

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: STREETWORKS

Report Number: P953911

Luminaire Tested: **GLAN-SB7B-827-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-827-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26576 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 256.7
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: 24 FT

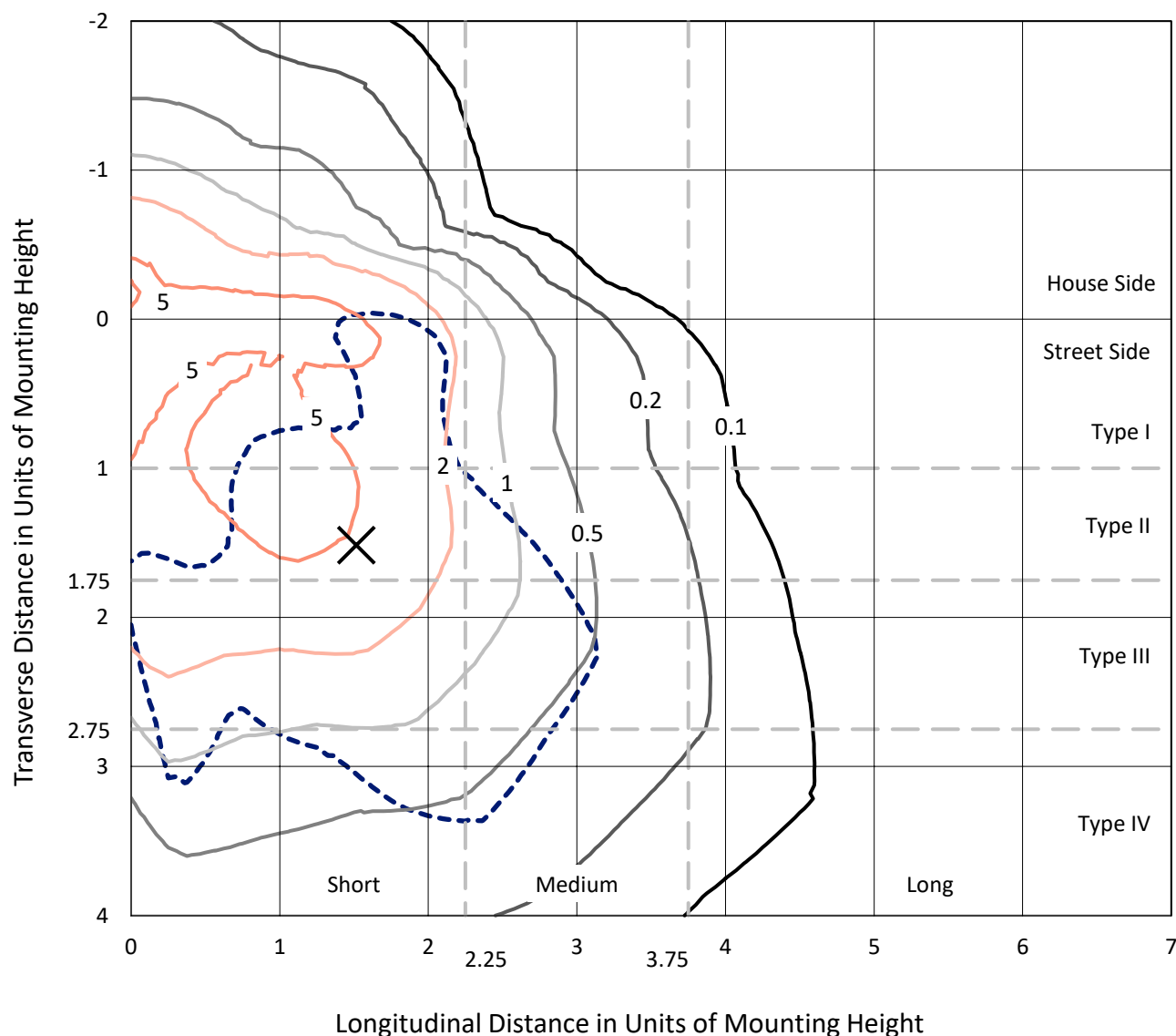


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Iso-Footcandle Lines of Horizontal Illumination

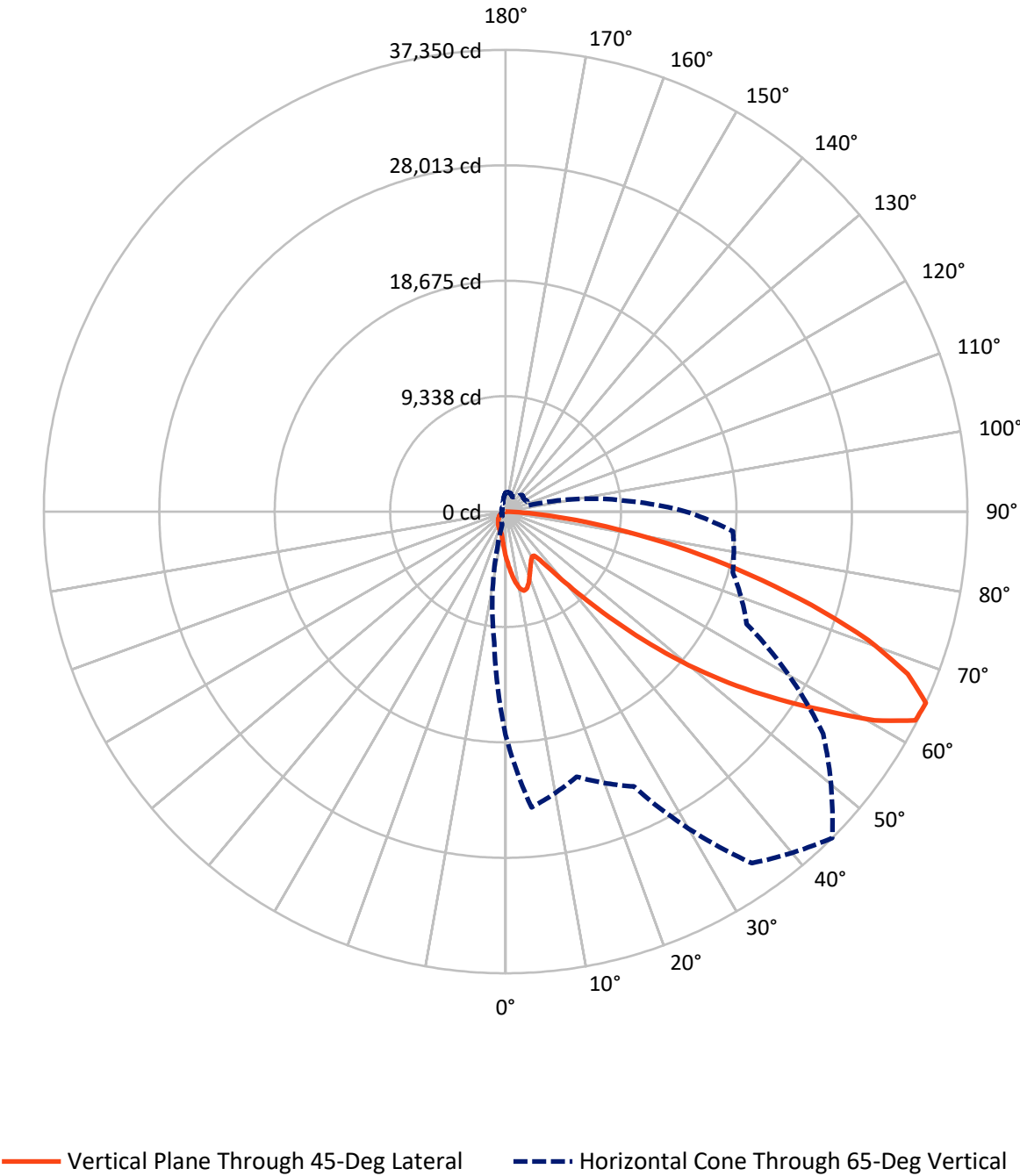
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5282.5	0.0	5282.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	21293.5	0.0	21293.5
	% Fixture	80.1	0.0	80.1
Total	Lumens	26576.0	0.0	26576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.3	1.4
10°-20°	1086.1	4.1
20°-30°	1600.0	6.0
30°-40°	2055.6	7.7
40°-50°	3324.5	12.5
50°-60°	5829.8	21.9
60°-70°	7294.6	27.4
70°-80°	4262.6	16.0
80°-90°	760.5	2.9
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°-90°	26576.0	100.0
0°-180°	26576.0	100.0

Coefficient of Utilization



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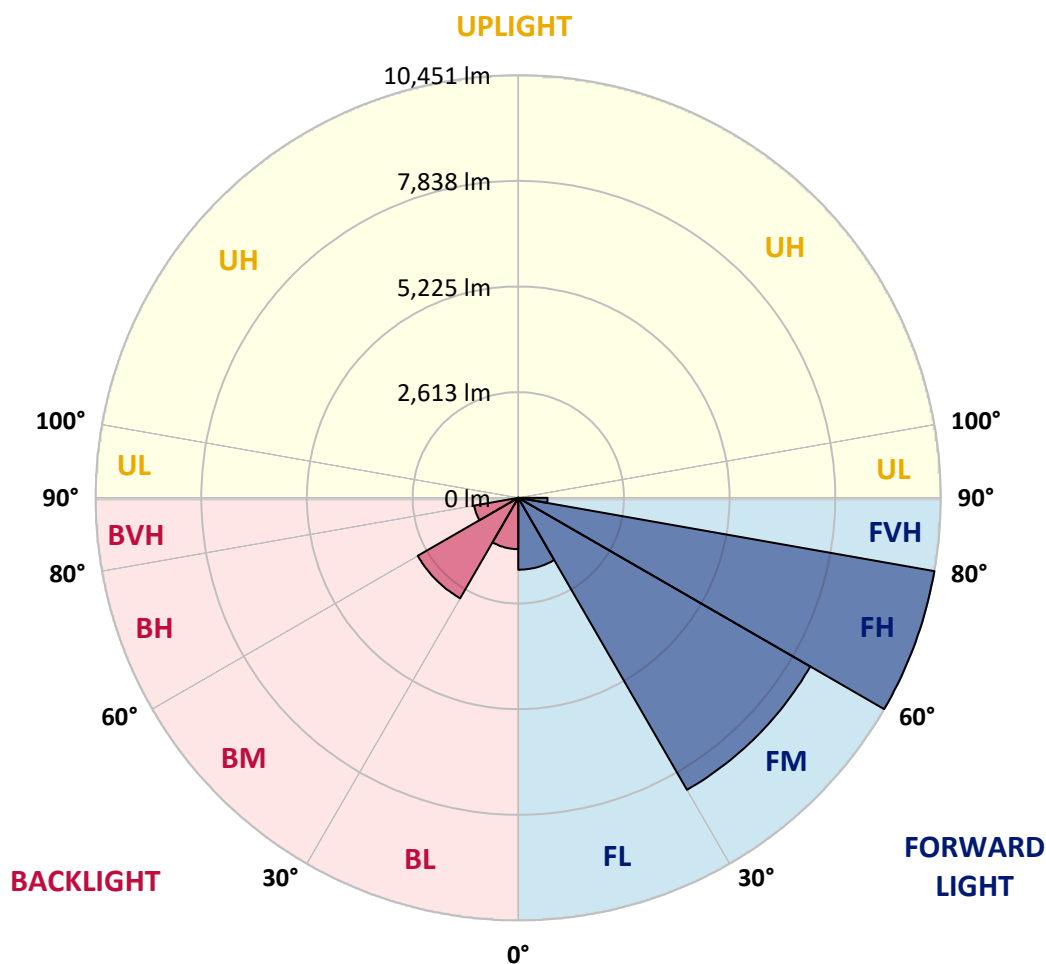
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1778.2	6.7			
FM	(30°-60°)	8339.9	31.4			
FH	(60°-80°)	10450.5	39.3			G4/12000
FVH	(80°-90°)	724.9	2.7			G4/750
BL	(0°-30°)	1270.1	4.8	B3/2500		
BM	(30°-60°)	2869.9	10.8	B3/5000		
BH	(60°-80°)	1106.8	4.2	B3/2500		G3/2500
BVH	(80°-90°)	35.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9
2.5°	4123.0	4154.1	4223.7	4260.3	4317.0	4320.7	4320.7	4271.3	4269.4	4168.8
5°	4608.1	4681.4	4846.2	5016.4	5053.0	5062.2	5043.9	4945.0	4871.8	4675.9
7.5°	5089.6	5230.6	5481.4	5708.5	5781.7	5781.7	5737.8	5576.6	5426.5	5142.7
10°	5488.8	5666.4	6006.9	6261.4	6345.6	6327.3	6237.6	6034.3	5827.5	5483.3
12.5°	5752.4	5952.0	6325.4	6530.5	6616.5	6568.9	6466.4	6268.7	6050.8	5688.3
15°	5884.2	6092.9	6417.0	6525.0	6501.2	6451.8	6439.0	6343.8	6179.0	5840.3
17.5°	5941.0	6135.0	6360.2	6292.5	6091.1	6052.7	6180.8	6301.6	6261.4	5972.1
20°	5994.1	6157.0	6224.7	5924.5	5573.0	5538.2	5783.5	6127.7	6303.5	6094.8
22.5°	6067.3	6168.0	6028.9	5536.4	5157.4	5076.8	5347.8	5865.9	6316.3	6250.4
25°	6168.0	6195.5	5812.8	5168.4	4787.6	4707.0	4959.7	5574.8	6294.3	6418.8
27.5°	6288.8	6232.1	5605.9	4860.8	4492.8	4417.7	4670.4	5294.7	6232.1	6587.2
30°	6446.3	6279.7	5400.9	4622.8	4282.3	4227.3	4470.8	5053.0	6155.2	6801.5
32.5°	6605.6	6299.8	5210.5	4483.7	4234.7	4254.8	4454.4	4923.0	6071.0	7006.5
35°	6777.7	6363.9	5117.1	4621.0	4631.9	4807.7	4890.1	5043.9	6058.1	7284.8
37.5°	7012.0	6506.7	5228.8	5303.9	5684.7	6049.0	5981.3	5635.2	6206.4	7700.4
40°	7348.9	6757.5	5715.8	6466.4	7248.2	7839.5	7581.4	6709.9	6660.5	8299.1
42.5°	7839.5	7156.6	6579.9	7887.1	9212.6	10186.6	9494.6	8095.8	7455.1	9154.0
45°	8564.5	7802.9	7625.3	9386.6	11634.8	13169.0	11730.0	9573.3	8568.2	10448.4
47.5°	9569.6	8753.1	8604.8	10966.5	14578.7	16563.3	14208.9	10942.7	9835.1	12213.3
50°	10904.3	10032.8	9533.0	12694.8	17806.4	20023.6	16686.0	12264.6	11286.9	14370.0
52.5°	12665.5	11817.9	10615.0	14340.7	21125.7	23410.6	19174.1	13425.3	13088.5	16872.7
55°	15067.6	14503.7	12094.3	15911.6	24443.1	26817.7	21565.1	14520.1	15468.5	19846.0
57.5°	18048.1	18450.9	14227.2	17733.2	27425.5	30329.2	23967.1	16050.7	18558.9	23170.7
60°	19970.5	23699.8	18311.7	20426.3	30814.3	34300.2	27258.9	18961.7	21806.8	24362.6
62.5°	19505.4	25369.5	23203.7	23864.6	33930.4	37187.4	30484.8	21885.5	22418.3	22606.8
65°	18079.2	24022.0	22205.9	24532.8	34719.5	37350.3	31347.1	21508.3	19016.6	18456.4
67.5°	16116.6	22423.7	19835.0	22760.6	33293.3	35072.8	29741.5	19025.8	14695.9	13850.1
70°	13998.4	20655.2	18278.8	20772.4	30574.5	31103.6	27011.8	16733.6	10809.1	9353.6
72.5°	11988.1	18813.4	17213.3	18734.7	26947.7	25852.9	23458.2	14706.9	7870.6	6746.5
75°	9932.1	16096.5	15695.5	16314.3	22178.4	20364.1	19490.8	12176.7	6177.1	4880.9
77.5°	7663.8	12577.7	13500.4	13064.7	15611.3	15126.1	15107.8	9150.4	4512.9	3257.0
80°	5245.3	8765.9	10547.3	9216.3	10131.7	9884.5	11378.5	6138.7	3273.5	1960.8
82.5°	3083.1	5336.8	7341.5	4461.7	5602.3	5750.6	6775.8	2986.0	1926.0	452.2
85°	1250.4	2107.3	2870.7	1746.6	2702.3	2279.4	2572.3	838.5	536.4	11.0
87.5°	314.9	673.7	472.3	195.9	313.1	287.4	227.0	102.5	22.0	0.0
90°	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3679.9	0°	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9
4157.8	2.5°	4086.4	4044.3	3939.9	3835.5	3751.3	3637.8	3562.8	3473.0	3387.0	3310.1
4633.8	5°	4518.4	4379.3	4188.9	4015.0	3837.4	3665.3	3495.0	3315.6	3150.8	3050.1
5036.6	7.5°	4870.0	4624.6	4372.0	4150.4	3936.2	3734.8	3509.7	3291.8	3033.7	2896.3
5344.1	10°	5131.8	4809.5	4478.2	4223.7	4007.6	3811.7	3621.3	3401.6	3090.4	2918.3
5530.9	12.5°	5303.9	4921.2	4533.1	4242.0	4000.3	3848.4	3764.1	3678.1	3368.7	3167.3
5668.2	15°	5422.9	4999.9	4571.5	4199.9	3903.3	3791.6	3875.8	3974.7	3777.0	3544.4
5811.0	17.5°	5552.8	5102.5	4588.0	4086.4	3714.7	3667.1	3885.0	4113.8	4104.7	3874.0
5946.5	20°	5690.2	5192.2	4577.0	3903.3	3485.9	3528.0	3806.3	4071.7	4183.4	4058.9
6102.1	22.5°	5831.1	5278.2	4534.9	3665.3	3271.7	3403.5	3681.8	3914.3	4046.1	4007.6
6292.5	25°	6008.7	5399.1	4472.7	3409.0	3094.1	3277.1	3537.1	3725.7	3817.2	3815.4
6497.5	27.5°	6221.1	5560.2	4439.7	3202.1	2967.7	3134.3	3365.0	3533.5	3597.5	3597.5
6752.0	30°	6468.2	5750.6	4403.1	3066.6	2894.5	2986.0	3165.5	3330.2	3394.3	3394.3
7030.3	32.5°	6742.9	5933.7	4315.2	2984.2	2839.6	2841.4	2954.9	3105.1	3181.9	3192.9
7378.2	35°	7072.4	6129.5	4123.0	2918.3	2775.5	2700.4	2755.4	2879.9	2971.4	2995.2
7874.3	37.5°	7504.5	6369.4	3848.4	2821.3	2676.6	2552.1	2565.0	2660.2	2760.9	2797.5
8559.0	40°	8084.9	6651.3	3562.8	2682.1	2537.5	2389.2	2383.7	2453.3	2552.1	2592.4
9485.4	42.5°	8852.0	6990.0	3290.0	2548.5	2369.1	2217.1	2208.0	2262.9	2348.9	2391.0
10708.4	45°	9833.3	7405.6	3055.6	2444.1	2204.3	2054.2	2050.5	2096.3	2171.3	2215.3
12273.7	47.5°	11197.2	7821.2	2896.3	2389.2	2074.3	1920.5	1927.8	1968.1	2035.9	2067.0
14300.4	50°	12974.9	7947.5	2815.8	2389.2	2004.7	1801.5	1838.1	1871.1	1922.3	1940.7
16729.9	52.5°	14681.3	7530.1	2742.6	2403.9	2013.9	1700.8	1779.5	1803.3	1847.3	1854.6
18981.8	55°	15517.9	6473.7	2641.9	2407.5	2070.6	1614.8	1731.9	1775.9	1792.4	1790.5
20289.0	57.5°	15230.5	5234.3	2471.6	2392.9	2109.1	1559.8	1673.4	1757.6	1768.6	1752.1
20040.0	60°	14221.7	3853.9	2341.6	2284.8	2094.4	1543.4	1583.6	1717.3	1733.8	1711.8
18121.3	62.5°	12530.1	2674.8	2240.9	2046.8	2030.4	1537.9	1442.7	1629.4	1669.7	1638.6
14565.9	65°	9864.4	1889.4	1929.7	1794.2	1891.2	1508.6	1296.2	1523.2	1578.2	1530.6
10567.4	67.5°	6675.1	1364.0	1563.5	1625.8	1666.0	1442.7	1190.0	1402.4	1475.6	1413.4
6781.3	70°	3604.9	957.5	1032.6	1369.4	1415.2	1329.2	1094.8	1279.7	1364.0	1296.2
4820.5	72.5°	2129.2	688.4	723.2	1100.3	1179.0	1169.9	988.6	1136.9	1239.5	1158.9
3326.6	75°	1173.5	465.0	516.3	798.2	957.5	902.6	849.5	963.0	1067.4	988.6
2085.3	77.5°	525.4	278.3	358.8	523.6	752.5	618.8	657.3	750.6	847.7	765.3
1160.7	80°	203.2	155.6	238.0	285.6	547.4	342.4	422.9	552.9	622.5	556.6
252.7	82.5°	25.6	69.6	102.5	111.7	318.6	181.3	245.3	347.9	342.4	296.6
0.0	85°	0.0	12.8	14.6	7.3	137.3	65.9	80.6	113.5	106.2	80.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0
0.0	90°	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):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
3679.9	0°	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9
3295.5	2.5°	3205.7	3139.8	3106.9	3079.4	3105.1	3119.7	3119.7	3181.9	3218.6	3233.2
2986.0	5°	2824.9	2702.3	2619.9	2570.5	2586.9	2605.2	2625.4	2704.1	2757.2	2792.0
2771.8	7.5°	2524.7	2337.9	2222.6	2162.2	2171.3	2184.2	2200.6	2277.5	2330.6	2376.4
2731.6	10°	2376.4	2112.8	1960.8	1887.6	1874.7	1867.4	1861.9	1907.7	1948.0	1984.6
2896.3	12.5°	2383.7	2015.7	1830.8	1741.1	1702.7	1658.7	1623.9	1631.3	1656.9	1702.7
3191.1	15°	2477.1	1984.6	1763.1	1651.4	1587.3	1536.0	1493.9	1484.8	1493.9	1501.3
3528.0	17.5°	2603.4	1980.9	1704.5	1565.3	1499.4	1457.3	1418.9	1406.1	1407.9	1417.0
3751.3	20°	2704.1	1970.0	1638.6	1483.0	1424.4	1387.8	1349.3	1336.5	1340.2	1342.0
3773.3	22.5°	2757.2	1953.5	1565.3	1400.6	1351.1	1314.5	1279.7	1277.9	1277.9	1288.9
3654.3	25°	2757.2	1918.7	1499.4	1321.8	1277.9	1244.9	1202.8	1210.2	1213.8	1228.5
3469.4	27.5°	2691.3	1852.8	1446.3	1254.1	1208.3	1175.4	1136.9	1146.1	1151.6	1168.1
3286.3	30°	2607.1	1774.1	1385.9	1190.0	1136.9	1113.1	1080.2	1083.8	1091.2	1109.5
3116.0	32.5°	2517.4	1680.7	1336.5	1125.9	1072.9	1054.5	1017.9	1023.4	1030.7	1050.9
2947.6	35°	2418.5	1570.8	1277.9	1067.4	1014.3	999.6	957.5	961.2	972.2	994.1
2766.4	37.5°	2314.1	1481.1	1219.3	1010.6	955.7	941.0	897.1	900.8	913.6	939.2
2575.9	40°	2211.6	1393.2	1157.1	950.2	895.3	882.4	834.8	838.5	853.2	880.6
2383.7	42.5°	2099.9	1325.5	1076.5	887.9	829.4	816.5	772.6	778.1	794.6	822.0
2206.1	45°	1966.3	1281.6	986.8	829.4	763.4	750.6	710.4	721.3	739.6	767.1
2054.2	47.5°	1829.0	1263.3	911.7	767.1	695.7	684.7	651.8	670.1	690.2	712.2
1924.2	50°	1697.2	1239.5	834.8	708.5	637.1	626.1	604.2	628.0	648.1	668.2
1830.8	52.5°	1547.0	1188.2	765.3	657.3	587.7	584.0	573.0	595.0	613.3	631.6
1750.3	55°	1391.4	1105.8	704.9	611.5	545.6	549.2	543.8	562.1	576.7	593.2
1677.0	57.5°	1255.9	1001.5	657.3	562.1	509.0	519.9	512.6	521.8	530.9	551.1
1589.1	60°	1118.6	877.0	604.2	503.5	472.3	485.2	465.0	463.2	466.9	472.3
1459.2	62.5°	933.7	747.0	538.3	452.2	432.1	437.6	399.1	369.8	369.8	375.3
1277.9	65°	750.6	626.1	465.0	393.6	377.1	373.5	318.6	278.3	274.6	291.1
1067.4	67.5°	617.0	519.9	391.8	327.7	316.7	320.4	280.1	239.8	236.2	254.5
869.6	70°	510.8	419.3	313.1	252.7	263.6	280.1	239.8	201.4	195.9	212.4
706.7	72.5°	406.4	327.7	239.8	186.7	217.9	238.0	195.9	159.3	155.6	170.3
545.6	75°	298.4	234.3	162.9	135.5	168.4	186.7	142.8	113.5	108.0	120.8
364.3	77.5°	184.9	131.8	102.5	80.6	115.3	124.5	75.1	65.9	64.1	73.2
221.5	80°	86.0	56.8	49.4	27.5	42.1	49.4	31.1	34.8	36.6	43.9
111.7	82.5°	23.8	9.2	1.8	0.0	0.0	14.6	7.3	14.6	18.3	27.5
9.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	9.2	16.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
0.0	90°	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):

285°		295°	305°	315°	325°	335°	345°	355°	360°
3679.9	0°	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9	3679.9
3335.7	2.5°	3412.6	3485.9	3603.0	3723.9	3842.9	3963.7	4080.9	4123.0
2951.3	5°	3095.9	3264.3	3496.8	3745.8	4002.1	4262.1	4500.1	4608.1
2554.0	7.5°	2742.6	2984.2	3333.9	3723.9	4132.1	4540.4	4915.7	5089.6
2160.4	10°	2365.4	2671.1	3070.3	3597.5	4183.4	4747.3	5263.6	5488.8
1814.3	12.5°	2006.6	2327.0	2768.2	3399.8	4143.1	4866.3	5486.9	5752.4
1570.8	15°	1706.3	1990.1	2466.1	3165.5	4013.1	4873.6	5593.1	5884.2
1435.4	17.5°	1481.1	1666.0	2158.5	2905.5	3842.9	4805.9	5629.7	5941.0
1362.1	20°	1369.4	1420.7	1759.4	2572.3	3683.6	4741.8	5666.4	5994.1
1303.5	22.5°	1303.5	1316.4	1439.0	2142.0	3493.2	4721.7	5730.4	6067.3
1250.4	25°	1250.4	1254.1	1287.1	1697.2	3202.1	4708.8	5829.3	6168.0
1195.5	27.5°	1197.3	1197.3	1215.7	1367.6	2806.6	4653.9	5957.5	6288.8
1140.6	30°	1144.3	1144.3	1157.1	1210.2	2343.4	4545.9	6111.2	6446.3
1085.7	32.5°	1089.3	1089.3	1100.3	1138.8	1871.1	4410.4	6252.2	6605.6
1028.9	35°	1034.4	1030.7	1045.4	1085.7	1488.4	4238.3	6393.2	6777.7
972.2	37.5°	975.8	974.0	988.6	1034.4	1285.2	4038.8	6499.4	7012.0
915.4	40°	913.6	913.6	930.1	979.5	1226.6	3787.9	6667.8	7348.9
856.8	42.5°	856.8	853.2	871.5	931.9	1182.7	3548.1	6969.9	7839.5
803.7	45°	801.9	794.6	811.0	886.1	1105.8	3463.9	7533.8	8564.5
752.5	47.5°	750.6	732.3	747.0	831.2	1036.2	3778.8	8456.5	9569.6
706.7	50°	708.5	673.7	686.6	776.3	983.1	4461.7	9653.9	10904.3
664.6	52.5°	664.6	618.8	626.1	708.5	935.5	5111.6	10951.9	12665.5
622.5	55°	618.8	567.6	571.2	640.8	867.8	5208.7	12218.8	15067.6
574.9	57.5°	567.6	519.9	519.9	578.5	818.4	4514.8	13192.8	18048.1
516.3	60°	510.8	479.7	470.5	529.1	862.3	3185.6	13306.3	19970.5
441.2	62.5°	448.5	432.1	419.3	481.5	895.3	1887.6	12392.7	19505.4
347.9	65°	377.1	373.5	364.3	529.1	754.3	1115.0	10638.8	18079.2
296.6	67.5°	316.7	311.2	311.2	554.7	573.0	701.2	8311.9	16116.6
252.7	70°	272.8	252.7	252.7	419.3	347.9	485.2	5803.7	13998.4
208.7	72.5°	228.9	206.9	192.2	335.0	260.0	355.2	3626.8	11988.1
159.3	75°	183.1	166.6	148.3	221.5	194.1	269.1	2107.3	9932.1
100.7	77.5°	131.8	124.5	104.4	162.9	141.0	194.1	1254.1	7663.8
62.2	80°	67.7	69.6	65.9	93.4	95.2	131.8	714.0	5245.3
40.3	82.5°	40.3	31.1	34.8	45.8	54.9	75.1	269.1	3083.1
29.3	85°	25.6	16.5	16.5	22.0	27.5	29.3	82.4	1250.4
14.6	87.5°	12.8	5.5	7.3	11.0	9.2	7.3	3.7	314.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)