

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

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-101SL-RM-UNV-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-101SL-RM-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

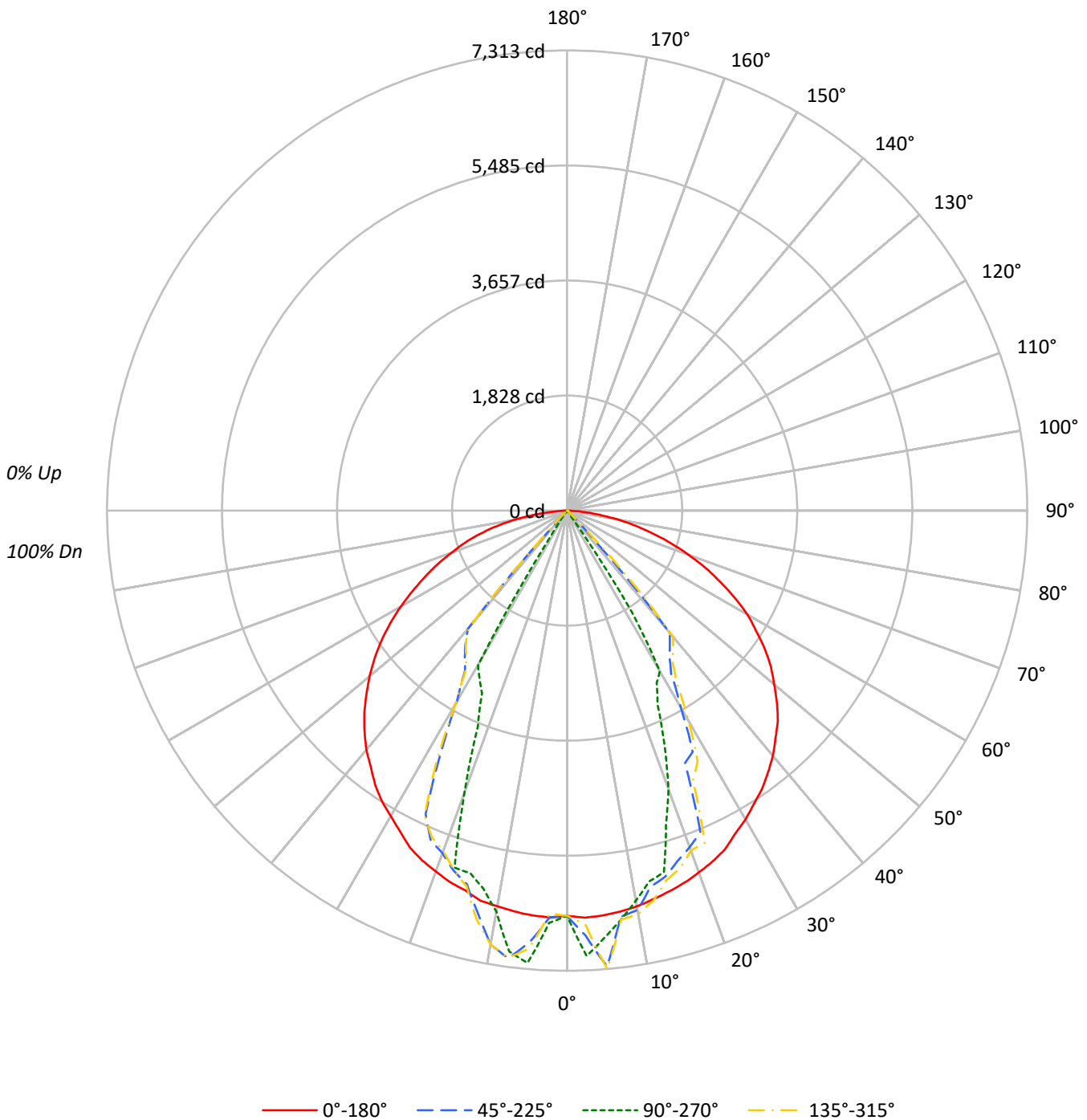
Lumens per Lamp: N/A  
Luminaire Lumens: 9156.0 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 75  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#  
CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L950-CD1-U

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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°	26018	26018	26018	26018
5°	26160	26759	26152	28337
10°	26133	24214	26117	24913
15°	26099	22601	26034	22659
20°	26167	17802	26093	18021
25°	26284	12883	26156	12157
30°	26209	11301	25932	10864
35°	26336	249	25949	302
40°	26481	54	25847	54
45°	26639	32	25638	24
50°	26511	25	25294	25
55°	26446	18	24821	18
60°	26062	19	24024	19
65°	24849	31	23080	21
70°	23247	34	22131	34
75°	20839	38	21181	38
80°	17350	43	18339	43
85°	10872	51	11096	51



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L950-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	646.0	7.1
10°-20°	1762.1	19.2
20°-30°	2242.3	24.5
30°-40°	1894.1	20.7
40°-50°	1238.3	13.5
50°-60°	780.3	8.5
60°-70°	415.4	4.5
70°-80°	151.4	1.7
80°-90°	26.0	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°	4650.5	50.8
0°-40°	6544.6	71.5
0°-60°	8563.2	93.5
0°-90°	9156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6439	6439	6439	6439	6439	
5°	6458	6814	6457	7216	6458	614
15°	6265	5946	6250	5962	6265	1771
25°	5939	3396	5910	3204	5939	2731
35°	5398	64	5318	77	5398	3377
45°	4735	8	4557	6	4735	3641
55°	3838	4	3602	4	3838	3420
65°	2686	6	2495	4	2686	2660
75°	1413	6	1436	6	1413	1499
85°	276	6	282	6	276	349
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6475.9	6479.8	6481.7	6485.6	6491.4	6493.3	6497.2	6493.3	6493.3	6493.3	6493.3
5°	6458.5	6466.2	6472.0	6479.8	6493.3	6495.2	6510.7	6512.6	6520.4	6535.8	6547.4
7.5°	6429.5	6437.3	6448.8	6468.2	6487.5	6508.8	6535.8	6564.8	6605.4	6644.0	6692.3
10°	6387.0	6396.7	6410.2	6427.6	6522.3	6535.8	6595.7	6678.8	6702.0	6823.8	6914.6
12.5°	6325.2	6358.0	6392.8	6408.3	6499.1	6642.1	6843.1	6802.5	6758.1	7156.2	7150.4
15°	6265.3	6309.7	6292.3	6417.9	6501.0	6750.3	6665.3	6846.9	7179.3	7098.2	7102.0
17.5°	6201.5	6211.1	6307.8	6412.1	6560.9	6688.5	6792.8	7042.1	7107.8	7113.6	7042.1
20°	6120.3	6166.7	6307.8	6402.5	6653.7	6713.6	6939.7	7067.3	7040.2	6974.5	6852.7
22.5°	6037.2	6178.3	6321.3	6454.6	6630.5	6790.9	6903.0	6962.9	6821.8	6562.9	6423.7
25°	5938.7	6021.8	6209.2	6404.4	6624.7	6717.5	6783.2	6686.5	6503.0	6271.1	6037.2
27.5°	5786.0	5919.3	6159.0	6379.3	6578.3	6690.4	6584.1	6352.2	6056.5	5903.9	5797.6
30°	5668.1	5842.0	6039.2	6251.7	6458.5	6524.2	6253.7	5988.9	5786.0	5633.3	5610.1
32.5°	5525.1	5772.5	5959.9	6162.8	6336.8	6249.8	5987.0	5644.9	5476.8	5418.8	5442.0
35°	5397.6	5585.0	5830.4	6029.5	6155.1	5959.9	5544.4	5331.8	5250.7	5283.5	5241.0
37.5°	5244.9	5492.2	5718.4	5890.3	5847.8	5554.1	5202.4	5067.1	5076.8	5049.7	4968.5
40°	5086.4	5322.2	5558.0	5720.3	5571.5	5123.1	4889.3	4860.3	4866.1	4779.1	4663.2
42.5°	4900.9	5115.4	5351.2	5498.0	5177.2	4827.5	4669.0	4672.9	4622.6	4500.9	4439.0
45°	4734.7	4931.8	5177.2	5190.8	4796.5	4504.7	4458.3	4408.1	4296.0	4255.4	4209.0
47.5°	4522.1	4740.5	4943.4	4870.0	4423.6	4241.9	4207.1	4097.0	4040.9	4010.0	3971.3
50°	4296.0	4516.3	4701.8	4493.1	4071.8	4029.3	3915.3	3828.3	3789.7	3756.8	3722.0
52.5°	4081.5	4263.2	4452.5	4093.1	3801.3	3760.7	3631.2	3581.0	3542.3	3505.6	3497.9
55°	3838.0	3998.4	4127.9	3712.4	3542.3	3447.6	3354.9	3320.1	3283.4	3266.0	3295.0
57.5°	3561.6	3743.3	3724.0	3337.5	3262.1	3124.9	3090.1	3066.9	3039.9	3051.5	2809.9
60°	3312.4	3451.5	3356.8	3063.1	2935.5	2842.7	2811.8	2796.4	2811.8	2576.1	2264.9
62.5°	3005.1	3161.6	2970.3	2742.3	2607.0	2562.5	2535.5	2556.7	2330.6	2071.7	1996.3
65°	2686.2	2856.3	2574.1	2398.3	2313.2	2274.6	2272.7	2092.9	1870.7	1770.2	1770.2
67.5°	2378.9	2554.8	2191.5	2044.6	2011.8	2015.6	1903.5	1631.1	1569.2	1501.6	1306.4
70°	2052.3	2206.9	1810.8	1721.9	1702.6	1689.0	1416.5	1343.1	1269.7	1089.9	1074.5
72.5°	1727.7	1803.0	1455.2	1433.9	1430.1	1188.5	1134.4	1008.8	923.7	902.5	892.8
75°	1412.7	1389.5	1149.9	1169.2	985.6	900.6	813.6	740.2	728.6	720.8	179.7
77.5°	1115.1	999.1	906.4	788.5	705.4	599.1	581.7	570.1	374.9	135.3	110.2
80°	811.7	647.4	602.9	512.1	436.8	419.4	429.0	131.4	104.4	87.0	75.4
82.5°	516.0	413.6	338.2	295.7	287.9	125.6	92.8	75.4	65.7	56.0	46.4
85°	276.4	183.6	170.1	143.0	85.0	58.0	48.3	36.7	30.9	25.1	23.2
87.5°	87.0	73.4	59.9	48.3	29.0	19.3	15.5	13.5	11.6	9.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6489.4	6493.3	6491.4	6497.2	6497.2	6504.9	6510.7	6516.5	6528.1	6533.9	6578.3
5°	6572.5	6582.2	6611.2	6638.2	6671.1	6680.8	6736.8	6750.3	6816.0	6823.8	7040.2
7.5°	6758.1	6794.8	6864.3	6933.9	7003.5	7047.9	7125.2	7173.5	7225.7	7272.1	7444.1
10°	6982.2	7044.1	7111.7	7181.3	7221.9	7306.9	7353.3	7361.0	7347.5	7272.1	6993.8
12.5°	7202.5	7264.4	7235.4	7248.9	7297.2	7146.5	7167.7	7059.5	7134.9	6761.9	6485.6
15°	7171.6	7167.7	7096.2	6864.3	6903.0	6615.0	6499.1	6410.2	6481.7	6443.0	6400.5
17.5°	7078.9	6903.0	6779.3	6501.0	6383.1	6302.0	6303.9	6305.8	6271.1	6307.8	6199.6
20°	6686.5	6489.4	6305.8	6207.3	6172.5	6114.5	6143.5	6114.5	6116.5	6128.0	5961.8
22.5°	6164.8	6104.9	5998.6	6029.5	6017.9	6070.1	6031.4	5971.5	5990.8	5903.9	5778.3
25°	5954.1	5884.5	5880.7	5892.3	5874.9	5851.7	5816.9	5726.1	5720.3	5693.2	5635.3
27.5°	5741.5	5745.4	5757.0	5722.2	5660.4	5614.0	5561.8	5517.4	5534.8	5503.8	5424.6
30°	5594.7	5592.7	5523.2	5492.2	5378.2	5380.2	5366.6	5339.6	5322.2	5324.1	5273.9
32.5°	5386.0	5326.0	5246.8	5208.2	5198.5	5163.7	5136.7	5142.5	5156.0	5107.7	5159.9
35°	5171.4	5047.8	5036.2	5003.3	4972.4	4949.2	4958.9	4920.2	4918.3	4912.5	4487.3
37.5°	4883.5	4823.6	4817.8	4783.0	4761.7	4756.0	4719.2	4725.0	4742.4	4773.3	3826.4
40°	4645.8	4591.7	4578.2	4576.2	4529.8	4526.0	4535.6	4572.4	4597.5	4404.2	3646.7
42.5°	4390.7	4394.6	4352.1	4325.0	4330.8	4348.2	4394.6	4267.0	3696.9	3523.0	3333.6
45°	4172.3	4153.0	4129.8	4122.1	4172.3	4137.5	3627.4	3347.1	3279.5	3271.8	2740.3
47.5°	3944.3	3938.5	3928.8	3934.6	3648.6	3252.4	3136.5	3099.8	3111.4	3103.6	2353.8
50°	3714.3	3722.0	3722.0	3250.5	2983.8	2918.1	2927.8	2960.6	2755.8	2572.2	2193.4
52.5°	3515.3	3455.4	2960.6	2790.6	2730.7	2759.7	2690.1	2433.1	2247.5	2139.3	2029.2
55°	3146.2	2705.5	2595.4	2568.3	2589.6	2332.6	2174.1	2007.9	1959.6	1948.0	1884.2
57.5°	2475.6	2386.7	2396.3	2288.1	2042.7	1897.7	1834.0	1810.8	1789.5	1774.1	154.6
60°	2189.6	2214.7	2027.2	1795.3	1696.8	1677.4	1662.0	1640.7	1636.9	1609.8	98.6
62.5°	2004.0	1762.5	1600.1	1542.2	1519.0	1513.2	1484.2	1474.5	1252.3	172.0	73.4
65°	1511.2	1412.7	1381.8	1368.2	1343.1	1343.1	1115.1	175.9	143.0	123.7	65.7
67.5°	1233.0	1225.2	1209.8	1192.4	811.7	170.1	148.8	129.5	112.1	98.6	58.0
70°	1043.6	1039.7	946.9	173.9	144.9	127.5	112.1	100.5	92.8	83.1	52.2
72.5°	856.1	173.9	146.9	127.5	110.2	100.5	90.8	81.2	73.4	67.6	42.5
75°	133.3	117.9	104.4	94.7	87.0	77.3	69.6	63.8	61.8	54.1	29.0
77.5°	96.6	83.1	75.4	67.6	59.9	54.1	46.4	40.6	36.7	30.9	21.3
80°	67.6	59.9	54.1	44.4	38.7	32.9	29.0	25.1	23.2	19.3	9.7
82.5°	38.7	32.9	29.0	23.2	21.3	17.4	15.5	13.5	13.5	9.7	9.7
85°	17.4	17.4	13.5	11.6	9.7	9.7	9.7	7.7	7.7	5.8	5.8
87.5°	7.7	7.7	7.7	7.7	7.7	5.8	5.8	5.8	5.8	5.8	3.9
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-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6640.2	6665.3	6713.6	6763.8	6707.8	6908.8	6893.3	6961.0	6997.7	7015.1	7055.7
5°	7231.5	7343.6	7380.3	7270.2	7206.4	7140.7	6991.9	6879.8	6893.3	6856.6	6723.3
7.5°	7219.9	6980.3	6657.6	6510.7	6499.1	6481.7	6528.1	6555.1	6559.0	6557.1	6553.2
10°	6609.2	6485.6	6464.3	6445.0	6452.7	6381.2	6348.4	6255.6	6305.8	6278.8	6288.4
12.5°	6423.7	6394.7	6280.7	6122.2	6216.9	6145.4	6104.9	6131.9	6101.0	6072.0	6062.3
15°	6313.6	6126.1	6062.3	6023.7	5996.6	5981.2	5994.7	5963.8	5954.1	5948.3	5961.8
17.5°	6085.5	6010.2	5940.6	5838.2	5840.1	5834.3	5873.0	5930.9	5934.8	5637.2	5368.6
20°	5905.8	5844.0	5755.1	5691.3	5778.3	5623.7	5026.5	4742.4	4698.0	4698.0	4705.7
22.5°	5762.8	5625.6	5631.4	5530.9	4717.3	4551.1	4555.0	4572.4	4493.1	4222.6	4193.6
25°	5567.6	5546.4	5123.1	4427.4	4433.2	4303.7	4104.7	3824.5	3521.1	3521.1	3470.8
27.5°	5420.7	4970.5	4352.1	4323.1	3888.2	3613.8	3443.8	3186.7	3152.0	3119.1	3123.0
30°	5295.1	4205.2	4220.6	3613.8	3293.0	3065.0	3051.5	3008.9	2987.7	2981.9	2960.6
32.5°	4185.9	4095.0	3532.7	3076.6	2951.0	2914.3	2896.9	2848.5	2846.6	2809.9	2554.8
35°	3925.0	3594.5	2956.8	2833.1	2796.4	2761.6	2732.6	1834.0	216.4	87.0	75.4
37.5°	3627.4	3003.1	2734.5	2678.5	2643.7	1953.8	195.2	67.6	48.3	34.8	30.9
40°	3074.7	2682.3	2597.3	2535.5	1045.5	67.6	42.5	32.9	19.3	17.4	15.5
42.5°	2593.5	2527.7	2436.9	742.1	77.3	32.9	21.3	15.5	13.5	13.5	11.6
45°	2427.3	2369.3	981.7	73.4	48.3	15.5	13.5	13.5	11.6	7.7	7.7
47.5°	2272.7	2000.2	88.9	46.4	30.9	13.5	11.6	7.7	7.7	7.7	5.8
50°	2108.4	110.2	61.8	34.8	19.3	7.7	7.7	7.7	7.7	5.8	5.8
52.5°	394.2	77.3	50.2	30.9	9.7	7.7	7.7	7.7	5.8	5.8	5.8
55°	92.8	61.8	46.4	27.1	7.7	7.7	7.7	5.8	5.8	5.8	3.9
57.5°	69.6	46.4	36.7	25.1	7.7	5.8	5.8	5.8	5.8	5.8	3.9
60°	58.0	32.9	29.0	23.2	5.8	5.8	5.8	5.8	5.8	5.8	3.9
62.5°	40.6	27.1	21.3	17.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8
65°	32.9	21.3	17.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
67.5°	29.0	17.4	11.6	3.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8
70°	23.2	5.8	5.8	3.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8
72.5°	19.3	5.8	3.9	3.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8
75°	19.3	9.7	3.9	3.9	5.8	5.8	7.7	7.7	5.8	5.8	5.8
77.5°	13.5	9.7	3.9	3.9	5.8	5.8	7.7	7.7	5.8	5.8	5.8
80°	7.7	9.7	3.9	5.8	5.8	11.6	13.5	7.7	5.8	5.8	5.8
82.5°	7.7	9.7	11.6	11.6	5.8	9.7	11.6	9.7	7.7	5.8	5.8
85°	7.7	5.8	7.7	9.7	5.8	9.7	9.7	7.7	7.7	5.8	5.8
87.5°	3.9	5.8	5.8	7.7	7.7	7.7	9.7	7.7	7.7	7.7	5.8
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-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	7075.0	7082.7	6961.0	6918.5	6955.2	6947.4	6914.6	6792.8	6779.3	6698.1	6580.3
5°	6761.9	6814.1	6750.3	6860.5	6808.3	6860.5	7018.9	7092.4	7212.2	7285.6	7312.7
7.5°	6543.5	6555.1	6555.1	6564.8	6574.5	6576.4	6564.8	6557.1	6524.2	6483.6	6557.1
10°	6278.8	6292.3	6315.5	6311.6	6309.7	6350.3	6360.0	6443.0	6439.2	6454.6	6510.7
12.5°	6141.6	6037.2	6131.9	6106.8	6141.6	6087.5	6188.0	6170.6	6176.4	6222.7	6342.6
15°	5913.5	5946.4	5969.6	5969.6	5983.1	5971.5	5959.9	6039.2	6087.5	6089.4	6081.7
17.5°	5474.9	5225.6	5480.7	5414.9	5938.7	5952.2	5907.7	5871.0	5871.0	5900.0	5961.8
20°	4699.9	4705.7	4707.6	4732.8	4763.7	4761.7	4763.7	5525.1	5886.5	5803.4	5747.3
22.5°	4120.2	4048.6	4182.0	4172.3	4338.5	4522.1	4698.0	4680.6	4692.2	5229.4	5712.6
25°	3302.7	3395.5	3320.1	3352.9	3540.4	3758.8	3894.0	4247.7	4632.3	4605.2	4730.8
27.5°	3109.4	3084.3	3119.1	3119.1	3144.2	3173.2	3248.6	3447.6	3789.7	4149.1	4489.3
30°	2925.8	2947.1	2951.0	2985.8	3005.1	3024.4	3036.0	3111.4	3188.7	3438.0	3857.3
32.5°	2197.3	1926.7	2535.5	2699.7	2838.9	2871.7	2894.9	2925.8	2981.9	3018.6	3229.3
35°	63.8	63.8	67.6	77.3	98.6	664.8	2531.6	2790.6	2827.3	2873.7	2912.3
37.5°	30.9	23.2	27.1	29.0	34.8	48.3	69.6	216.4	2409.9	2724.9	2767.4
40°	13.5	13.5	13.5	13.5	15.5	19.3	29.0	48.3	73.4	1938.3	2614.7
42.5°	11.6	11.6	11.6	11.6	11.6	11.6	13.5	17.4	34.8	83.1	1372.1
45°	7.7	7.7	5.8	7.7	7.7	9.7	11.6	11.6	15.5	52.2	94.7
47.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	9.7	11.6	34.8	50.2
50°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	27.1	34.8
52.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	11.6	30.9
55°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	7.7	27.1
57.5°	3.9	3.9	3.9	3.9	3.9	5.8	3.9	3.9	5.8	5.8	25.1
60°	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8	5.8	5.8	23.2
62.5°	5.8	5.8	3.9	5.8	3.9	3.9	5.8	5.8	5.8	5.8	15.5
65°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	3.9	5.8
67.5°	5.8	5.8	5.8	5.8	3.9	5.8	3.9	5.8	5.8	3.9	3.9
70°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9
72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9
75°	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7	3.9	3.9	3.9
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	9.7	11.6	9.7	9.7	3.9
80°	5.8	5.8	5.8	5.8	5.8	5.8	9.7	9.7	9.7	9.7	13.5
82.5°	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7	7.7	7.7	9.7
85°	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7	7.7	5.8	7.7
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	5.8	5.8	5.8
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-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6589.9	6524.2	6503.0	6458.5	6454.6	6458.5	6448.8	6435.3	6443.0	6429.5	6417.9
5°	7328.1	7152.3	7038.3	6885.6	6675.0	6628.6	6617.0	6551.3	6528.1	6520.4	6489.4
7.5°	6731.0	7051.8	7245.0	7310.8	7063.4	7005.4	6937.8	6883.7	6831.5	6732.9	6673.0
10°	6466.2	6481.7	6667.2	6883.7	7235.4	7283.7	7320.4	7202.5	7169.7	6918.5	6864.3
12.5°	6404.4	6406.3	6427.6	6559.0	6835.4	6866.3	6995.8	7065.3	7150.4	7198.7	7160.0
15°	6122.2	6278.8	6394.7	6406.3	6431.5	6485.6	6524.2	6765.8	6868.2	7142.6	7127.2
17.5°	5990.8	6041.1	6209.2	6346.4	6323.2	6303.9	6334.8	6367.7	6466.2	6740.7	6736.8
20°	5772.5	5932.9	6023.7	6166.7	6296.2	6302.0	6267.2	6247.9	6209.2	6253.7	6294.2
22.5°	5679.7	5704.8	5874.9	5975.4	6122.2	6174.4	6182.2	6184.1	6162.8	6139.6	6128.0
25°	5670.0	5590.8	5677.8	5803.4	5911.6	5967.6	6031.4	6052.7	6044.9	6044.9	6033.4
27.5°	4640.0	5565.7	5519.3	5602.4	5733.8	5772.5	5805.3	5871.0	5911.6	5940.6	5954.1
30°	4419.7	4585.9	5395.6	5407.2	5540.6	5536.7	5573.4	5627.5	5679.7	5747.3	5764.7
32.5°	3909.5	4317.3	4939.5	5212.0	5351.2	5364.7	5384.0	5399.5	5447.8	5523.2	5588.9
35°	3132.6	3932.7	4232.2	5119.3	5144.4	5171.4	5183.0	5219.8	5235.2	5266.1	5324.1
37.5°	2835.0	3250.5	4060.2	4427.4	4906.7	4929.9	4991.7	5007.2	5032.3	5057.4	5101.9
40°	2663.0	2777.0	3380.0	3954.0	4715.4	4730.8	4752.1	4790.7	4792.7	4821.7	4862.2
42.5°	2525.8	2599.3	2775.1	3776.2	4580.1	4578.2	4527.9	4553.0	4564.6	4595.6	4651.6
45°	2017.6	2438.9	2550.9	3084.3	3646.7	3909.5	4413.9	4330.8	4328.9	4340.5	4400.4
47.5°	102.4	2293.9	2373.1	2545.1	3443.8	3453.4	3519.1	4071.8	4156.9	4129.8	4135.6
50°	69.6	158.5	2210.8	2290.0	2968.4	3208.0	3256.3	3281.4	3600.3	3955.9	3897.9
52.5°	54.1	90.8	1354.7	2125.8	2411.8	2587.7	2898.8	3076.6	3095.9	3238.9	3724.0
55°	48.3	69.6	146.9	1961.5	2050.4	2089.1	2270.7	2581.9	2833.1	2908.5	2914.3
57.5°	42.5	63.8	100.5	887.0	1864.9	1872.6	1903.5	2011.8	2237.9	2444.6	2678.5
60°	38.7	56.0	79.2	152.7	1694.8	1714.2	1720.0	1748.9	1776.0	1917.1	2185.7
62.5°	23.2	44.4	69.6	110.2	1341.2	1540.2	1538.3	1557.6	1582.7	1598.2	1652.3
65°	19.3	34.8	59.9	92.8	164.3	204.8	1244.5	1383.7	1399.2	1420.4	1430.1
67.5°	17.4	30.9	44.4	73.4	123.7	141.1	162.3	201.0	1097.7	1236.8	1256.1
70°	15.5	21.3	36.7	61.8	100.5	108.2	121.7	139.1	164.3	202.9	993.3
72.5°	9.7	15.5	25.1	44.4	77.3	87.0	94.7	106.3	117.9	141.1	162.3
75°	3.9	11.6	21.3	32.9	59.9	65.7	71.5	79.2	88.9	104.4	116.0
77.5°	3.9	9.7	17.4	23.2	38.7	44.4	52.2	58.0	65.7	73.4	85.0
80°	13.5	7.7	11.6	17.4	27.1	29.0	32.9	36.7	42.5	48.3	56.0
82.5°	9.7	11.6	13.5	11.6	13.5	17.4	19.3	23.2	25.1	29.0	30.9
85°	7.7	7.7	9.7	9.7	9.7	9.7	9.7	9.7	11.6	13.5	17.4
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6417.9	6414.1	6402.5	6402.5	6400.5	6408.3	6414.1	6419.9	6417.9	6429.5	6417.9
5°	6466.2	6456.6	6439.2	6423.7	6417.9	6421.8	6416.0	6421.8	6414.1	6423.7	6406.3
7.5°	6599.6	6566.7	6499.1	6472.0	6437.3	6435.3	6417.9	6414.1	6402.5	6402.5	6381.2
10°	6835.4	6676.9	6657.6	6576.4	6547.4	6406.3	6437.3	6385.1	6379.3	6354.2	6344.5
12.5°	7028.6	6904.9	6868.2	6796.7	6715.5	6429.5	6493.3	6381.2	6375.4	6325.2	6273.0
15°	7032.5	7104.0	7003.5	6806.4	6789.0	6591.9	6462.4	6423.7	6373.5	6222.7	6247.9
17.5°	6806.4	6970.6	7018.9	6976.4	6852.7	6719.4	6537.7	6460.4	6309.7	6242.1	6195.7
20°	6439.2	6605.4	6812.2	6825.7	6903.0	6808.3	6570.6	6445.0	6263.3	6145.4	6106.8
22.5°	6147.4	6269.1	6506.8	6617.0	6711.7	6744.5	6593.8	6408.3	6182.2	6068.1	6044.9
25°	5992.8	6019.8	6091.3	6220.8	6429.5	6580.3	6601.5	6404.4	6286.5	6037.2	5905.8
27.5°	5936.7	5913.5	5884.5	5950.3	6106.8	6290.4	6412.1	6445.0	6151.2	5913.5	5782.1
30°	5793.7	5807.2	5762.8	5739.6	5842.0	6031.4	6247.9	6302.0	6075.9	5830.4	5679.7
32.5°	5617.9	5641.0	5648.8	5608.2	5586.9	5718.4	5952.2	6081.7	6070.1	5712.6	5544.4
35°	5397.6	5463.3	5480.7	5482.6	5447.8	5426.5	5561.8	5830.4	5932.9	5658.4	5414.9
37.5°	5165.6	5185.0	5279.7	5304.8	5304.8	5241.0	5341.5	5556.0	5699.0	5536.7	5256.5
40°	4875.8	4937.6	5026.5	5071.0	5115.4	5121.2	5065.2	5215.9	5451.7	5411.1	5107.7
42.5°	4665.1	4705.7	4759.8	4819.7	4910.6	4933.7	4875.8	4902.8	5148.3	5254.5	4914.4
45°	4419.7	4473.8	4489.3	4555.0	4649.7	4717.3	4715.4	4659.3	4856.4	4987.9	4773.3
47.5°	4168.5	4220.6	4247.7	4280.6	4350.1	4437.1	4485.4	4460.3	4498.9	4756.0	4585.9
50°	3909.5	3938.5	3992.6	4029.3	4075.7	4125.9	4241.9	4265.1	4211.0	4415.8	4379.1
52.5°	3664.1	3673.7	3710.5	3747.2	3809.0	3845.7	3938.5	4008.1	4004.2	4064.1	4149.1
55°	3472.8	3430.2	3438.0	3467.0	3507.5	3563.6	3615.8	3724.0	3760.7	3772.3	3907.6
57.5°	2713.3	3150.0	3188.7	3186.7	3235.1	3260.2	3308.5	3380.0	3511.4	3482.4	3633.2
60°	2465.9	2514.2	2879.5	2922.0	2939.4	2962.6	3020.5	3086.2	3182.9	3244.7	3310.4
62.5°	1880.3	2174.1	2284.2	2607.0	2657.2	2670.8	2709.4	2740.3	2840.8	2981.9	2954.8
65°	1455.2	1580.8	1917.1	2048.5	2322.9	2357.7	2411.8	2444.6	2473.6	2636.0	2643.7
67.5°	1258.1	1277.4	1368.2	1621.4	1795.3	2063.9	2096.8	2125.8	2170.2	2286.2	2357.7
70°	1074.5	1097.7	1122.8	1144.1	1370.2	1548.0	1797.3	1806.9	1835.9	1913.2	2075.5
72.5°	202.9	918.0	933.4	946.9	972.1	1089.9	1327.6	1520.9	1532.5	1569.2	1718.0
75°	137.2	160.4	220.3	757.6	782.7	790.4	831.0	1072.6	1250.3	1258.1	1323.8
77.5°	98.6	110.2	133.3	158.5	403.9	606.8	616.5	660.9	844.5	977.9	989.5
80°	67.6	75.4	88.9	100.5	123.7	162.3	448.3	461.9	485.1	668.7	703.4
82.5°	38.7	44.4	52.2	63.8	73.4	92.8	119.8	154.6	315.0	336.3	446.4
85°	19.3	21.3	25.1	30.9	36.7	44.4	59.9	73.4	100.5	181.7	187.5
87.5°	9.7	9.7	9.7	9.7	15.5	17.4	21.3	27.1	34.8	52.2	67.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6419.9	6446.9	6470.1	6475.9	6475.9	6479.8	6485.6	6489.4	6493.3	6497.2	6493.3
5°	6408.3	6437.3	6456.6	6462.4	6462.4	6474.0	6483.6	6495.2	6501.0	6501.0	6497.2
7.5°	6379.3	6400.5	6425.7	6441.1	6443.0	6462.4	6479.8	6477.8	6485.6	6489.4	6499.1
10°	6340.6	6340.6	6383.1	6394.7	6404.4	6425.7	6431.5	6443.0	6470.1	6474.0	6499.1
12.5°	6321.3	6302.0	6352.2	6358.0	6390.9	6363.8	6398.6	6410.2	6383.1	6419.9	6371.5
15°	6234.3	6257.5	6249.8	6267.2	6325.2	6294.2	6388.9	6358.0	6427.6	6344.5	6491.4
17.5°	6162.8	6159.0	6189.9	6205.3	6216.9	6282.6	6307.8	6342.6	6369.6	6346.4	6404.4
20°	6110.7	6079.7	6102.9	6120.3	6160.9	6211.1	6226.6	6174.4	6265.3	6419.9	6456.6
22.5°	6012.1	5990.8	6017.9	6017.9	6079.7	6072.0	6130.0	6097.1	6182.2	6361.9	6549.3
25°	5878.8	5880.7	5909.7	5944.5	5956.1	6043.0	6073.9	6116.5	6222.7	6437.3	6551.3
27.5°	5743.5	5731.9	5749.3	5820.8	5880.7	5944.5	5954.1	6099.1	6244.0	6390.9	6491.4
30°	5608.2	5596.6	5608.2	5660.4	5731.9	5774.4	5880.7	6073.9	6209.2	6309.7	6404.4
32.5°	5463.3	5451.7	5478.7	5517.4	5643.0	5648.8	5859.4	6041.1	6147.4	6220.8	6203.4
35°	5308.7	5293.2	5318.3	5378.2	5494.2	5536.7	5757.0	5892.3	6012.1	6046.9	5965.7
37.5°	5123.1	5096.1	5127.0	5210.1	5331.8	5455.5	5639.1	5795.7	5859.4	5766.7	5670.0
40°	4929.9	4910.6	4964.7	5007.2	5150.2	5322.2	5532.8	5643.0	5602.4	5496.1	5389.8
42.5°	4757.9	4717.3	4765.6	4846.8	5009.1	5204.3	5374.4	5436.2	5339.6	5183.0	5059.4
45°	4547.2	4498.9	4556.9	4665.1	4839.1	5061.3	5194.6	5173.4	5009.1	4873.8	4703.8
47.5°	4326.9	4269.0	4326.9	4456.4	4651.6	4887.4	4984.0	4887.4	4680.6	4510.5	4373.3
50°	4110.5	4042.8	4098.9	4294.1	4485.4	4667.1	4665.1	4477.7	4354.0	4168.5	4048.6
52.5°	3896.0	3799.4	3855.4	4068.0	4259.3	4466.1	4313.4	4139.5	3990.7	3828.3	3789.7
55°	3631.2	3526.9	3602.2	3911.4	4058.3	4180.1	3936.6	3783.9	3637.0	3555.9	3507.5
57.5°	3380.0	3266.0	3331.7	3696.9	3805.1	3836.1	3611.9	3395.5	3308.5	3281.4	3211.9
60°	3121.0	2991.6	3053.4	3474.7	3550.1	3424.4	3204.1	3036.0	3018.6	2964.5	2910.4
62.5°	2873.7	2730.7	2769.3	3198.3	3233.1	3005.1	2802.2	2757.7	2715.2	2661.1	2632.1
65°	2589.6	2440.8	2494.9	2904.6	2871.7	2578.0	2464.0	2454.3	2398.3	2353.8	2396.3
67.5°	2328.7	2152.8	2228.2	2583.8	2435.0	2195.4	2149.0	2125.8	2081.3	2106.5	1660.0
70°	2042.7	1851.4	1953.8	2237.9	2017.6	1859.1	1841.7	1806.9	1808.8	1437.8	1211.7
72.5°	1723.8	1557.6	1706.4	1859.1	1596.3	1549.9	1524.8	1520.9	1227.2	997.2	941.1
75°	1443.6	1275.5	1435.9	1493.8	1271.6	1240.7	1238.8	1024.2	805.9	769.1	751.8
77.5°	1126.7	997.2	1149.9	1062.9	975.9	941.1	844.5	633.9	606.8	581.7	218.4
80°	759.5	769.1	858.0	732.4	695.7	593.3	467.7	448.3	386.5	154.6	121.7
82.5°	461.9	579.8	546.9	458.0	448.3	322.7	295.7	150.7	112.1	88.9	77.3
85°	239.6	293.7	282.1	249.3	185.5	166.2	92.8	71.5	58.0	44.4	36.7
87.5°	81.2	108.2	104.4	83.1	63.8	50.2	32.9	27.1	19.3	15.5	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6489.4	6489.4	6485.6	6489.4	6491.4	6487.5	6487.5	6491.4	6493.3	6495.2	6504.9
5°	6499.1	6503.0	6508.8	6520.4	6522.3	6545.5	6555.1	6560.9	6566.7	6568.7	6555.1
7.5°	6520.4	6533.9	6545.5	6543.5	6530.0	6493.3	6481.7	6472.0	6489.4	6533.9	6586.1
10°	6539.7	6477.8	6361.9	6520.4	6472.0	6516.5	6647.9	6676.9	6765.8	6891.4	6928.1
12.5°	6406.3	6576.4	6613.1	6435.3	6763.8	6642.1	6787.0	6914.6	6951.3	7078.9	7001.5
15°	6549.3	6632.4	6688.5	6866.3	6846.9	6951.3	6991.9	6966.8	6972.6	7005.4	7092.4
17.5°	6547.4	6713.6	6750.3	6870.1	6951.3	6953.2	6941.6	6930.0	6961.0	6986.1	6933.9
20°	6659.5	6713.6	6785.1	6833.4	6848.9	6868.2	6904.9	6875.9	6818.0	6761.9	6738.7
22.5°	6603.4	6725.2	6787.0	6794.8	6785.1	6725.2	6671.1	6589.9	6562.9	6533.9	6543.5
25°	6615.0	6671.1	6663.4	6632.4	6591.9	6479.8	6452.7	6417.9	6365.7	6240.1	6126.1
27.5°	6531.9	6503.0	6468.2	6392.8	6319.4	6259.5	6191.8	6079.7	5987.0	5851.7	5801.4
30°	6392.8	6276.9	6191.8	6147.4	6075.9	5975.4	5873.0	5735.7	5617.9	5590.8	5565.7
32.5°	6126.1	6012.1	5942.5	5834.3	5712.6	5592.7	5474.9	5420.7	5395.6	5399.5	5376.3
35°	5853.6	5753.1	5648.8	5486.4	5395.6	5275.8	5233.3	5221.7	5198.5	5173.4	5146.3
37.5°	5563.7	5445.9	5289.3	5192.7	5101.9	5053.6	5032.3	5014.9	4974.3	4929.9	4899.0
40°	5283.5	5071.0	4984.0	4889.3	4862.2	4841.0	4810.1	4767.5	4711.5	4703.8	4690.2
42.5°	4908.6	4756.0	4680.6	4661.3	4628.4	4591.7	4564.6	4518.3	4495.1	4510.5	4522.1
45°	4553.0	4475.7	4450.6	4427.4	4365.6	4313.4	4296.0	4280.6	4299.9	4384.9	4182.0
47.5°	4265.1	4234.2	4203.2	4164.6	4106.6	4068.0	4085.4	4100.8	4118.2	3494.0	3188.7
50°	4015.8	3973.3	3925.0	3882.4	3847.7	3843.8	3934.6	3662.1	3066.9	3051.5	2742.3
52.5°	3743.3	3679.5	3650.5	3625.4	3640.9	3698.9	3061.1	2840.8	2724.9	2367.3	2208.9
55°	3449.6	3393.5	3393.5	3416.7	3333.6	2701.7	2668.8	2307.4	2089.1	2027.2	2002.1
57.5°	3155.8	3150.0	3182.9	2910.4	2452.4	2351.9	1977.0	1897.7	1863.0	1855.2	1814.6
60°	2887.2	2941.3	2462.0	2264.9	1969.2	1776.0	1721.9	1712.2	1675.5	1662.0	1625.3
62.5°	2672.7	2216.6	2063.9	1685.2	1586.6	1561.5	1532.5	1519.0	1486.1	1312.2	384.6
65°	1930.6	1824.3	1480.3	1416.5	1408.8	1372.1	1360.5	1223.3	287.9	193.3	164.3
67.5°	1457.1	1292.9	1248.4	1236.8	1200.1	1126.7	334.3	191.3	164.3	143.0	125.6
70°	1118.9	1089.9	1057.1	1030.0	303.4	189.4	164.3	139.1	119.8	106.3	96.6
72.5°	916.0	896.7	521.8	199.1	162.3	137.2	121.7	106.3	92.8	85.0	77.3
75°	717.0	199.1	164.3	137.2	117.9	100.5	88.9	79.2	71.5	65.7	59.9
77.5°	162.3	131.4	112.1	94.7	85.0	75.4	67.6	58.0	52.2	46.4	38.7
80°	100.5	87.0	73.4	67.6	58.0	48.3	42.5	38.7	30.9	29.0	25.1
82.5°	65.7	52.2	46.4	38.7	30.9	29.0	25.1	19.3	17.4	15.5	13.5
85°	29.0	25.1	21.3	17.4	13.5	11.6	9.7	7.7	7.7	7.7	7.7
87.5°	9.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9
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-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6508.8	6543.5	6576.4	6566.7	6531.9	6477.8	6462.4	6441.1	6456.6	6489.4	6503.0
5°	6555.1	6535.8	6605.4	6707.8	6874.0	6889.5	7005.4	7032.5	7125.2	7183.2	7181.3
7.5°	6620.8	6895.3	7009.3	7133.0	7189.0	7175.5	7192.9	7179.3	7158.1	7148.4	7136.8
10°	6955.2	7163.9	7206.4	7206.4	7119.4	7001.5	6951.3	6864.3	6690.4	6694.3	6665.3
12.5°	7150.4	7223.8	7123.3	7038.3	6688.5	6553.2	6406.3	6336.8	6296.2	6234.3	6257.5
15°	7047.9	6943.6	6883.7	6609.2	6394.7	6151.2	6155.1	6112.6	6068.1	6072.0	6043.0
17.5°	6897.2	6814.1	6388.9	6199.6	6095.2	6000.5	5983.1	5927.1	5898.1	5888.4	5886.5
20°	6690.4	6390.9	6073.9	6027.6	5901.9	5793.7	5776.3	5793.7	5882.6	5724.1	5186.9
22.5°	6448.8	6017.9	5925.1	5793.7	5708.7	5666.2	5772.5	5289.3	4558.8	4647.7	4553.0
25°	6039.2	5851.7	5693.2	5592.7	5583.1	5322.2	4435.2	4342.4	3872.8	3621.6	3339.4
27.5°	5739.6	5658.4	5492.2	5474.9	5349.2	4352.1	3890.2	3380.0	3192.5	3163.5	3101.7
30°	5558.0	5442.0	5341.5	4902.8	4269.0	3503.7	3121.0	3049.5	3016.7	2981.9	2927.8
32.5°	5339.6	5229.4	5277.7	4122.1	3403.2	3016.7	2939.4	2887.2	2827.3	2804.1	2608.9
35°	5117.3	5067.1	4124.0	3465.0	2925.8	2833.1	2775.1	2721.0	2164.4	523.7	177.8
37.5°	4879.6	4868.0	3706.6	2875.6	2740.3	2653.4	2489.1	514.1	121.7	83.1	61.8
40°	4694.1	3708.5	2929.7	2695.9	2585.7	2448.5	344.0	85.0	54.1	32.9	21.3
42.5°	4570.4	3335.5	2622.4	2529.7	2290.0	253.2	87.0	36.7	21.3	17.4	13.5
45°	3523.0	2634.0	2450.4	2353.8	289.9	87.0	50.2	17.4	13.5	11.6	7.7
47.5°	3250.5	2392.5	2284.2	514.1	96.6	46.4	34.8	11.6	7.7	7.7	7.7
50°	2462.0	2210.8	1818.5	125.6	61.8	32.9	25.1	7.7	7.7	7.7	5.8
52.5°	2158.6	2040.7	195.2	83.1	48.3	25.1	15.5	5.8	5.8	5.8	5.8
55°	1973.1	1294.8	116.0	63.8	40.6	23.2	9.7	5.8	5.8	5.8	3.9
57.5°	1805.0	173.9	85.0	54.1	36.7	21.3	5.8	5.8	5.8	5.8	3.9
60°	1530.6	125.6	69.6	48.3	34.8	19.3	5.8	5.8	5.8	5.8	5.8
62.5°	199.1	98.6	59.9	42.5	25.1	15.5	3.9	5.8	5.8	5.8	5.8
65°	144.9	77.3	54.1	29.0	15.5	5.8	3.9	5.8	5.8	5.8	5.8
67.5°	112.1	63.8	40.6	25.1	13.5	3.9	3.9	5.8	5.8	5.8	5.8
70°	88.9	54.1	32.9	21.3	11.6	3.9	3.9	5.8	5.8	5.8	5.8
72.5°	69.6	38.7	23.2	11.6	7.7	3.9	3.9	5.8	5.8	5.8	5.8
75°	52.2	30.9	17.4	9.7	3.9	3.9	3.9	5.8	5.8	5.8	5.8
77.5°	34.8	19.3	13.5	7.7	7.7	7.7	9.7	9.7	5.8	5.8	5.8
80°	23.2	13.5	9.7	9.7	9.7	7.7	9.7	9.7	5.8	9.7	5.8
82.5°	11.6	9.7	9.7	7.7	7.7	5.8	7.7	7.7	7.7	7.7	5.8
85°	7.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7	5.8
87.5°	3.9	3.9	3.9	3.9	5.8	5.8	5.8	5.8	7.7	7.7	5.8
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-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6485.6	6491.4	6475.9	6559.0	6516.5	6520.4	6537.7	6493.3	6503.0	6472.0	6450.8
5°	7189.0	7200.6	7212.2	7216.1	7223.8	7233.5	7221.9	7216.1	7204.5	7165.8	7125.2
7.5°	7078.9	7065.3	7059.5	7067.3	7080.8	7086.6	7076.9	7090.4	7140.7	7161.9	7175.5
10°	6499.1	6437.3	6479.8	6474.0	6425.7	6588.0	6543.5	6568.7	6586.1	6763.8	6872.1
12.5°	6222.7	6261.4	6188.0	6151.2	6199.6	6232.4	6265.3	6195.7	6292.3	6247.9	6390.9
15°	5990.8	5967.6	5959.9	5961.8	5952.2	5998.6	6010.2	6025.6	6039.2	6099.1	6122.2
17.5°	5886.5	5925.1	5940.6	5952.2	5932.9	5911.6	5890.3	5859.4	5869.1	5853.6	5898.1
20°	4825.5	4696.0	4688.3	4763.7	4680.6	4727.0	4839.1	5588.9	5563.7	5855.6	5757.0
22.5°	4027.4	3905.6	3801.3	3710.5	3839.9	3894.0	4102.8	4338.5	4721.2	4661.3	5076.8
25°	3289.2	3244.7	3217.7	3204.1	3213.8	3209.9	3256.3	3366.5	3540.4	3950.1	4479.6
27.5°	3076.6	3055.3	3045.7	3014.7	3037.9	3030.2	3066.9	3090.1	3142.3	3182.9	3354.9
30°	2908.5	2883.3	2865.9	2833.1	2856.3	2858.2	2869.8	2929.7	2951.0	2985.8	3039.9
32.5°	1062.9	626.1	587.5	558.5	610.7	796.2	1397.2	2442.7	2786.7	2813.8	2875.6
35°	104.4	87.0	77.3	77.3	79.2	87.0	116.0	305.3	558.5	2158.6	2701.7
37.5°	40.6	34.8	29.0	27.1	29.0	32.9	44.4	58.0	79.2	164.3	732.4
40°	17.4	15.5	13.5	13.5	13.5	13.5	15.5	19.3	29.0	54.1	85.0
42.5°	11.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	13.5	17.4	34.8
45°	7.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	9.7	15.5
47.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7
50°	5.8	5.8	5.8	5.8	3.9	5.8	3.9	5.8	5.8	5.8	5.8
52.5°	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8
55°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8
57.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
60°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
62.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	3.9
65°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	3.9
67.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
70°	5.8	5.8	3.9	5.8	3.9	3.9	5.8	5.8	5.8	3.9	3.9
72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	11.6	11.6	7.7
75°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	9.7	11.6	9.7
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	9.7	9.7	9.7
80°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7	7.7
82.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7	7.7
85°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
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-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6414.1	6412.1	6452.7	6483.6	6472.0	6483.6	6497.2	6499.1	6503.0	6487.5	6481.7
5°	7047.9	6988.0	6872.1	6789.0	6692.3	6516.5	6429.5	6439.2	6441.1	6435.3	6443.0
7.5°	7169.7	7163.9	7123.3	7105.9	7040.2	6914.6	6713.6	6678.8	6593.8	6539.7	6495.2
10°	6864.3	7003.5	7040.2	7102.0	7140.7	7117.5	6947.4	6922.3	6868.2	6806.4	6819.9
12.5°	6533.9	6647.9	6653.7	6990.0	7065.3	7073.1	7007.3	7042.1	7049.9	6910.7	6829.6
15°	6128.0	6182.2	6296.2	6609.2	6837.3	6980.3	7022.8	7042.1	6947.4	6941.6	6908.8
17.5°	5950.3	5985.0	6037.2	6213.1	6559.0	6769.6	6949.4	6935.8	6972.6	6945.5	6862.4
20°	5726.1	5755.1	5847.8	5936.7	6106.8	6387.0	6723.3	6748.4	6796.7	6790.9	6814.1
22.5°	5722.2	5619.8	5635.3	5704.8	5882.6	6133.8	6491.4	6574.5	6605.4	6626.6	6651.8
25°	4539.5	5353.1	5501.9	5546.4	5662.3	5809.2	6230.5	6261.4	6319.4	6414.1	6483.6
27.5°	3932.7	4485.4	5080.6	5389.8	5463.3	5585.0	5836.2	5882.6	6079.7	6102.9	6211.1
30°	3103.6	3530.7	4419.7	5163.7	5285.5	5370.5	5548.3	5641.0	5726.1	5818.8	5932.9
32.5°	2920.1	2987.7	3480.5	4272.8	5219.8	5156.0	5287.4	5343.4	5436.2	5517.4	5600.5
35°	2751.9	2798.3	2902.7	3499.8	4251.6	4980.1	5069.0	5105.7	5157.9	5219.8	5279.7
37.5°	2576.1	2645.6	2717.1	2877.5	3932.7	4841.0	4839.1	4881.6	4912.5	4964.7	5014.9
40°	467.7	2429.2	2545.1	2649.5	3049.5	3861.2	4622.6	4641.9	4663.2	4696.0	4748.2
42.5°	75.4	405.8	2384.7	2485.2	2599.3	3457.3	4524.0	4444.8	4431.3	4454.5	4500.9
45°	38.7	98.6	479.3	2321.0	2423.4	2757.7	3698.9	4307.6	4294.1	4249.6	4259.3
47.5°	29.0	61.8	117.9	802.0	2268.8	2367.3	3412.8	3376.1	3633.2	4125.9	4050.6
50°	25.1	42.5	69.6	164.3	2004.0	2179.9	2628.2	3070.8	3206.1	3223.5	3814.8
52.5°	23.2	29.0	50.2	106.3	421.3	2015.6	2137.4	2292.0	2520.0	3008.9	2997.4
55°	21.3	27.1	42.5	71.5	146.9	1816.6	1942.2	1971.2	2019.5	2253.3	2562.5
57.5°	11.6	25.1	40.6	61.8	110.2	332.4	1762.5	1785.7	1824.3	1834.0	1944.1
60°	5.8	23.2	36.7	54.1	81.2	154.6	1584.7	1611.7	1634.9	1638.8	1673.6
62.5°	3.9	21.3	30.9	50.2	67.6	110.2	374.9	765.3	1455.2	1455.2	1495.8
65°	3.9	15.5	19.3	32.9	61.8	90.8	158.5	183.6	357.5	879.3	1312.2
67.5°	3.9	5.8	17.4	27.1	46.4	69.6	116.0	135.3	162.3	185.5	344.0
70°	3.9	3.9	15.5	17.4	29.0	52.2	83.1	94.7	110.2	125.6	144.9
72.5°	3.9	3.9	13.5	13.5	19.3	34.8	63.8	69.6	79.2	88.9	102.4
75°	9.7	7.7	11.6	11.6	13.5	27.1	48.3	54.1	58.0	65.7	75.4
77.5°	9.7	9.7	9.7	9.7	9.7	17.4	30.9	34.8	40.6	44.4	52.2
80°	7.7	7.7	7.7	9.7	9.7	11.6	19.3	21.3	23.2	29.0	30.9
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	11.6	13.5	17.4
85°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7	7.7	7.7
87.5°	5.8	5.8	5.8	3.9	3.9	5.8	5.8	5.8	5.8	5.8	5.8
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-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6479.8	6468.2	6458.5	6464.3	6446.9	6439.2	6445.0	6446.9	6450.8	6460.4	6462.4
5°	6462.4	6458.5	6475.9	6485.6	6481.7	6485.6	6485.6	6477.8	6466.2	6474.0	6456.6
7.5°	6450.8	6425.7	6406.3	6410.2	6390.9	6414.1	6435.3	6466.2	6475.9	6475.9	6456.6
10°	6649.8	6622.8	6514.6	6441.1	6392.8	6350.3	6450.8	6348.4	6396.7	6213.1	6423.7
12.5°	6814.1	6850.8	6802.5	6601.5	6566.7	6439.2	6512.6	6387.0	6350.3	6139.6	6207.3
15°	6879.8	6810.2	6794.8	6738.7	6663.4	6626.6	6429.5	6408.3	6348.4	6371.5	6282.6
17.5°	6821.8	6856.6	6810.2	6773.5	6696.2	6609.2	6491.4	6387.0	6303.9	6118.4	6274.9
20°	6765.8	6812.2	6673.0	6696.2	6703.9	6603.4	6541.6	6454.6	6350.3	6176.4	6041.1
22.5°	6673.0	6640.2	6651.8	6617.0	6588.0	6601.5	6516.5	6456.6	6280.7	6201.5	6017.9
25°	6522.3	6510.7	6541.6	6537.7	6468.2	6445.0	6402.5	6338.7	6269.1	6141.6	5990.8
27.5°	6276.9	6336.8	6390.9	6416.0	6379.3	6317.4	6294.2	6257.5	6209.2	6079.7	5967.6
30°	6017.9	6085.5	6147.4	6201.5	6234.3	6207.3	6186.0	6164.8	6091.3	6006.3	5880.7
32.5°	5722.2	5811.1	5896.1	5961.8	6033.4	6054.6	6039.2	6021.8	5959.9	5882.6	5782.1
35°	5380.2	5501.9	5625.6	5743.5	5774.4	5824.6	5874.9	5845.9	5813.0	5735.7	5643.0
37.5°	5090.3	5177.2	5266.1	5414.9	5523.2	5586.9	5675.8	5687.4	5631.4	5594.7	5472.9
40°	4790.7	4870.0	4999.5	5086.4	5235.2	5308.7	5403.3	5445.9	5432.3	5411.1	5304.8
42.5°	4555.0	4593.6	4678.7	4756.0	4902.8	5053.6	5136.7	5183.0	5231.4	5214.0	5159.9
45°	4303.7	4338.5	4367.5	4435.2	4578.2	4711.5	4813.9	4883.5	4970.5	5011.0	4945.3
47.5°	4054.4	4064.1	4098.9	4154.9	4240.0	4342.4	4514.4	4618.7	4699.9	4779.1	4736.6
50°	3863.1	3828.3	3834.1	3868.9	3938.5	4039.0	4162.7	4309.5	4402.3	4498.9	4508.6
52.5°	3376.1	3658.3	3590.6	3610.0	3646.7	3695.0	3824.5	3969.4	4083.4	4166.5	4249.6
55°	2833.1	2889.1	3432.2	3354.9	3378.1	3420.6	3480.5	3625.4	3735.6	3851.5	3967.5
57.5°	2197.3	2614.7	2636.0	3138.4	3126.8	3130.7	3180.9	3264.0	3374.2	3519.1	3617.7
60°	1708.4	1884.2	2226.3	2400.2	2840.8	2856.3	2885.3	2933.6	3028.3	3165.5	3322.0
62.5°	1507.4	1530.6	1652.3	1913.2	2199.2	2545.1	2607.0	2614.7	2657.2	2794.4	2976.1
65°	1323.8	1339.2	1376.0	1403.0	1642.6	1977.0	2274.6	2322.9	2350.0	2431.1	2585.7
67.5°	912.2	1153.7	1186.6	1205.9	1229.1	1383.7	1752.8	1998.2	2029.2	2100.7	2235.9
70°	175.9	365.2	999.1	1020.4	1032.0	1066.8	1126.7	1517.0	1721.9	1789.5	1851.4
72.5°	119.8	141.1	170.1	402.0	850.3	869.6	883.2	933.4	1279.3	1476.5	1509.3
75°	87.0	96.6	114.0	141.1	173.9	566.2	701.5	726.6	751.8	1037.8	1204.0
77.5°	61.8	69.6	77.3	90.8	106.3	137.2	197.1	543.0	568.2	581.7	821.3
80°	34.8	42.5	52.2	59.9	67.6	77.3	100.5	125.6	280.2	409.7	431.0
82.5°	19.3	23.2	27.1	32.9	36.7	46.4	56.0	67.6	88.9	131.4	278.3
85°	9.7	9.7	9.7	13.5	15.5	21.3	25.1	29.0	40.6	56.0	77.3
87.5°	5.8	5.8	7.7	7.7	7.7	9.7	9.7	9.7	11.6	17.4	25.1
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-LD5-101SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	6439.2	6439.2	6439.2	6439.2	6439.2
2.5°	6464.3	6458.5	6458.5	6481.7	6475.9
5°	6452.7	6446.9	6445.0	6470.1	6458.5
7.5°	6443.0	6421.8	6416.0	6439.2	6429.5
10°	6404.4	6388.9	6398.6	6390.9	6387.0
12.5°	6338.7	6329.0	6288.4	6292.3	6325.2
15°	6220.8	6259.5	6189.9	6251.7	6265.3
17.5°	6004.4	6091.3	6159.0	6195.7	6201.5
20°	6101.0	6130.0	6095.2	6097.1	6120.3
22.5°	5975.4	5988.9	5998.6	5987.0	6037.2
25°	5774.4	5722.2	5834.3	5857.5	5938.7
27.5°	5712.6	5670.0	5722.2	5718.4	5786.0
30°	5662.3	5525.1	5548.3	5585.0	5668.1
32.5°	5590.8	5374.4	5351.2	5432.3	5525.1
35°	5465.2	5260.3	5206.2	5258.4	5397.6
37.5°	5358.9	5101.9	4993.7	5063.2	5244.9
40°	5200.4	4978.2	4810.1	4871.9	5086.4
42.5°	5011.0	4871.9	4612.9	4655.5	4900.9
45°	4819.7	4696.0	4421.6	4442.9	4734.7
47.5°	4624.5	4510.5	4222.6	4226.4	4522.1
50°	4433.2	4282.5	4044.8	3977.1	4296.0
52.5°	4183.9	4044.8	3865.1	3754.9	4081.5
55°	3948.2	3791.6	3660.2	3490.1	3838.0
57.5°	3718.2	3544.3	3455.4	3237.0	3561.6
60°	3403.2	3320.1	3188.7	2980.0	3312.4
62.5°	3080.4	3053.4	2920.1	2703.6	3005.1
65°	2703.6	2767.4	2630.2	2444.6	2686.2
67.5°	2348.0	2462.0	2311.3	2197.3	2378.9
70°	1969.2	2100.7	2015.6	1975.0	2052.3
72.5°	1596.3	1723.8	1731.5	1702.6	1727.7
75°	1233.0	1374.0	1451.3	1406.9	1412.7
77.5°	935.3	1003.0	1088.0	1122.8	1115.1
80°	577.8	695.7	765.3	836.8	811.7
82.5°	291.8	390.4	475.4	552.7	516.0
85°	121.7	156.5	218.4	287.9	276.4
87.5°	36.7	61.8	65.7	92.8	87.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)