

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-LD5-95SL-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-LD5-95SL-RM-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

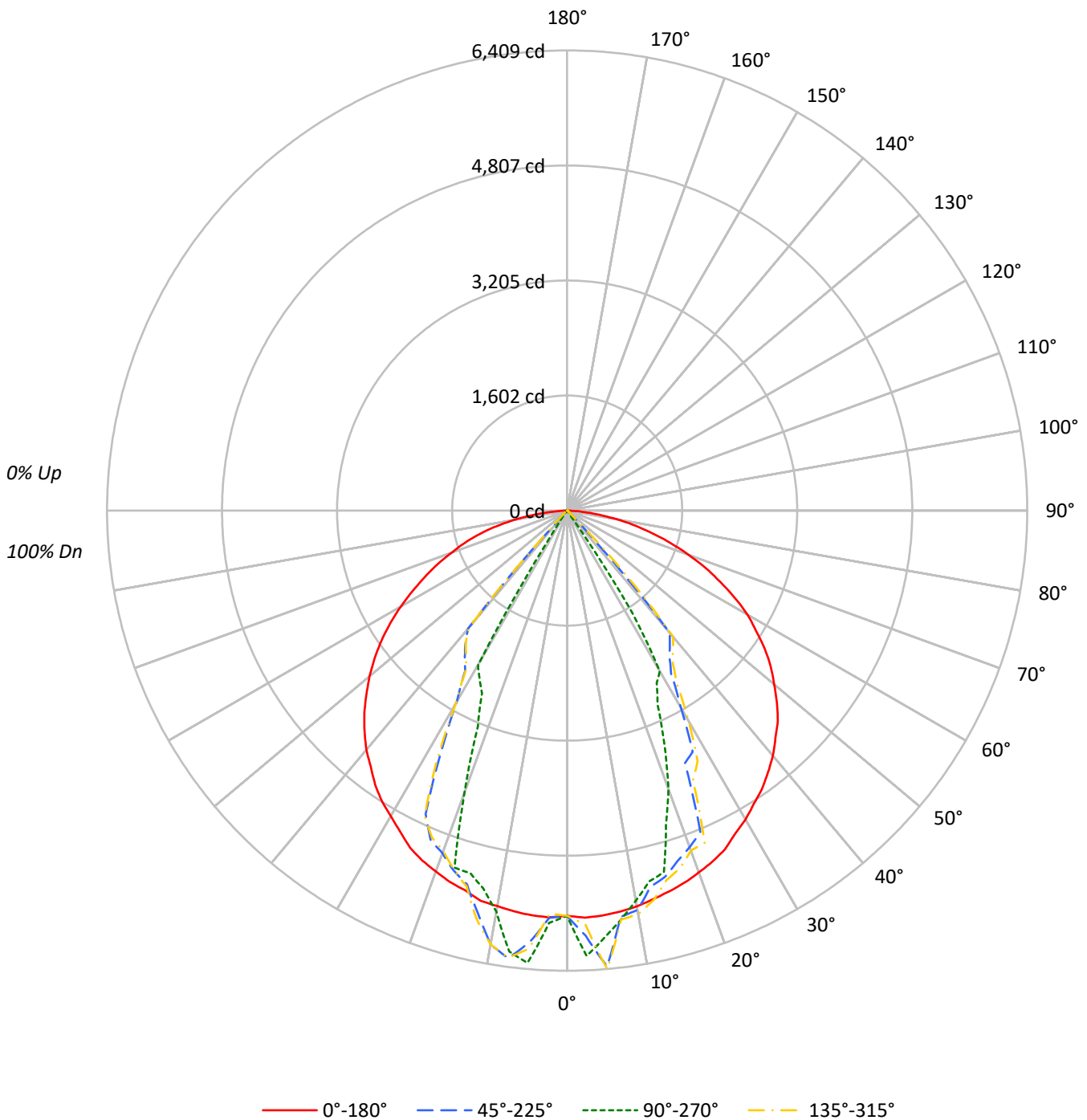
Lumens per Lamp: N/A  
Luminaire Lumens: 8024.1 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 69  
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



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CATALOG NUMBER: 8SNLED-LD5-95SL-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°	22801	22801	22801	22801
5°	22925	23450	22918	24834
10°	22902	21220	22888	21833
15°	22872	19807	22815	19858
20°	22932	15601	22867	15793
25°	23034	11290	22922	10654
30°	22968	9903	22725	9520
35°	23079	218	22741	264
40°	23207	48	22652	48
45°	23345	28	22468	21
50°	23233	22	22167	22
55°	23177	16	21753	16
60°	22839	17	21054	17
65°	21777	27	20226	18
70°	20373	30	19395	30
75°	18262	33	18561	33
80°	15204	38	16073	38
85°	9527	45	9727	45



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	566.2	7.1
10°-20°	1544.3	19.2
20°-30°	1965.1	24.5
30°-40°	1660.0	20.7
40°-50°	1085.2	13.5
50°-60°	683.8	8.5
60°-70°	364.0	4.5
70°-80°	132.7	1.7
80°-90°	22.8	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°	4075.5	50.8
0°-40°	5735.4	71.5
0°-60°	7504.5	93.5
0°-90°	8024.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8024.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5643	5643	5643	5643	5643	
5°	5660	5972	5658	6324	5660	538
15°	5491	5211	5477	5225	5491	1552
25°	5204	2976	5179	2808	5204	2393
35°	4730	56	4661	68	4730	2959
45°	4149	7	3994	5	4149	3191
55°	3364	3	3157	3	3364	2997
65°	2354	5	2186	3	2354	2331
75°	1238	5	1258	5	1238	1314
85°	242	5	247	5	242	306
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5675.3	5678.6	5680.3	5683.7	5688.8	5690.5	5693.9	5690.5	5690.5	5690.5	5690.5
5°	5660.0	5666.8	5671.9	5678.6	5690.5	5692.2	5705.7	5707.4	5714.2	5727.8	5737.9
7.5°	5634.6	5641.4	5651.5	5668.5	5685.4	5704.0	5727.8	5753.2	5788.7	5822.6	5864.9
10°	5597.3	5605.8	5617.7	5632.9	5715.9	5727.8	5780.3	5853.1	5873.4	5980.1	6059.7
12.5°	5543.2	5571.9	5602.4	5616.0	5695.6	5820.9	5997.0	5961.5	5922.5	6271.4	6266.3
15°	5490.7	5529.6	5514.4	5624.4	5697.3	5915.7	5841.2	6000.4	6291.7	6220.6	6224.0
17.5°	5434.8	5443.2	5527.9	5619.4	5749.8	5861.6	5953.0	6171.5	6229.1	6234.1	6171.5
20°	5363.6	5404.3	5527.9	5610.9	5831.1	5883.6	6081.7	6193.5	6169.8	6112.2	6005.5
22.5°	5290.8	5414.4	5539.8	5656.6	5810.7	5951.3	6049.5	6102.0	5978.4	5751.5	5629.5
25°	5204.4	5277.3	5441.5	5612.6	5805.7	5887.0	5944.5	5859.9	5699.0	5495.7	5290.8
27.5°	5070.6	5187.5	5397.5	5590.6	5765.0	5863.2	5770.1	5566.9	5307.7	5173.9	5080.8
30°	4967.3	5119.8	5292.5	5478.8	5660.0	5717.6	5480.5	5248.5	5070.6	4936.8	4916.5
32.5°	4842.0	5058.8	5223.1	5400.9	5553.3	5477.1	5246.8	4947.0	4799.7	4748.9	4769.2
35°	4730.2	4894.5	5109.6	5284.0	5394.1	5223.1	4858.9	4672.6	4601.5	4630.3	4593.0
37.5°	4596.4	4813.2	5011.4	5162.1	5124.8	4867.4	4559.2	4440.6	4449.1	4425.4	4354.2
40°	4457.6	4664.2	4870.8	5013.1	4882.7	4489.7	4284.8	4259.4	4264.5	4188.3	4086.7
42.5°	4295.0	4483.0	4689.6	4818.3	4537.2	4230.6	4091.7	4095.1	4051.1	3944.4	3890.2
45°	4149.3	4322.1	4537.2	4549.0	4203.5	3947.8	3907.1	3863.1	3764.9	3729.3	3688.7
47.5°	3963.0	4154.4	4332.2	4267.9	3876.7	3717.5	3687.0	3590.4	3541.3	3514.2	3480.3
50°	3764.9	3957.9	4120.5	3937.6	3568.4	3531.2	3431.2	3355.0	3321.2	3292.4	3261.9
52.5°	3576.9	3736.1	3902.1	3587.0	3331.3	3295.7	3182.3	3138.2	3104.4	3072.2	3065.4
55°	3363.5	3504.1	3617.5	3253.4	3104.4	3021.4	2940.1	2909.6	2877.4	2862.2	2887.6
57.5°	3121.3	3280.5	3263.6	2924.8	2858.8	2738.6	2708.1	2687.7	2664.0	2674.2	2462.5
60°	2902.8	3024.8	2941.8	2684.4	2572.6	2491.3	2464.2	2450.6	2464.2	2257.6	1984.9
62.5°	2633.5	2770.7	2603.1	2403.2	2284.7	2245.7	2222.0	2240.6	2042.5	1815.5	1749.5
65°	2354.1	2503.1	2255.9	2101.8	2027.2	1993.4	1991.7	1834.2	1639.4	1551.3	1551.3
67.5°	2084.8	2238.9	1920.5	1791.8	1763.0	1766.4	1668.2	1429.4	1375.2	1315.9	1144.9
70°	1798.6	1934.1	1586.9	1509.0	1492.1	1480.2	1241.4	1177.1	1112.7	955.2	941.6
72.5°	1514.1	1580.1	1275.3	1256.7	1253.3	1041.6	994.1	884.1	809.5	790.9	782.4
75°	1238.0	1217.7	1007.7	1024.6	863.7	789.2	713.0	648.6	638.5	631.7	157.5
77.5°	977.2	875.6	794.3	691.0	618.2	525.0	509.8	499.6	328.6	118.6	96.5
80°	711.3	567.4	528.4	448.8	382.8	367.5	376.0	115.2	91.5	76.2	66.1
82.5°	452.2	362.4	296.4	259.1	252.3	110.1	81.3	66.1	57.6	49.1	40.6
85°	242.2	160.9	149.0	125.3	74.5	50.8	42.3	32.2	27.1	22.0	20.3
87.5°	76.2	64.4	52.5	42.3	25.4	16.9	13.5	11.9	10.2	8.5	8.5
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°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5687.1	5690.5	5688.8	5693.9	5693.9	5700.7	5705.7	5710.8	5721.0	5726.1	5765.0
5°	5759.9	5768.4	5793.8	5817.5	5846.3	5854.8	5903.9	5915.7	5973.3	5980.1	6169.8
7.5°	5922.5	5954.7	6015.7	6076.6	6137.6	6176.6	6244.3	6286.6	6332.4	6373.0	6523.7
10°	6119.0	6173.2	6232.4	6293.4	6329.0	6403.5	6444.2	6450.9	6439.1	6373.0	6129.1
12.5°	6312.0	6366.2	6340.8	6352.7	6395.0	6262.9	6281.6	6186.7	6252.8	5925.9	5683.7
15°	6285.0	6281.6	6218.9	6015.7	6049.5	5797.2	5695.6	5617.7	5680.3	5646.5	5609.2
17.5°	6203.7	6049.5	5941.2	5697.3	5594.0	5522.8	5524.5	5526.2	5495.7	5527.9	5433.1
20°	5859.9	5687.1	5526.2	5439.8	5409.4	5358.6	5384.0	5358.6	5360.2	5370.4	5224.8
22.5°	5402.6	5350.1	5256.9	5284.0	5273.9	5319.6	5285.7	5233.2	5250.2	5173.9	5063.9
25°	5218.0	5157.0	5153.6	5163.8	5148.5	5128.2	5097.7	5018.1	5013.1	4989.3	4938.5
27.5°	5031.7	5035.1	5045.2	5014.8	4960.6	4919.9	4874.2	4835.2	4850.5	4823.4	4753.9
30°	4903.0	4901.3	4840.3	4813.2	4713.3	4715.0	4703.1	4679.4	4664.2	4665.9	4621.8
32.5°	4720.1	4667.6	4598.1	4564.3	4555.8	4525.3	4501.6	4506.7	4518.5	4476.2	4521.9
35°	4532.1	4423.7	4413.5	4384.7	4357.6	4337.3	4345.8	4311.9	4310.2	4305.1	3932.5
37.5°	4279.7	4227.2	4222.1	4191.7	4173.0	4168.0	4135.8	4140.9	4156.1	4183.2	3353.3
40°	4071.4	4024.0	4012.1	4010.4	3969.8	3966.4	3974.9	4007.1	4029.1	3859.7	3195.8
42.5°	3847.9	3851.2	3814.0	3790.3	3795.4	3810.6	3851.2	3739.5	3239.9	3087.4	2921.5
45°	3656.5	3639.5	3619.2	3612.4	3656.5	3626.0	3178.9	2933.3	2874.0	2867.3	2401.5
47.5°	3456.6	3451.6	3443.1	3448.2	3197.5	2850.3	2748.7	2716.5	2726.7	2719.9	2062.8
50°	3255.1	3261.9	3261.9	2848.6	2614.9	2557.3	2565.8	2594.6	2415.1	2254.2	1922.2
52.5°	3080.7	3028.2	2594.6	2445.6	2393.1	2418.5	2357.5	2132.2	1969.7	1874.8	1778.3
55°	2757.2	2371.0	2274.5	2250.8	2269.4	2044.2	1905.3	1759.7	1717.3	1707.1	1651.3
57.5°	2169.5	2091.6	2100.1	2005.2	1790.1	1663.1	1607.2	1586.9	1568.3	1554.7	135.5
60°	1918.8	1940.9	1776.6	1573.4	1487.0	1470.0	1456.5	1437.9	1434.5	1410.8	86.4
62.5°	1756.3	1544.6	1402.3	1351.5	1331.2	1326.1	1300.7	1292.2	1097.5	150.7	64.4
65°	1324.4	1238.0	1210.9	1199.1	1177.1	1177.1	977.2	154.1	125.3	108.4	57.6
67.5°	1080.5	1073.7	1060.2	1045.0	711.3	149.0	130.4	113.5	98.2	86.4	50.8
70°	914.5	911.2	829.9	152.4	127.0	111.8	98.2	88.1	81.3	72.8	45.7
72.5°	750.3	152.4	128.7	111.8	96.5	88.1	79.6	71.1	64.4	59.3	37.3
75°	116.9	103.3	91.5	83.0	76.2	67.7	61.0	55.9	54.2	47.4	25.4
77.5°	84.7	72.8	66.1	59.3	52.5	47.4	40.6	35.6	32.2	27.1	18.6
80°	59.3	52.5	47.4	39.0	33.9	28.8	25.4	22.0	20.3	16.9	8.5
82.5°	33.9	28.8	25.4	20.3	18.6	15.2	13.5	11.9	11.9	8.5	8.5
85°	15.2	15.2	11.9	10.2	8.5	8.5	8.5	6.8	6.8	5.1	5.1
87.5°	6.8	6.8	6.8	6.8	6.8	5.1	5.1	5.1	5.1	5.1	3.4
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°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5819.2	5841.2	5883.6	5927.6	5878.5	6054.6	6041.1	6100.3	6132.5	6147.8	6183.3
5°	6337.5	6435.7	6467.9	6371.3	6315.4	6257.9	6127.4	6029.2	6041.1	6008.9	5892.0
7.5°	6327.3	6117.3	5834.5	5705.7	5695.6	5680.3	5721.0	5744.7	5748.1	5746.4	5743.0
10°	5792.1	5683.7	5665.1	5648.2	5654.9	5592.3	5563.5	5482.2	5526.2	5502.5	5511.0
12.5°	5629.5	5604.1	5504.2	5365.3	5448.3	5385.6	5350.1	5373.8	5346.7	5321.3	5312.8
15°	5533.0	5368.7	5312.8	5279.0	5255.2	5241.7	5253.5	5226.5	5218.0	5212.9	5224.8
17.5°	5333.1	5267.1	5206.1	5116.4	5118.1	5113.0	5146.9	5197.7	5201.0	4940.2	4704.8
20°	5175.6	5121.4	5043.5	4987.7	5063.9	4928.4	4405.1	4156.1	4117.1	4117.1	4123.9
22.5°	5050.3	4930.1	4935.2	4847.1	4134.1	3988.4	3991.8	4007.1	3937.6	3700.5	3675.1
25°	4879.3	4860.6	4489.7	3880.0	3885.1	3771.6	3597.2	3351.6	3085.7	3085.7	3041.7
27.5°	4750.5	4355.9	3814.0	3788.6	3407.5	3167.0	3018.0	2792.7	2762.3	2733.5	2736.9
30°	4640.5	3685.3	3698.8	3167.0	2885.9	2686.1	2674.2	2636.9	2618.3	2613.2	2594.6
32.5°	3668.3	3588.7	3095.9	2696.2	2586.1	2553.9	2538.7	2496.4	2494.7	2462.5	2238.9
35°	3439.7	3150.1	2591.2	2482.8	2450.6	2420.2	2394.8	1607.2	189.7	76.2	66.1
37.5°	3178.9	2631.9	2396.4	2347.3	2316.8	1712.2	171.1	59.3	42.3	30.5	27.1
40°	2694.5	2350.7	2276.2	2222.0	916.2	59.3	37.3	28.8	16.9	15.2	13.5
42.5°	2272.8	2215.2	2135.6	650.3	67.7	28.8	18.6	13.5	11.9	11.9	10.2
45°	2127.2	2076.4	860.3	64.4	42.3	13.5	11.9	11.9	10.2	6.8	6.8
47.5°	1991.7	1752.9	77.9	40.6	27.1	11.9	10.2	6.8	6.8	6.8	5.1
50°	1847.7	96.5	54.2	30.5	16.9	6.8	6.8	6.8	6.8	5.1	5.1
52.5°	345.5	67.7	44.0	27.1	8.5	6.8	6.8	6.8	5.1	5.1	5.1
55°	81.3	54.2	40.6	23.7	6.8	6.8	6.8	5.1	5.1	5.1	3.4
57.5°	61.0	40.6	32.2	22.0	6.8	5.1	5.1	5.1	5.1	5.1	3.4
60°	50.8	28.8	25.4	20.3	5.1	5.1	5.1	5.1	5.1	5.1	3.4
62.5°	35.6	23.7	18.6	15.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1
65°	28.8	18.6	15.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	25.4	15.2	10.2	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1
70°	20.3	5.1	5.1	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1
72.5°	16.9	5.1	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1
75°	16.9	8.5	3.4	3.4	5.1	5.1	6.8	6.8	5.1	5.1	5.1
77.5°	11.9	8.5	3.4	3.4	5.1	5.1	6.8	6.8	5.1	5.1	5.1
80°	6.8	8.5	3.4	5.1	5.1	10.2	11.9	6.8	5.1	5.1	5.1
82.5°	6.8	8.5	10.2	10.2	5.1	8.5	10.2	8.5	6.8	5.1	5.1
85°	6.8	5.1	6.8	8.5	5.1	8.5	8.5	6.8	6.8	5.1	5.1
87.5°	3.4	5.1	5.1	6.8	6.8	6.8	8.5	6.8	6.8	6.8	5.1
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	6200.3	6207.0	6100.3	6063.1	6095.3	6088.5	6059.7	5953.0	5941.2	5870.0	5766.7
5°	5925.9	5971.6	5915.7	6012.3	5966.6	6012.3	6151.2	6215.5	6320.5	6384.9	6408.6
7.5°	5734.5	5744.7	5744.7	5753.2	5761.6	5763.3	5753.2	5746.4	5717.6	5682.0	5746.4
10°	5502.5	5514.4	5534.7	5531.3	5529.6	5565.2	5573.6	5646.5	5643.1	5656.6	5705.7
12.5°	5382.3	5290.8	5373.8	5351.8	5382.3	5334.8	5422.9	5407.7	5412.7	5453.4	5558.4
15°	5182.4	5211.2	5231.5	5231.5	5243.4	5233.2	5223.1	5292.5	5334.8	5336.5	5329.8
17.5°	4798.0	4579.5	4803.1	4745.5	5204.4	5216.3	5177.3	5145.2	5145.2	5170.6	5224.8
20°	4118.8	4123.9	4125.6	4147.6	4174.7	4173.0	4174.7	4842.0	5158.7	5085.9	5036.8
22.5°	3610.8	3548.1	3665.0	3656.5	3802.1	3963.0	4117.1	4101.9	4112.1	4582.9	5006.3
25°	2894.4	2975.7	2909.6	2938.4	3102.7	3294.1	3412.6	3722.5	4059.6	4035.9	4145.9
27.5°	2725.0	2703.0	2733.5	2733.5	2755.5	2780.9	2846.9	3021.4	3321.2	3636.2	3934.2
30°	2564.1	2582.7	2586.1	2616.6	2633.5	2650.5	2660.6	2726.7	2794.4	3012.9	3380.4
32.5°	1925.6	1688.5	2222.0	2366.0	2487.9	2516.7	2537.0	2564.1	2613.2	2645.4	2830.0
35°	55.9	55.9	59.3	67.7	86.4	582.6	2218.6	2445.6	2477.7	2518.4	2552.3
37.5°	27.1	20.3	23.7	25.4	30.5	42.3	61.0	189.7	2111.9	2388.0	2425.2
40°	11.9	11.9	11.9	11.9	13.5	16.9	25.4	42.3	64.4	1698.7	2291.4
42.5°	10.2	10.2	10.2	10.2	10.2	10.2	11.9	15.2	30.5	72.8	1202.5
45°	6.8	6.8	5.1	6.8	6.8	8.5	10.2	10.2	13.5	45.7	83.0
47.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	8.5	10.2	30.5	44.0
50°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	23.7	30.5
52.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	10.2	27.1
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1	6.8	23.7
57.5°	3.4	3.4	3.4	3.4	3.4	5.1	3.4	3.4	5.1	5.1	22.0
60°	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	20.3
62.5°	5.1	5.1	3.4	5.1	3.4	3.4	5.1	5.1	5.1	5.1	13.5
65°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	3.4	5.1
67.5°	5.1	5.1	5.1	5.1	3.4	5.1	3.4	5.1	5.1	3.4	3.4
70°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	3.4	3.4	3.4	3.4
72.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	3.4	3.4	3.4	3.4
75°	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8	3.4	3.4	3.4
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	8.5	10.2	8.5	8.5	3.4
80°	5.1	5.1	5.1	5.1	5.1	5.1	8.5	8.5	8.5	8.5	11.9
82.5°	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8	6.8	6.8	8.5
85°	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8	6.8	5.1	6.8
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	5.1	5.1	5.1
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5775.2	5717.6	5699.0	5660.0	5656.6	5660.0	5651.5	5639.7	5646.5	5634.6	5624.4
5°	6422.1	6268.0	6168.1	6034.3	5849.7	5809.0	5798.9	5741.3	5721.0	5714.2	5687.1
7.5°	5898.8	6179.9	6349.3	6406.9	6190.1	6139.3	6080.0	6032.6	5986.9	5900.5	5848.0
10°	5666.8	5680.3	5842.9	6032.6	6340.8	6383.2	6415.4	6312.0	6283.3	6063.1	6015.7
12.5°	5612.6	5614.3	5632.9	5748.1	5990.3	6017.4	6130.8	6191.8	6266.3	6308.7	6274.8
15°	5365.3	5502.5	5604.1	5614.3	5636.3	5683.7	5717.6	5929.3	6019.1	6259.5	6246.0
17.5°	5250.2	5294.2	5441.5	5561.8	5541.5	5524.5	5551.6	5580.4	5666.8	5907.3	5903.9
20°	5058.8	5199.4	5279.0	5404.3	5517.8	5522.8	5492.3	5475.4	5441.5	5480.5	5516.1
22.5°	4977.5	4999.5	5148.5	5236.6	5365.3	5411.1	5417.8	5419.5	5400.9	5380.6	5370.4
25°	4969.0	4899.6	4975.8	5085.9	5180.7	5229.8	5285.7	5304.4	5297.6	5297.6	5287.4
27.5°	4066.3	4877.6	4836.9	4909.7	5024.9	5058.8	5087.6	5145.2	5180.7	5206.1	5218.0
30°	3873.3	4018.9	4728.5	4738.7	4855.6	4852.2	4884.3	4931.8	4977.5	5036.8	5052.0
32.5°	3426.2	3783.5	4328.8	4567.6	4689.6	4701.4	4718.4	4731.9	4774.3	4840.3	4897.9
35°	2745.3	3446.5	3709.0	4486.3	4508.4	4532.1	4542.2	4574.4	4588.0	4615.1	4665.9
37.5°	2484.5	2848.6	3558.3	3880.0	4300.1	4320.4	4374.6	4388.1	4410.1	4432.2	4471.1
40°	2333.8	2433.7	2962.1	3465.1	4132.4	4145.9	4164.6	4198.4	4200.1	4225.5	4261.1
42.5°	2213.5	2277.9	2432.0	3309.3	4013.8	4012.1	3968.1	3990.1	4000.3	4027.4	4076.5
45°	1768.1	2137.3	2235.6	2703.0	3195.8	3426.2	3868.2	3795.4	3793.7	3803.8	3856.3
47.5°	89.8	2010.3	2079.7	2230.5	3018.0	3026.5	3084.0	3568.4	3642.9	3619.2	3624.3
50°	61.0	138.9	1937.5	2006.9	2601.4	2811.4	2853.7	2875.7	3155.2	3466.8	3416.0
52.5°	47.4	79.6	1187.2	1863.0	2113.6	2267.7	2540.4	2696.2	2713.1	2838.5	3263.6
55°	42.3	61.0	128.7	1719.0	1796.9	1830.8	1990.0	2262.7	2482.8	2548.9	2553.9
57.5°	37.3	55.9	88.1	777.4	1634.3	1641.1	1668.2	1763.0	1961.2	2142.4	2347.3
60°	33.9	49.1	69.4	133.8	1485.3	1502.2	1507.3	1532.7	1556.4	1680.1	1915.5
62.5°	20.3	39.0	61.0	96.5	1175.4	1349.8	1348.1	1365.0	1387.1	1400.6	1448.0
65°	16.9	30.5	52.5	81.3	144.0	179.5	1090.7	1212.6	1226.2	1244.8	1253.3
67.5°	15.2	27.1	39.0	64.4	108.4	123.6	142.3	176.1	962.0	1083.9	1100.8
70°	13.5	18.6	32.2	54.2	88.1	94.8	106.7	121.9	144.0	177.8	870.5
72.5°	8.5	13.5	22.0	39.0	67.7	76.2	83.0	93.1	103.3	123.6	142.3
75°	3.4	10.2	18.6	28.8	52.5	57.6	62.7	69.4	77.9	91.5	101.6
77.5°	3.4	8.5	15.2	20.3	33.9	39.0	45.7	50.8	57.6	64.4	74.5
80°	11.9	6.8	10.2	15.2	23.7	25.4	28.8	32.2	37.3	42.3	49.1
82.5°	8.5	10.2	11.9	10.2	11.9	15.2	16.9	20.3	22.0	25.4	27.1
85°	6.8	6.8	8.5	8.5	8.5	8.5	8.5	8.5	10.2	11.9	15.2
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5624.4	5621.1	5610.9	5610.9	5609.2	5616.0	5621.1	5626.1	5624.4	5634.6	5624.4
5°	5666.8	5658.3	5643.1	5629.5	5624.4	5627.8	5622.8	5627.8	5621.1	5629.5	5614.3
7.5°	5783.6	5754.9	5695.6	5671.9	5641.4	5639.7	5624.4	5621.1	5610.9	5610.9	5592.3
10°	5990.3	5851.4	5834.5	5763.3	5737.9	5614.3	5641.4	5595.7	5590.6	5568.6	5560.1
12.5°	6159.6	6051.2	6019.1	5956.4	5885.3	5634.6	5690.5	5592.3	5587.2	5543.2	5497.4
15°	6163.0	6225.7	6137.6	5964.9	5949.6	5776.9	5663.4	5629.5	5585.5	5453.4	5475.4
17.5°	5964.9	6108.8	6151.2	6113.9	6005.5	5888.6	5729.5	5661.7	5529.6	5470.3	5429.7
20°	5643.1	5788.7	5969.9	5981.8	6049.5	5966.6	5758.2	5648.2	5489.0	5385.6	5351.8
22.5°	5387.3	5494.0	5702.4	5798.9	5881.9	5910.7	5778.6	5616.0	5417.8	5317.9	5297.6
25°	5251.9	5275.6	5338.2	5451.7	5634.6	5766.7	5785.3	5612.6	5509.3	5290.8	5175.6
27.5°	5202.7	5182.4	5157.0	5214.6	5351.8	5512.7	5619.4	5648.2	5390.7	5182.4	5067.3
30°	5077.4	5089.3	5050.3	5030.0	5119.8	5285.7	5475.4	5522.8	5324.7	5109.6	4977.5
32.5°	4923.3	4943.6	4950.4	4914.8	4896.2	5011.4	5216.3	5329.8	5319.6	5006.3	4858.9
35°	4730.2	4787.8	4803.1	4804.7	4774.3	4755.6	4874.2	5109.6	5199.4	4958.9	4745.5
37.5°	4527.0	4543.9	4626.9	4648.9	4648.9	4593.0	4681.1	4869.1	4994.4	4852.2	4606.6
40°	4273.0	4327.1	4405.1	4444.0	4483.0	4488.0	4438.9	4571.0	4777.6	4742.1	4476.2
42.5°	4088.4	4123.9	4171.3	4223.8	4303.4	4323.8	4273.0	4296.7	4511.8	4604.9	4306.8
45°	3873.3	3920.7	3934.2	3991.8	4074.8	4134.1	4132.4	4083.3	4256.0	4371.2	4183.2
47.5°	3653.1	3698.8	3722.5	3751.3	3812.3	3888.5	3930.8	3908.8	3942.7	4168.0	4018.9
50°	3426.2	3451.6	3499.0	3531.2	3571.8	3615.8	3717.5	3737.8	3690.4	3869.9	3837.7
52.5°	3211.1	3219.5	3251.7	3283.9	3338.1	3370.3	3451.6	3512.5	3509.1	3561.6	3636.2
55°	3043.4	3006.1	3012.9	3038.3	3073.9	3123.0	3168.7	3263.6	3295.7	3305.9	3424.5
57.5°	2377.8	2760.6	2794.4	2792.7	2835.1	2857.1	2899.4	2962.1	3077.3	3051.9	3184.0
60°	2161.0	2203.4	2523.5	2560.7	2576.0	2596.3	2647.1	2704.7	2789.4	2843.6	2901.1
62.5°	1647.9	1905.3	2001.8	2284.7	2328.7	2340.6	2374.4	2401.5	2489.6	2613.2	2589.5
65°	1275.3	1385.4	1680.1	1795.2	2035.7	2066.2	2113.6	2142.4	2167.8	2310.1	2316.8
67.5°	1102.5	1119.5	1199.1	1420.9	1573.4	1808.8	1837.6	1863.0	1901.9	2003.5	2066.2
70°	941.6	962.0	984.0	1002.6	1200.8	1356.6	1575.0	1583.5	1608.9	1676.7	1818.9
72.5°	177.8	804.5	818.0	829.9	851.9	955.2	1163.5	1332.9	1343.0	1375.2	1505.6
75°	120.2	140.6	193.1	663.9	685.9	692.7	728.2	939.9	1095.8	1102.5	1160.1
77.5°	86.4	96.5	116.9	138.9	354.0	531.8	540.3	579.2	740.1	857.0	867.1
80°	59.3	66.1	77.9	88.1	108.4	142.3	392.9	404.8	425.1	586.0	616.5
82.5°	33.9	39.0	45.7	55.9	64.4	81.3	105.0	135.5	276.1	294.7	391.2
85°	16.9	18.6	22.0	27.1	32.2	39.0	52.5	64.4	88.1	159.2	164.3
87.5°	8.5	8.5	8.5	8.5	13.5	15.2	18.6	23.7	30.5	45.7	59.3
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5626.1	5649.9	5670.2	5675.3	5675.3	5678.6	5683.7	5687.1	5690.5	5693.9	5690.5
5°	5616.0	5641.4	5658.3	5663.4	5663.4	5673.6	5682.0	5692.2	5697.3	5697.3	5693.9
7.5°	5590.6	5609.2	5631.2	5644.8	5646.5	5663.4	5678.6	5676.9	5683.7	5687.1	5695.6
10°	5556.7	5556.7	5594.0	5604.1	5612.6	5631.2	5636.3	5646.5	5670.2	5673.6	5695.6
12.5°	5539.8	5522.8	5566.9	5571.9	5600.7	5577.0	5607.5	5617.7	5594.0	5626.1	5583.8
15°	5463.6	5483.9	5477.1	5492.3	5543.2	5516.1	5599.0	5571.9	5632.9	5560.1	5688.8
17.5°	5400.9	5397.5	5424.6	5438.2	5448.3	5505.9	5527.9	5558.4	5582.1	5561.8	5612.6
20°	5355.2	5328.1	5348.4	5363.6	5399.2	5443.2	5456.8	5411.1	5490.7	5626.1	5658.3
22.5°	5268.8	5250.2	5273.9	5273.9	5328.1	5321.3	5372.1	5343.3	5417.8	5575.3	5739.6
25°	5151.9	5153.6	5179.0	5209.5	5219.7	5295.9	5323.0	5360.2	5453.4	5641.4	5741.3
27.5°	5033.4	5023.2	5038.5	5101.1	5153.6	5209.5	5218.0	5345.0	5472.0	5600.7	5688.8
30°	4914.8	4904.7	4914.8	4960.6	5023.2	5060.5	5153.6	5323.0	5441.5	5529.6	5612.6
32.5°	4787.8	4777.6	4801.4	4835.2	4945.3	4950.4	5135.0	5294.2	5387.3	5451.7	5436.5
35°	4652.3	4638.8	4660.8	4713.3	4814.9	4852.2	5045.2	5163.8	5268.8	5299.3	5228.1
37.5°	4489.7	4466.0	4493.1	4565.9	4672.6	4781.0	4941.9	5079.1	5135.0	5053.7	4969.0
40°	4320.4	4303.4	4350.9	4388.1	4513.4	4664.2	4848.8	4945.3	4909.7	4816.6	4723.5
42.5°	4169.6	4134.1	4176.4	4247.6	4389.8	4560.9	4709.9	4764.1	4679.4	4542.2	4433.8
45°	3985.0	3942.7	3993.5	4088.4	4240.8	4435.5	4552.4	4533.8	4389.8	4271.3	4122.2
47.5°	3792.0	3741.2	3792.0	3905.4	4076.5	4283.1	4367.8	4283.1	4101.9	3952.9	3832.6
50°	3602.3	3543.0	3592.1	3763.2	3930.8	4090.0	4088.4	3924.1	3815.7	3653.1	3548.1
52.5°	3414.3	3329.6	3378.7	3565.0	3732.7	3913.9	3780.1	3627.7	3497.3	3355.0	3321.2
55°	3182.3	3090.8	3156.9	3427.8	3556.6	3663.3	3449.9	3316.1	3187.4	3116.2	3073.9
57.5°	2962.1	2862.2	2919.8	3239.9	3334.7	3361.8	3165.3	2975.7	2899.4	2875.7	2814.8
60°	2735.2	2621.7	2675.9	3045.1	3111.1	3001.1	2808.0	2660.6	2645.4	2598.0	2550.6
62.5°	2518.4	2393.1	2426.9	2802.9	2833.4	2633.5	2455.7	2416.8	2379.5	2332.1	2306.7
65°	2269.4	2139.0	2186.4	2545.5	2516.7	2259.3	2159.3	2150.9	2101.8	2062.8	2100.1
67.5°	2040.8	1886.7	1952.7	2264.3	2133.9	1923.9	1883.3	1863.0	1824.0	1846.0	1454.8
70°	1790.1	1622.5	1712.2	1961.2	1768.1	1629.2	1614.0	1583.5	1585.2	1260.0	1061.9
72.5°	1510.7	1365.0	1495.4	1629.2	1398.9	1358.3	1336.3	1332.9	1075.4	873.9	824.8
75°	1265.1	1117.8	1258.3	1309.2	1114.4	1087.3	1085.6	897.6	706.2	674.1	658.8
77.5°	987.4	873.9	1007.7	931.5	855.3	824.8	740.1	555.5	531.8	509.8	191.4
80°	665.6	674.1	752.0	641.9	609.7	519.9	409.9	392.9	338.7	135.5	106.7
82.5°	404.8	508.1	479.3	401.4	392.9	282.8	259.1	132.1	98.2	77.9	67.7
85°	210.0	257.4	247.3	218.5	162.6	145.6	81.3	62.7	50.8	39.0	32.2
87.5°	71.1	94.8	91.5	72.8	55.9	44.0	28.8	23.7	16.9	13.5	11.9
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5687.1	5687.1	5683.7	5687.1	5688.8	5685.4	5685.4	5688.8	5690.5	5692.2	5700.7
5°	5695.6	5699.0	5704.0	5714.2	5715.9	5736.2	5744.7	5749.8	5754.9	5756.5	5744.7
7.5°	5714.2	5726.1	5736.2	5734.5	5722.7	5690.5	5680.3	5671.9	5687.1	5726.1	5771.8
10°	5731.1	5676.9	5575.3	5714.2	5671.9	5710.8	5826.0	5851.4	5929.3	6039.4	6071.6
12.5°	5614.3	5763.3	5795.5	5639.7	5927.6	5820.9	5947.9	6059.7	6091.9	6203.7	6135.9
15°	5739.6	5812.4	5861.6	6017.4	6000.4	6091.9	6127.4	6105.4	6110.5	6139.3	6215.5
17.5°	5737.9	5883.6	5915.7	6020.7	6091.9	6093.6	6083.4	6073.3	6100.3	6122.4	6076.6
20°	5836.1	5883.6	5946.2	5988.6	6002.1	6019.1	6051.2	6025.8	5975.0	5925.9	5905.6
22.5°	5787.0	5893.7	5947.9	5954.7	5946.2	5893.7	5846.3	5775.2	5751.5	5726.1	5734.5
25°	5797.2	5846.3	5839.5	5812.4	5776.9	5678.6	5654.9	5624.4	5578.7	5468.6	5368.7
27.5°	5724.4	5699.0	5668.5	5602.4	5538.1	5485.6	5426.3	5328.1	5246.8	5128.2	5084.2
30°	5602.4	5500.8	5426.3	5387.3	5324.7	5236.6	5146.9	5026.6	4923.3	4899.6	4877.6
32.5°	5368.7	5268.8	5207.8	5113.0	5006.3	4901.3	4798.0	4750.5	4728.5	4731.9	4711.6
35°	5129.9	5041.8	4950.4	4808.1	4728.5	4623.5	4586.3	4576.1	4555.8	4533.8	4510.1
37.5°	4875.9	4772.6	4635.4	4550.7	4471.1	4428.8	4410.1	4394.9	4359.3	4320.4	4293.3
40°	4630.3	4444.0	4367.8	4284.8	4261.1	4242.5	4215.4	4178.1	4129.0	4122.2	4110.4
42.5°	4301.7	4168.0	4101.9	4085.0	4056.2	4024.0	4000.3	3959.6	3939.3	3952.9	3963.0
45°	3990.1	3922.4	3900.4	3880.0	3825.8	3780.1	3764.9	3751.3	3768.3	3842.8	3665.0
47.5°	3737.8	3710.7	3683.6	3649.7	3598.9	3565.0	3580.3	3593.8	3609.1	3062.0	2794.4
50°	3519.3	3482.0	3439.7	3402.4	3372.0	3368.6	3448.2	3209.4	2687.7	2674.2	2403.2
52.5°	3280.5	3224.6	3199.2	3177.2	3190.7	3241.6	2682.7	2489.6	2388.0	2074.7	1935.8
55°	3023.1	2974.0	2974.0	2994.3	2921.5	2367.7	2338.9	2022.2	1830.8	1776.6	1754.6
57.5°	2765.6	2760.6	2789.4	2550.6	2149.2	2061.1	1732.6	1663.1	1632.6	1625.9	1590.3
60°	2530.2	2577.7	2157.6	1984.9	1725.8	1556.4	1509.0	1500.5	1468.4	1456.5	1424.3
62.5°	2342.2	1942.6	1808.8	1476.8	1390.4	1368.4	1343.0	1331.2	1302.4	1150.0	337.0
65°	1691.9	1598.8	1297.3	1241.4	1234.6	1202.5	1192.3	1072.0	252.3	169.4	144.0
67.5°	1277.0	1133.0	1094.1	1083.9	1051.7	987.4	293.0	167.7	144.0	125.3	110.1
70°	980.6	955.2	926.4	902.7	265.9	166.0	144.0	121.9	105.0	93.1	84.7
72.5°	802.8	785.8	457.3	174.4	142.3	120.2	106.7	93.1	81.3	74.5	67.7
75°	628.3	174.4	144.0	120.2	103.3	88.1	77.9	69.4	62.7	57.6	52.5
77.5°	142.3	115.2	98.2	83.0	74.5	66.1	59.3	50.8	45.7	40.6	33.9
80°	88.1	76.2	64.4	59.3	50.8	42.3	37.3	33.9	27.1	25.4	22.0
82.5°	57.6	45.7	40.6	33.9	27.1	25.4	22.0	16.9	15.2	13.5	11.9
85°	25.4	22.0	18.6	15.2	11.9	10.2	8.5	6.8	6.8	6.8	6.8
87.5°	8.5	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	3.4	3.4
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5704.0	5734.5	5763.3	5754.9	5724.4	5676.9	5663.4	5644.8	5658.3	5687.1	5699.0
5°	5744.7	5727.8	5788.7	5878.5	6024.1	6037.7	6139.3	6163.0	6244.3	6295.1	6293.4
7.5°	5802.3	6042.8	6142.7	6251.1	6300.2	6288.3	6303.6	6291.7	6273.1	6264.6	6254.5
10°	6095.3	6278.2	6315.4	6315.4	6239.2	6135.9	6091.9	6015.7	5863.2	5866.6	5841.2
12.5°	6266.3	6330.7	6242.6	6168.1	5861.6	5743.0	5614.3	5553.3	5517.8	5463.6	5483.9
15°	6176.6	6085.1	6032.6	5792.1	5604.1	5390.7	5394.1	5356.9	5317.9	5321.3	5295.9
17.5°	6044.5	5971.6	5599.0	5433.1	5341.6	5258.6	5243.4	5194.3	5168.9	5160.4	5158.7
20°	5863.2	5600.7	5323.0	5282.3	5172.3	5077.4	5062.2	5077.4	5155.3	5016.4	4545.6
22.5°	5651.5	5273.9	5192.6	5077.4	5002.9	4965.6	5058.8	4635.4	3995.2	4073.1	3990.1
25°	5292.5	5128.2	4989.3	4901.3	4892.8	4664.2	3886.8	3805.5	3394.0	3173.8	2926.5
27.5°	5030.0	4958.9	4813.2	4798.0	4687.9	3814.0	3409.2	2962.1	2797.8	2772.4	2718.2
30°	4870.8	4769.2	4681.1	4296.7	3741.2	3070.5	2735.2	2672.5	2643.7	2613.2	2565.8
32.5°	4679.4	4582.9	4625.2	3612.4	2982.4	2643.7	2576.0	2530.2	2477.7	2457.4	2286.4
35°	4484.7	4440.6	3614.1	3036.6	2564.1	2482.8	2432.0	2384.6	1896.8	459.0	155.8
37.5°	4276.3	4266.2	3248.3	2520.1	2401.5	2325.3	2181.4	450.5	106.7	72.8	54.2
40°	4113.8	3250.0	2567.5	2362.6	2266.0	2145.8	301.5	74.5	47.4	28.8	18.6
42.5°	4005.4	2923.2	2298.2	2216.9	2006.9	221.9	76.2	32.2	18.6	15.2	11.9
45°	3087.4	2308.4	2147.5	2062.8	254.0	76.2	44.0	15.2	11.9	10.2	6.8
47.5°	2848.6	2096.7	2001.8	450.5	84.7	40.6	30.5	10.2	6.8	6.8	6.8
50°	2157.6	1937.5	1593.7	110.1	54.2	28.8	22.0	6.8	6.8	6.8	5.1
52.5°	1891.8	1788.4	171.1	72.8	42.3	22.0	13.5	5.1	5.1	5.1	5.1
55°	1729.2	1134.7	101.6	55.9	35.6	20.3	8.5	5.1	5.1	5.1	3.4
57.5°	1581.8	152.4	74.5	47.4	32.2	18.6	5.1	5.1	5.1	5.1	3.4
60°	1341.3	110.1	61.0	42.3	30.5	16.9	5.1	5.1	5.1	5.1	5.1
62.5°	174.4	86.4	52.5	37.3	22.0	13.5	3.4	5.1	5.1	5.1	5.1
65°	127.0	67.7	47.4	25.4	13.5	5.1	3.4	5.1	5.1	5.1	5.1
67.5°	98.2	55.9	35.6	22.0	11.9	3.4	3.4	5.1	5.1	5.1	5.1
70°	77.9	47.4	28.8	18.6	10.2	3.4	3.4	5.1	5.1	5.1	5.1
72.5°	61.0	33.9	20.3	10.2	6.8	3.4	3.4	5.1	5.1	5.1	5.1
75°	45.7	27.1	15.2	8.5	3.4	3.4	3.4	5.1	5.1	5.1	5.1
77.5°	30.5	16.9	11.9	6.8	6.8	6.8	8.5	8.5	5.1	5.1	5.1
80°	20.3	11.9	8.5	8.5	8.5	6.8	8.5	8.5	5.1	8.5	5.1
82.5°	10.2	8.5	8.5	6.8	6.8	5.1	6.8	6.8	6.8	6.8	5.1
85°	6.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8	5.1
87.5°	3.4	3.4	3.4	3.4	5.1	5.1	5.1	5.1	6.8	6.8	5.1
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5683.7	5688.8	5675.3	5748.1	5710.8	5714.2	5729.5	5690.5	5699.0	5671.9	5653.2
5°	6300.2	6310.4	6320.5	6323.9	6330.7	6339.1	6329.0	6323.9	6313.7	6279.9	6244.3
7.5°	6203.7	6191.8	6186.7	6193.5	6205.4	6210.4	6202.0	6213.8	6257.9	6276.5	6288.3
10°	5695.6	5641.4	5678.6	5673.6	5631.2	5773.5	5734.5	5756.5	5771.8	5927.6	6022.4
12.5°	5453.4	5487.3	5422.9	5390.7	5433.1	5461.9	5490.7	5429.7	5514.4	5475.4	5600.7
15°	5250.2	5229.8	5223.1	5224.8	5216.3	5256.9	5267.1	5280.6	5292.5	5345.0	5365.3
17.5°	5158.7	5192.6	5206.1	5216.3	5199.4	5180.7	5162.1	5135.0	5143.5	5129.9	5168.9
20°	4228.9	4115.4	4108.7	4174.7	4101.9	4142.5	4240.8	4897.9	4875.9	5131.6	5045.2
22.5°	3529.5	3422.8	3331.3	3251.7	3365.2	3412.6	3595.5	3802.1	4137.5	4085.0	4449.1
25°	2882.5	2843.6	2819.8	2808.0	2816.5	2813.1	2853.7	2950.3	3102.7	3461.7	3925.8
27.5°	2696.2	2677.6	2669.1	2642.0	2662.3	2655.6	2687.7	2708.1	2753.8	2789.4	2940.1
30°	2548.9	2526.9	2511.6	2482.8	2503.1	2504.8	2515.0	2567.5	2586.1	2616.6	2664.0
32.5°	931.5	548.7	514.9	489.5	535.2	697.8	1224.5	2140.7	2442.2	2465.9	2520.1
35°	91.5	76.2	67.7	67.7	69.4	76.2	101.6	267.6	489.5	1891.8	2367.7
37.5°	35.6	30.5	25.4	23.7	25.4	28.8	39.0	50.8	69.4	144.0	641.9
40°	15.2	13.5	11.9	11.9	11.9	11.9	13.5	16.9	25.4	47.4	74.5
42.5°	10.2	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.9	15.2	30.5
45°	6.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	8.5	13.5
47.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8
50°	5.1	5.1	5.1	5.1	3.4	5.1	3.4	5.1	5.1	5.1	5.1
52.5°	5.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1
57.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1	3.4
65°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	3.4
67.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
70°	5.1	5.1	3.4	5.1	3.4	3.4	5.1	5.1	5.1	3.4	3.4
72.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	10.2	10.2
75°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	8.5	10.2
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	8.5	8.5
80°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8
82.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8
85°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5621.1	5619.4	5654.9	5682.0	5671.9	5682.0	5693.9	5695.6	5699.0	5685.4	5680.3
5°	6176.6	6124.1	6022.4	5949.6	5864.9	5710.8	5634.6	5643.1	5644.8	5639.7	5646.5
7.5°	6283.3	6278.2	6242.6	6227.4	6169.8	6059.7	5883.6	5853.1	5778.6	5731.1	5692.2
10°	6015.7	6137.6	6169.8	6224.0	6257.9	6237.5	6088.5	6066.5	6019.1	5964.9	5976.7
12.5°	5726.1	5826.0	5831.1	6125.8	6191.8	6198.6	6141.0	6171.5	6178.3	6056.3	5985.2
15°	5370.4	5417.8	5517.8	5792.1	5992.0	6117.3	6154.5	6171.5	6088.5	6083.4	6054.6
17.5°	5214.6	5245.1	5290.8	5444.9	5748.1	5932.7	6090.2	6078.3	6110.5	6086.8	6014.0
20°	5018.1	5043.5	5124.8	5202.7	5351.8	5597.3	5892.0	5914.1	5956.4	5951.3	5971.6
22.5°	5014.8	4925.0	4938.5	4999.5	5155.3	5375.5	5688.8	5761.6	5788.7	5807.4	5829.4
25°	3978.3	4691.3	4821.7	4860.6	4962.2	5091.0	5460.2	5487.3	5538.1	5621.1	5682.0
27.5°	3446.5	3930.8	4452.5	4723.5	4787.8	4894.5	5114.7	5155.3	5328.1	5348.4	5443.2
30°	2719.9	3094.2	3873.3	4525.3	4632.0	4706.5	4862.3	4943.6	5018.1	5099.4	5199.4
32.5°	2559.0	2618.3	3050.2	3744.6	4574.4	4518.5	4633.7	4682.8	4764.1	4835.2	4908.1
35°	2411.7	2452.3	2543.8	3067.1	3725.9	4364.4	4442.3	4474.5	4520.2	4574.4	4626.9
37.5°	2257.6	2318.5	2381.2	2521.8	3446.5	4242.5	4240.8	4278.0	4305.1	4350.9	4394.9
40°	409.9	2128.9	2230.5	2321.9	2672.5	3383.8	4051.1	4068.0	4086.7	4115.4	4161.2
42.5°	66.1	355.7	2089.9	2178.0	2277.9	3029.9	3964.7	3895.3	3883.4	3903.7	3944.4
45°	33.9	86.4	420.0	2034.0	2123.8	2416.8	3241.6	3775.0	3763.2	3724.2	3732.7
47.5°	25.4	54.2	103.3	702.8	1988.3	2074.7	2990.9	2958.7	3184.0	3615.8	3549.8
50°	22.0	37.3	61.0	144.0	1756.3	1910.4	2303.3	2691.1	2809.7	2824.9	3343.2
52.5°	20.3	25.4	44.0	93.1	369.2	1766.4	1873.1	2008.6	2208.5	2636.9	2626.8
55°	18.6	23.7	37.3	62.7	128.7	1592.0	1702.1	1727.5	1769.8	1974.7	2245.7
57.5°	10.2	22.0	35.6	54.2	96.5	291.3	1544.6	1564.9	1598.8	1607.2	1703.8
60°	5.1	20.3	32.2	47.4	71.1	135.5	1388.8	1412.5	1432.8	1436.2	1466.7
62.5°	3.4	18.6	27.1	44.0	59.3	96.5	328.6	670.7	1275.3	1275.3	1310.8
65°	3.4	13.5	16.9	28.8	54.2	79.6	138.9	160.9	313.3	770.6	1150.0
67.5°	3.4	5.1	15.2	23.7	40.6	61.0	101.6	118.6	142.3	162.6	301.5
70°	3.4	3.4	13.5	15.2	25.4	45.7	72.8	83.0	96.5	110.1	127.0
72.5°	3.4	3.4	11.9	11.9	16.9	30.5	55.9	61.0	69.4	77.9	89.8
75°	8.5	6.8	10.2	10.2	11.9	23.7	42.3	47.4	50.8	57.6	66.1
77.5°	8.5	8.5	8.5	8.5	8.5	15.2	27.1	30.5	35.6	39.0	45.7
80°	6.8	6.8	6.8	8.5	8.5	10.2	16.9	18.6	20.3	25.4	27.1
82.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	10.2	11.9	15.2
85°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8	6.8	6.8
87.5°	5.1	5.1	5.1	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5678.6	5668.5	5660.0	5665.1	5649.9	5643.1	5648.2	5649.9	5653.2	5661.7	5663.4
5°	5663.4	5660.0	5675.3	5683.7	5680.3	5683.7	5683.7	5676.9	5666.8	5673.6	5658.3
7.5°	5653.2	5631.2	5614.3	5617.7	5600.7	5621.1	5639.7	5666.8	5675.3	5675.3	5658.3
10°	5827.7	5804.0	5709.1	5644.8	5602.4	5565.2	5653.2	5563.5	5605.8	5444.9	5629.5
12.5°	5971.6	6003.8	5961.5	5785.3	5754.9	5643.1	5707.4	5597.3	5565.2	5380.6	5439.8
15°	6029.2	5968.2	5954.7	5905.6	5839.5	5807.4	5634.6	5616.0	5563.5	5583.8	5505.9
17.5°	5978.4	6008.9	5968.2	5936.1	5868.3	5792.1	5688.8	5597.3	5524.5	5361.9	5499.1
20°	5929.3	5969.9	5848.0	5868.3	5875.1	5787.0	5732.8	5656.6	5565.2	5412.7	5294.2
22.5°	5848.0	5819.2	5829.4	5798.9	5773.5	5785.3	5710.8	5658.3	5504.2	5434.8	5273.9
25°	5715.9	5705.7	5732.8	5729.5	5668.5	5648.2	5610.9	5555.0	5494.0	5382.3	5250.2
27.5°	5500.8	5553.3	5600.7	5622.8	5590.6	5536.4	5516.1	5483.9	5441.5	5328.1	5229.8
30°	5273.9	5333.1	5387.3	5434.8	5463.6	5439.8	5421.2	5402.6	5338.2	5263.7	5153.6
32.5°	5014.8	5092.7	5167.2	5224.8	5287.4	5306.1	5292.5	5277.3	5223.1	5155.3	5067.3
35°	4715.0	4821.7	4930.1	5033.4	5060.5	5104.5	5148.5	5123.1	5094.4	5026.6	4945.3
37.5°	4460.9	4537.2	4615.1	4745.5	4840.3	4896.2	4974.1	4984.3	4935.2	4903.0	4796.3
40°	4198.4	4267.9	4381.3	4457.6	4588.0	4652.3	4735.3	4772.6	4760.7	4742.1	4648.9
42.5°	3991.8	4025.7	4100.2	4168.0	4296.7	4428.8	4501.6	4542.2	4584.6	4569.3	4521.9
45°	3771.6	3802.1	3827.5	3886.8	4012.1	4129.0	4218.8	4279.7	4355.9	4391.5	4333.9
47.5°	3553.2	3561.6	3592.1	3641.2	3715.8	3805.5	3956.3	4047.7	4118.8	4188.3	4151.0
50°	3385.5	3355.0	3360.1	3390.6	3451.6	3539.6	3648.0	3776.7	3858.0	3942.7	3951.2
52.5°	2958.7	3206.0	3146.7	3163.6	3195.8	3238.2	3351.6	3478.7	3578.6	3651.4	3724.2
55°	2482.8	2531.9	3007.8	2940.1	2960.4	2997.7	3050.2	3177.2	3273.7	3375.3	3477.0
57.5°	1925.6	2291.4	2310.1	2750.4	2740.2	2743.6	2787.7	2860.5	2957.0	3084.0	3170.4
60°	1497.1	1651.3	1951.0	2103.5	2489.6	2503.1	2528.5	2570.9	2653.9	2774.1	2911.3
62.5°	1321.0	1341.3	1448.0	1676.7	1927.3	2230.5	2284.7	2291.4	2328.7	2448.9	2608.1
65°	1160.1	1173.7	1205.8	1229.6	1439.6	1732.6	1993.4	2035.7	2059.4	2130.5	2266.0
67.5°	799.4	1011.1	1039.9	1056.8	1077.1	1212.6	1536.1	1751.2	1778.3	1840.9	1959.5
70°	154.1	320.1	875.6	894.2	904.4	934.9	987.4	1329.5	1509.0	1568.3	1622.5
72.5°	105.0	123.6	149.0	352.3	745.2	762.1	774.0	818.0	1121.2	1293.9	1322.7
75°	76.2	84.7	99.9	123.6	152.4	496.2	614.8	636.8	658.8	909.5	1055.1
77.5°	54.2	61.0	67.7	79.6	93.1	120.2	172.7	475.9	497.9	509.8	719.8
80°	30.5	37.3	45.7	52.5	59.3	67.7	88.1	110.1	245.6	359.0	377.7
82.5°	16.9	20.3	23.7	28.8	32.2	40.6	49.1	59.3	77.9	115.2	243.9
85°	8.5	8.5	8.5	11.9	13.5	18.6	22.0	25.4	35.6	49.1	67.7
87.5°	5.1	5.1	6.8	6.8	6.8	8.5	8.5	8.5	10.2	15.2	22.0
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-LD5-95SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	5643.1	5643.1	5643.1	5643.1	5643.1
2.5°	5665.1	5660.0	5660.0	5680.3	5675.3
5°	5654.9	5649.9	5648.2	5670.2	5660.0
7.5°	5646.5	5627.8	5622.8	5643.1	5634.6
10°	5612.6	5599.0	5607.5	5600.7	5597.3
12.5°	5555.0	5546.5	5511.0	5514.4	5543.2
15°	5451.7	5485.6	5424.6	5478.8	5490.7
17.5°	5262.0	5338.2	5397.5	5429.7	5434.8
20°	5346.7	5372.1	5341.6	5343.3	5363.6
22.5°	5236.6	5248.5	5256.9	5246.8	5290.8
25°	5060.5	5014.8	5113.0	5133.3	5204.4
27.5°	5006.3	4969.0	5014.8	5011.4	5070.6
30°	4962.2	4842.0	4862.3	4894.5	4967.3
32.5°	4899.6	4709.9	4689.6	4760.7	4842.0
35°	4789.5	4610.0	4562.6	4608.3	4730.2
37.5°	4696.4	4471.1	4376.3	4437.2	4596.4
40°	4557.5	4362.7	4215.4	4269.6	4457.6
42.5°	4391.5	4269.6	4042.6	4079.9	4295.0
45°	4223.8	4115.4	3875.0	3893.6	4149.3
47.5°	4052.8	3952.9	3700.5	3703.9	3963.0
50°	3885.1	3753.0	3544.7	3485.4	3764.9
52.5°	3666.6	3544.7	3387.2	3290.7	3576.9
55°	3460.0	3322.8	3207.7	3058.6	3363.5
57.5°	3258.5	3106.1	3028.2	2836.8	3121.3
60°	2982.4	2909.6	2794.4	2611.5	2902.8
62.5°	2699.6	2675.9	2559.0	2369.3	2633.5
65°	2369.3	2425.2	2305.0	2142.4	2354.1
67.5°	2057.7	2157.6	2025.5	1925.6	2084.8
70°	1725.8	1840.9	1766.4	1730.9	1798.6
72.5°	1398.9	1510.7	1517.5	1492.1	1514.1
75°	1080.5	1204.1	1271.9	1232.9	1238.0
77.5°	819.7	879.0	953.5	984.0	977.2
80°	506.4	609.7	670.7	733.3	711.3
82.5°	255.7	342.1	416.6	484.4	452.2
85°	106.7	137.2	191.4	252.3	242.2
87.5°	32.2	54.2	57.6	81.3	76.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)