.5°	318.7	426.3	519.2	603.6	563.5
85°	133.0	170.9	238.5	314.5	301.8
87.5°	40.1	67.5	71.8	101.3	95.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)