

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: McGRAW-EDISON

Report Number: P939225

Luminaire Tested: **GALN-SB1D-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

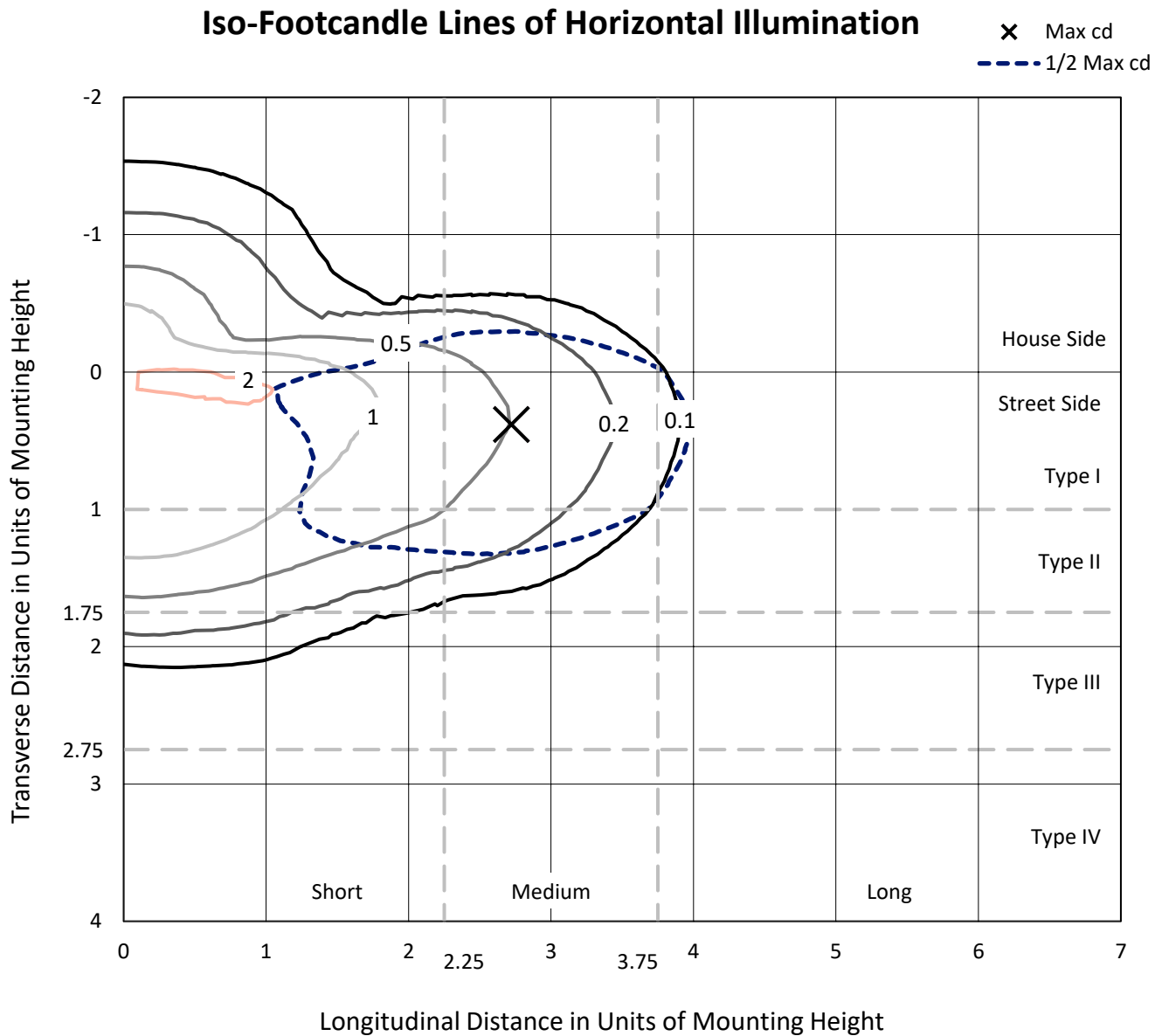
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8332 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 79.6
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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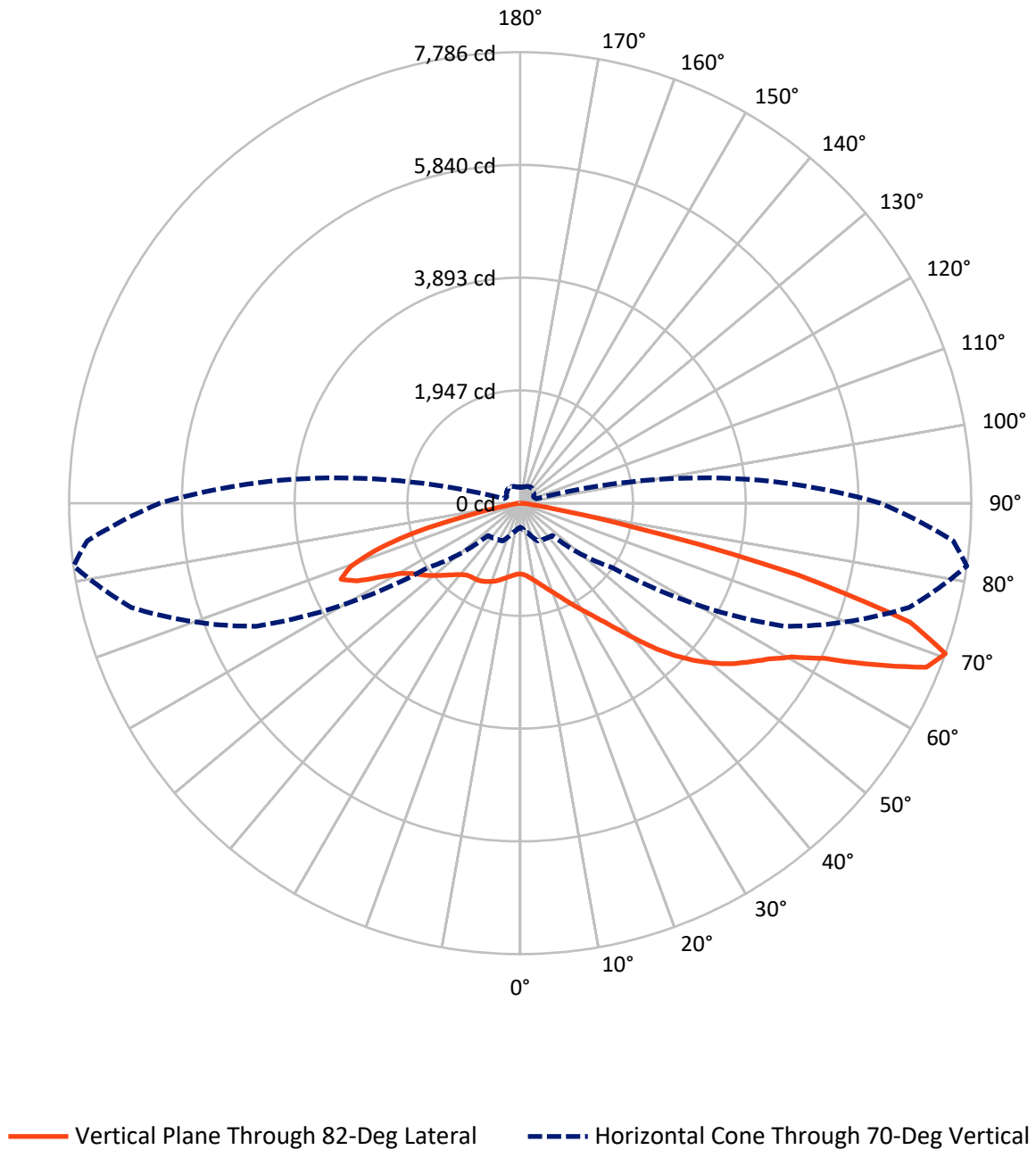


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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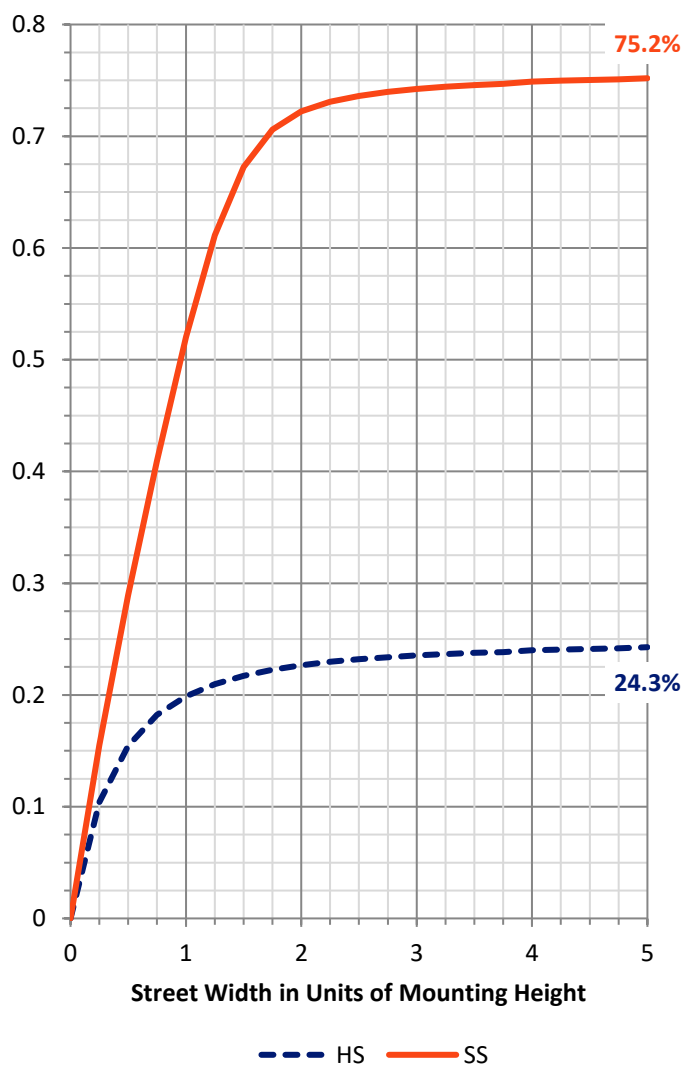
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2054.0	0.0	2054.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6277.9	0.0	6277.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	8332.0	0.0	8332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	1.4
10°-20°	331.4	4.0
20°-30°	554.4	6.7
30°-40°	866.0	10.4
40°-50°	1379.3	16.6
50°-60°	1919.4	23.0
60°-70°	2007.8	24.1
70°-80°	1049.4	12.6
80°-90°	109.0	1.3
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°-90°	8332.0	100.0
0°-180°	8332.0	100.0

Coefficient of Utilization



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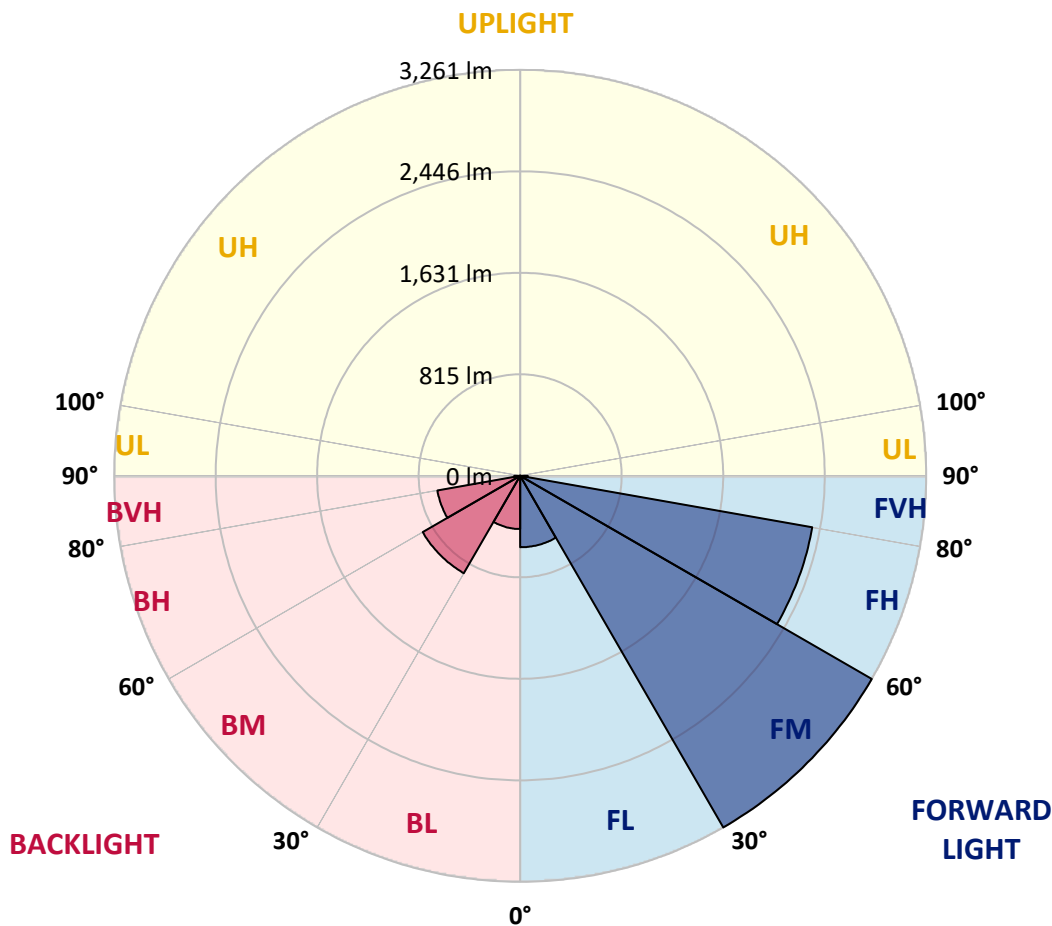
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	573.8	6.9			
FM	(30°-60°)	3261.1	39.1			
FH	(60°-80°)	2382.1	28.6			G2/5000
FVH	(80°-90°)	61.0	0.7			G1/100
BL	(0°-30°)	427.3	5.1	B1/500		
BM	(30°-60°)	903.7	10.8	B1/1000		
BH	(60°-80°)	675.1	8.1	B2/1000		G2/1000
BVH	(80°-90°)	48.0	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6
2.5°	1250.8	1257.8	1255.6	1253.4	1253.4	1250.3	1249.9	1245.4	1241.9	1236.2	1234.8
5°	1266.7	1274.2	1273.3	1275.1	1280.8	1282.1	1283.5	1280.8	1273.7	1266.7	1263.6
7.5°	1252.5	1260.9	1263.6	1274.2	1291.9	1307.8	1319.7	1324.6	1318.0	1307.8	1302.9
10°	1204.8	1214.1	1223.3	1248.5	1279.9	1317.5	1349.3	1368.4	1367.0	1357.3	1348.9
12.5°	1108.0	1117.7	1137.6	1186.6	1244.1	1310.4	1369.7	1409.5	1423.2	1416.1	1401.5
15°	1030.6	1039.0	1054.0	1104.4	1179.1	1279.9	1377.2	1454.6	1489.5	1485.5	1467.8
17.5°	1028.4	1031.9	1041.2	1065.1	1122.5	1232.2	1369.2	1498.8	1565.5	1565.1	1543.0
20°	1067.3	1068.6	1073.9	1078.8	1111.5	1195.9	1348.9	1535.5	1650.9	1650.9	1627.0
22.5°	1121.2	1120.3	1125.6	1121.2	1137.1	1192.8	1336.1	1567.8	1745.9	1753.0	1722.9
25°	1202.1	1197.7	1196.4	1186.2	1189.3	1221.6	1350.2	1604.5	1858.7	1873.3	1835.7
27.5°	1310.0	1302.9	1298.1	1274.6	1266.7	1280.8	1393.6	1648.7	1984.2	2009.4	1961.7
30°	1450.6	1437.8	1430.7	1390.0	1361.3	1363.5	1459.0	1707.5	2115.5	2156.2	2095.6
32.5°	1642.5	1622.6	1603.6	1536.8	1484.2	1467.0	1543.4	1788.8	2257.9	2322.9	2245.1
35°	1857.3	1841.4	1821.1	1718.1	1637.2	1597.4	1657.5	1902.4	2424.6	2527.6	2426.4
37.5°	2064.3	2050.5	2060.3	1921.5	1817.1	1759.2	1806.9	2055.0	2630.2	2782.3	2653.6
40°	2278.2	2267.6	2269.0	2136.3	2014.7	1949.7	1988.2	2246.4	2865.8	3085.1	2926.8
42.5°	2510.8	2502.8	2476.3	2358.7	2222.1	2161.5	2196.9	2467.5	3118.7	3430.0	3226.6
45°	2771.2	2766.3	2741.6	2606.7	2450.2	2382.1	2429.9	2711.5	3372.9	3754.5	3527.7
47.5°	2996.2	3000.2	2997.1	2883.5	2721.2	2621.3	2678.4	2966.2	3609.5	4059.5	3816.4
50°	3104.6	3125.3	3155.8	3120.5	3019.7	2918.0	2929.0	3212.0	3834.9	4345.6	4093.1
52.5°	3048.0	3087.3	3170.4	3227.0	3265.9	3244.7	3215.1	3456.0	4047.2	4603.8	4354.9
55°	2837.1	2892.3	3030.3	3166.9	3365.4	3519.7	3558.6	3726.6	4254.1	4831.0	4602.5
57.5°	2452.9	2542.6	2666.4	2942.7	3277.0	3652.8	3959.2	4102.0	4473.4	5073.8	4861.5
60°	1794.1	1914.4	2068.2	2479.4	2967.5	3581.6	4300.1	4678.5	4785.1	5388.1	5198.9
62.5°	1148.2	1222.5	1363.9	1751.2	2312.3	3216.9	4404.4	5399.2	5313.4	5903.6	5704.7
65°	786.1	833.8	963.4	1180.9	1494.8	2394.5	4125.0	5939.4	6152.5	6720.7	6569.4
67.5°	571.2	607.5	718.0	908.6	974.0	1417.0	3200.9	5914.7	6968.2	7562.4	7327.2
70°	416.5	442.1	535.0	718.0	749.4	788.3	1939.1	5027.8	6950.6	7786.2	7504.5
72.5°	308.6	326.3	388.6	557.1	606.6	532.3	959.8	3654.1	5972.6	7042.5	6816.6
75°	223.3	236.5	282.5	426.2	485.4	405.4	478.8	2135.4	4166.1	4953.9	4993.7
77.5°	170.7	180.8	210.9	312.1	388.6	304.2	297.1	982.4	1975.4	1985.1	2096.5
80°	137.1	143.7	160.0	219.7	298.0	227.7	193.6	396.6	624.3	528.3	554.4
82.5°	100.8	111.9	135.3	154.3	213.1	157.0	118.0	200.3	237.4	204.3	206.0
85°	57.5	65.0	81.8	110.5	136.2	95.9	67.6	88.9	110.5	90.6	80.9
87.5°	20.3	26.5	28.7	43.3	59.2	39.8	26.1	25.6	36.3	27.0	22.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6	1221.6
2.5°	1230.4	1228.2	1219.4	1207.4	1195.0	1183.1	1179.1	1170.7	1165.0	1161.9	1165.4
5°	1255.2	1248.1	1227.3	1200.8	1172.9	1142.9	1121.7	1102.2	1088.1	1074.8	1080.1
7.5°	1290.5	1278.2	1242.4	1195.9	1146.4	1096.5	1059.3	1031.0	1012.0	999.6	1002.3
10°	1331.7	1312.7	1257.8	1188.4	1111.9	1040.3	996.5	972.2	960.3	953.7	955.4
12.5°	1379.0	1352.0	1273.7	1171.2	1059.3	977.5	947.5	940.4	940.8	941.3	942.2
15°	1437.3	1399.7	1286.6	1133.6	990.8	929.3	924.0	935.5	947.5	953.2	952.8
17.5°	1503.2	1450.2	1288.8	1071.7	923.6	898.4	915.2	939.9	958.1	966.0	967.8
20°	1573.9	1501.4	1272.9	984.2	868.3	873.2	903.2	935.1	955.0	965.1	967.8
22.5°	1654.9	1556.3	1234.8	892.2	823.2	845.8	881.1	912.1	932.9	943.0	945.7
25°	1747.3	1617.7	1175.2	814.8	784.3	814.8	850.2	875.8	892.6	901.9	904.6
27.5°	1849.8	1681.8	1095.6	753.4	750.3	783.0	812.2	832.1	840.9	848.0	850.6
30°	1952.8	1740.2	999.2	706.9	720.7	751.6	772.4	781.2	783.9	785.2	788.3
32.5°	2064.3	1790.6	897.9	668.5	692.4	721.1	733.5	737.5	725.1	716.7	719.3
35°	2199.1	1844.5	798.9	638.0	664.5	689.3	693.2	689.7	675.1	657.9	658.8
37.5°	2365.8	1911.7	719.8	616.3	638.4	654.8	649.9	649.0	650.4	630.0	631.3
40°	2570.0	1999.3	661.9	599.5	617.2	620.7	607.0	614.5	621.2	590.2	591.1
42.5°	2796.8	2104.9	625.2	588.0	599.5	591.1	569.9	578.3	577.4	536.7	536.3
45°	3028.1	2219.9	612.3	579.6	583.2	566.4	542.9	545.1	526.6	489.9	491.2
47.5°	3258.0	2343.2	620.3	572.5	562.8	543.8	525.7	516.0	488.5	461.1	461.1
50°	3483.5	2472.8	649.5	558.4	535.0	523.9	510.6	493.4	464.2	440.8	439.0
52.5°	3692.6	2603.2	682.2	535.0	500.0	506.7	498.3	478.4	449.6	425.8	426.2
55°	3890.6	2733.6	695.0	502.7	467.3	491.6	486.8	450.1	415.6	396.1	394.4
57.5°	4106.4	2890.6	680.9	461.6	440.8	474.4	455.8	415.1	395.3	380.7	379.3
60°	4405.3	3136.8	650.4	410.7	415.6	448.8	416.9	400.1	378.5	362.1	361.2
62.5°	4901.8	3596.2	601.3	360.3	386.0	410.7	398.3	381.5	359.4	343.5	343.5
65°	5635.7	4234.6	508.9	321.0	352.8	373.6	378.5	361.7	338.7	321.9	322.7
67.5°	6254.7	4635.2	385.1	288.3	318.8	343.5	357.2	340.9	316.6	300.2	300.6
70°	6220.6	4344.3	294.0	256.0	288.7	313.9	331.6	318.8	292.7	277.2	278.5
72.5°	5525.2	3634.2	237.9	223.3	258.2	283.0	304.2	294.5	267.9	252.9	252.9
75°	4059.1	2579.8	190.1	190.1	220.2	250.7	274.1	267.9	243.6	233.0	229.9
77.5°	1711.0	1082.3	149.0	157.8	183.0	215.3	244.5	246.7	225.5	238.7	216.6
80°	454.9	298.4	113.6	124.2	143.7	177.7	212.7	211.8	188.8	176.4	164.0
82.5°	173.3	117.6	80.9	87.5	103.9	136.2	168.4	173.8	150.8	130.4	130.4
85°	66.8	50.4	50.0	52.6	60.6	90.2	127.3	131.8	113.6	96.4	99.5
87.5°	17.2	15.0	18.6	17.7	27.9	48.2	72.9	75.6	69.4	40.2	57.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)