

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634798

Luminaire Tested: GWS-SA3C-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-740-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

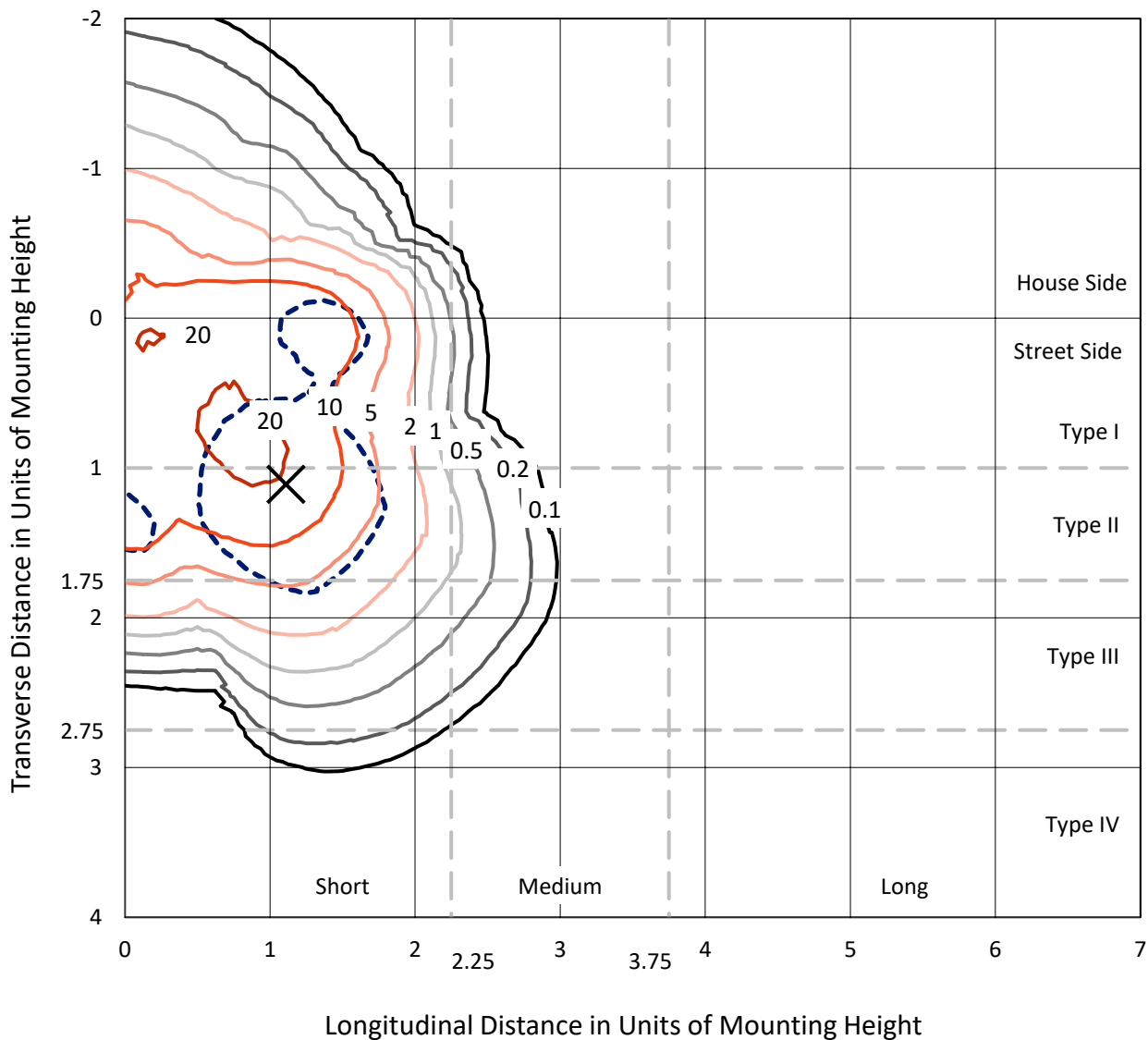
Lumens per Lamp: N/A  
Luminaire Lumens: 7442 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

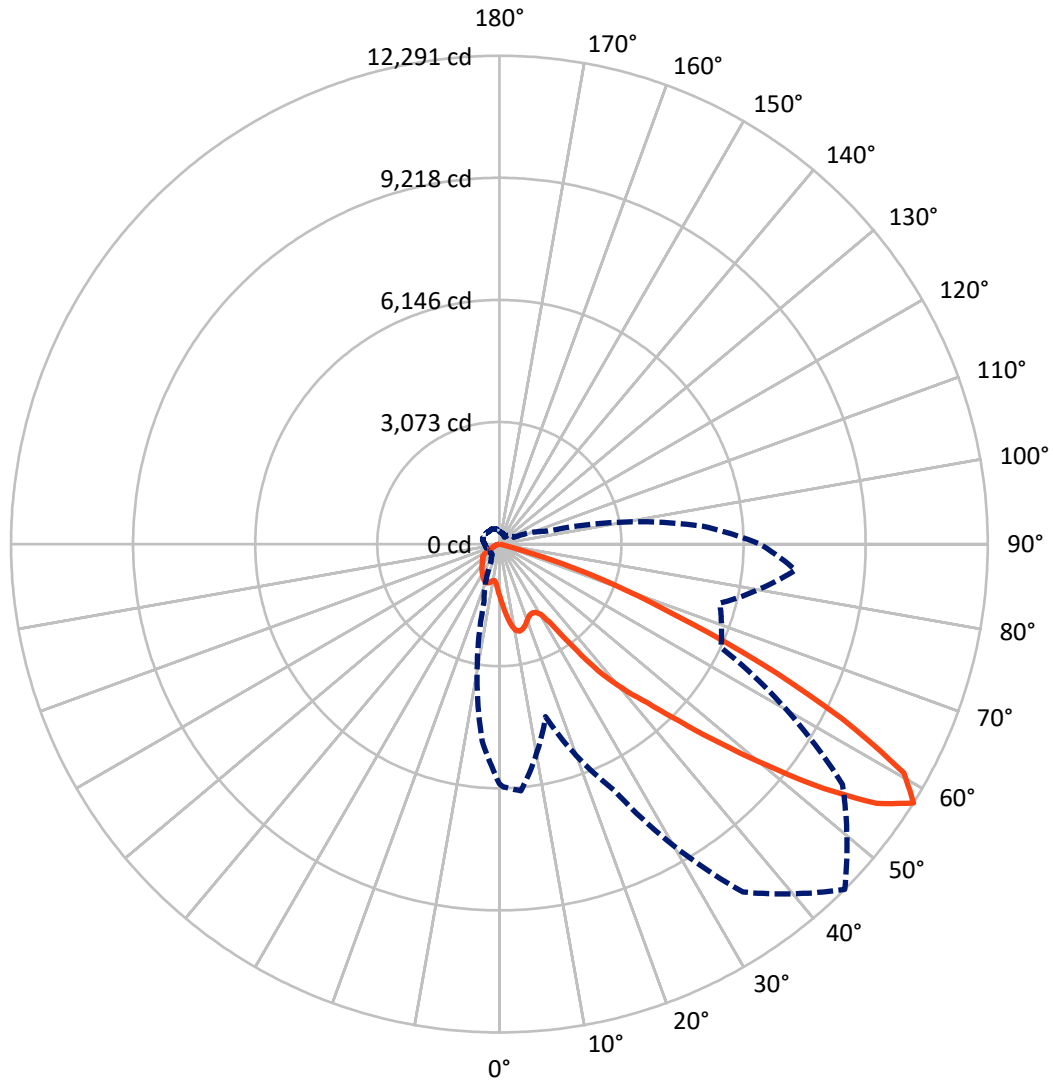
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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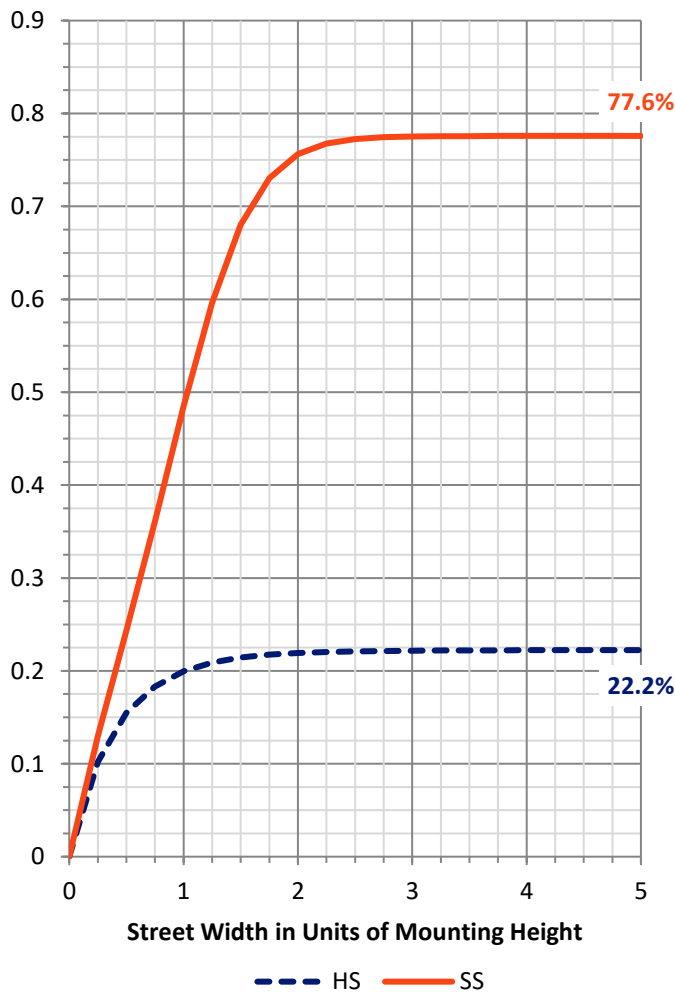
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1666.4	0.0	1666.4
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	5775.5	0.0	5775.5
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	7442.0	0.0	7442.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.7	1.7
10°-20°	416.3	5.6
20°-30°	676.2	9.1
30°-40°	1044.8	14.0
40°-50°	1675.4	22.5
50°-60°	2289.8	30.8
60°-70°	1109.0	14.9
70°-80°	101.5	1.4
80°-90°	0.3	0.0
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°	7442.0	100.0
0°-180°	7442.0	100.0

**Coefficient of Utilization**



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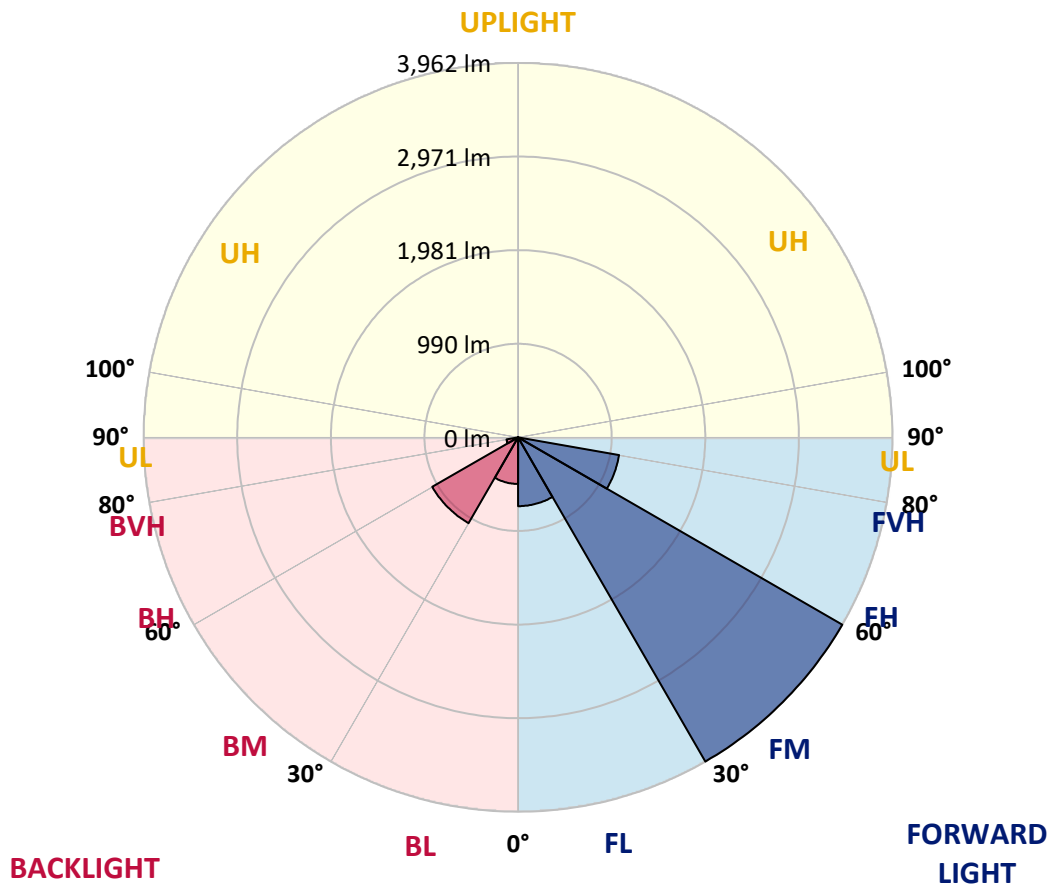
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	728.0	9.8			
FM (30°-60°)	3961.5	53.2			
FH (60°-80°)	1085.6	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	493.1	6.6	B1/500		
BM (30°-60°)	1048.5	14.1	B2/2500		
BH (60°-80°)	124.9	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0
2.5°	1417.0	1426.0	1441.0	1473.0	1500.0	1518.0	1526.0	1524.0	1513.0	1505.0	1489.0
5°	1569.0	1569.0	1598.0	1671.0	1727.0	1762.0	1780.0	1769.0	1747.0	1712.0	1658.0
7.5°	1702.0	1707.0	1756.0	1860.0	1945.0	1995.0	2024.0	2018.0	1979.0	1912.0	1804.0
10°	1806.0	1812.0	1877.0	2004.0	2104.0	2155.0	2198.0	2202.0	2159.0	2070.0	1946.0
12.5°	1907.0	1913.0	1981.0	2103.0	2191.0	2212.0	2250.0	2265.0	2254.0	2191.0	2062.0
15°	2016.0	2030.0	2088.0	2179.0	2216.0	2191.0	2216.0	2243.0	2280.0	2274.0	2158.0
17.5°	2123.0	2133.0	2192.0	2224.0	2183.0	2118.0	2130.0	2162.0	2246.0	2328.0	2253.0
20°	2222.0	2236.0	2285.0	2243.0	2119.0	2018.0	2019.0	2061.0	2189.0	2361.0	2350.0
22.5°	2326.0	2347.0	2382.0	2264.0	2060.0	1939.0	1944.0	1982.0	2144.0	2392.0	2460.0
25°	2462.0	2482.0	2505.0	2316.0	2041.0	1900.0	1919.0	1954.0	2144.0	2445.0	2596.0
27.5°	2646.0	2660.0	2661.0	2413.0	2074.0	1906.0	1946.0	1986.0	2208.0	2551.0	2778.0
30°	2877.0	2899.0	2870.0	2564.0	2177.0	1986.0	2045.0	2095.0	2346.0	2730.0	3046.0
32.5°	3158.0	3189.0	3150.0	2788.0	2392.0	2262.0	2369.0	2398.0	2566.0	2989.0	3350.0
35°	3488.0	3514.0	3472.0	3098.0	2894.0	2918.0	3112.0	3075.0	3008.0	3308.0	3705.0
37.5°	3850.0	3874.0	3793.0	3568.0	3636.0	3740.0	4050.0	3923.0	3707.0	3719.0	4090.0
40°	4182.0	4208.0	4081.0	4079.0	4219.0	4409.0	4783.0	4608.0	4314.0	4257.0	4451.0
42.5°	4526.0	4544.0	4429.0	4351.0	4669.0	5060.0	5456.0	5220.0	4716.0	4654.0	4903.0
45°	5017.0	5055.0	4850.0	4485.0	5074.0	5809.1	6361.1	5900.1	4990.0	4940.0	5595.0
47.5°	5739.0	5767.1	5349.0	4569.0	5451.0	6742.1	7492.1	6782.1	5231.0	5117.0	6541.1
50°	6336.1	6355.1	5808.1	4661.0	5852.1	7748.1	8781.1	7828.1	5502.0	5410.0	7424.1
52.5°	6776.1	6848.1	6411.1	4850.0	6379.1	8931.1	10208.1	9067.1	5925.1	5976.1	8156.1
55°	6867.1	6965.1	6823.1	4966.0	6843.1	10136.1	11526.1	10176.1	6347.1	6405.1	8402.1
57.5°	6035.1	6113.1	6231.1	4498.0	6832.1	10688.1	12291.1	10544.1	6155.1	5744.1	7481.1
60°	4521.0	4575.0	4789.0	3438.0	6283.1	10200.1	11695.1	9918.1	5382.0	4383.0	5700.0
62.5°	2681.0	2705.0	2976.0	2227.0	5215.0	8784.1	9699.1	8558.1	4253.0	2948.0	3491.0
65°	1029.0	1019.0	1226.0	1099.0	3835.0	6997.1	7214.1	6524.1	2918.0	1351.0	1331.0
67.5°	159.0	152.0	205.0	325.0	2766.0	4849.0	4760.0	4702.0	1828.0	315.0	275.0
70°	36.0	36.0	44.0	96.0	1690.0	2849.0	3049.0	2907.0	1170.0	67.0	36.0
72.5°	17.0	17.0	21.0	41.0	612.0	1174.0	1368.0	1347.0	380.0	22.0	13.0
75°	6.0	7.0	7.0	9.0	37.0	61.0	140.0	100.0	24.0	0.0	0.0
77.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0
2.5°	1454.0	1447.0	1421.0	1386.0	1352.0	1322.0	1291.0	1254.0	1227.0	1196.0	1186.0
5°	1616.0	1572.0	1501.0	1427.0	1359.0	1301.0	1245.0	1185.0	1141.0	1097.0	1082.0
7.5°	1753.0	1688.0	1573.0	1462.0	1369.0	1287.0	1206.0	1124.0	1060.0	1008.0	992.0
10°	1876.0	1801.0	1647.0	1510.0	1393.0	1298.0	1200.0	1097.0	1014.0	952.0	937.0
12.5°	1982.0	1895.0	1710.0	1546.0	1403.0	1294.0	1199.0	1117.0	1042.0	971.0	952.0
15°	2071.0	1975.0	1763.0	1570.0	1388.0	1244.0	1161.0	1148.0	1142.0	1064.0	1027.0
17.5°	2158.0	2050.0	1806.0	1581.0	1346.0	1156.0	1096.0	1155.0	1218.0	1167.0	1120.0
20°	2249.0	2126.0	1850.0	1583.0	1276.0	1057.0	1047.0	1140.0	1220.0	1204.0	1160.0
22.5°	2356.0	2221.0	1905.0	1582.0	1188.0	973.0	1011.0	1111.0	1176.0	1175.0	1140.0
25°	2511.0	2341.0	1979.0	1588.0	1092.0	908.0	971.0	1062.0	1115.0	1113.0	1084.0
27.5°	2677.0	2484.0	2075.0	1603.0	1010.0	870.0	924.0	995.0	1041.0	1039.0	1014.0
30°	2910.0	2649.0	2167.0	1604.0	951.0	850.0	872.0	921.0	965.0	960.0	941.0
32.5°	3193.0	2835.0	2244.0	1547.0	914.0	831.0	818.0	843.0	877.0	870.0	865.0
35°	3535.0	3056.0	2310.0	1422.0	857.0	793.0	758.0	763.0	787.0	791.0	789.0
37.5°	3925.0	3319.0	2392.0	1257.0	780.0	738.0	691.0	687.0	701.0	714.0	724.0
40°	4310.0	3615.0	2503.0	1090.0	710.0	668.0	623.0	613.0	619.0	642.0	663.0
42.5°	4743.0	3958.0	2623.0	947.0	662.0	591.0	548.0	529.0	546.0	583.0	608.0
45°	5367.0	4439.0	2740.0	833.0	642.0	523.0	465.0	463.0	482.0	530.0	558.0
47.5°	6243.1	5061.0	2817.0	744.0	641.0	470.0	401.0	413.0	435.0	482.0	514.0
50°	7097.1	5840.1	2732.0	676.0	620.0	435.0	353.0	377.0	399.0	440.0	473.0
52.5°	7612.1	6259.1	2401.0	612.0	555.0	419.0	306.0	348.0	352.0	389.0	424.0
55°	7558.1	5988.1	1839.0	513.0	459.0	396.0	257.0	314.0	316.0	344.0	374.0
57.5°	6560.1	5141.0	1263.0	416.0	345.0	327.0	212.0	265.0	284.0	301.0	323.0
60°	4889.0	3751.0	563.0	338.0	219.0	221.0	181.0	200.0	229.0	249.0	268.0
62.5°	2881.0	2158.0	229.0	203.0	121.0	139.0	146.0	146.0	164.0	179.0	191.0
65°	1089.0	755.0	93.0	102.0	63.0	65.0	86.0	106.0	120.0	133.0	149.0
67.5°	191.0	132.0	48.0	38.0	37.0	33.0	44.0	69.0	77.0	87.0	94.0
70°	32.0	27.0	20.0	19.0	17.0	18.0	29.0	49.0	54.0	57.0	60.0
72.5°	9.0	8.0	6.0	5.0	4.0	5.0	18.0	38.0	40.0	42.0	45.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.0	27.0	29.0	30.0	33.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	8.0	10.0	8.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0
2.5°	1180.0	1160.0	1149.0	1143.0	1143.0	1135.0	1126.0	1123.0	1136.0	1136.0	1158.0
5°	1063.0	1047.0	1029.0	1018.0	1001.0	1004.0	994.0	993.0	1006.0	1012.0	1035.0
7.5°	982.0	962.0	951.0	944.0	935.0	931.0	922.0	919.0	926.0	936.0	958.0
10°	928.0	925.0	924.0	929.0	929.0	924.0	916.0	911.0	913.0	932.0	957.0
12.5°	942.0	948.0	950.0	958.0	962.0	958.0	952.0	954.0	967.0	1002.0	1039.0
15°	1003.0	998.0	996.0	1000.0	1003.0	999.0	997.0	1012.0	1057.0	1107.0	1149.0
17.5°	1068.0	1036.0	1022.0	1022.0	1024.0	1022.0	1024.0	1053.0	1126.0	1176.0	1207.0
20°	1101.0	1042.0	1020.0	1015.0	1019.0	1020.0	1027.0	1060.0	1140.0	1175.0	1182.0
22.5°	1091.0	1017.0	992.0	988.0	992.0	996.0	1003.0	1031.0	1106.0	1124.0	1121.0
25°	1041.0	968.0	948.0	948.0	957.0	956.0	959.0	979.0	1041.0	1052.0	1047.0
27.5°	978.0	909.0	892.0	902.0	910.0	908.0	909.0	926.0	972.0	975.0	970.0
30°	914.0	854.0	838.0	850.0	861.0	859.0	860.0	877.0	906.0	903.0	896.0
32.5°	849.0	805.0	793.0	800.0	817.0	815.0	819.0	837.0	848.0	835.0	827.0
35°	789.0	766.0	757.0	761.0	774.0	777.0	784.0	796.0	796.0	780.0	766.0
37.5°	733.0	730.0	724.0	719.0	731.0	740.0	750.0	764.0	744.0	721.0	708.0
40°	681.0	694.0	686.0	673.0	680.0	693.0	713.0	724.0	700.0	677.0	655.0
42.5°	633.0	655.0	652.0	636.0	642.0	654.0	677.0	686.0	658.0	632.0	611.0
45°	587.0	618.0	620.0	600.0	606.0	618.0	645.0	648.0	612.0	584.0	569.0
47.5°	547.0	581.0	582.0	567.0	569.0	586.0	611.0	612.0	571.0	545.0	526.0
50°	509.0	548.0	551.0	538.0	540.0	560.0	581.0	577.0	533.0	506.0	489.0
52.5°	463.0	516.0	523.0	517.0	525.0	541.0	554.0	540.0	489.0	462.0	447.0
55°	413.0	482.0	497.0	493.0	502.0	515.0	518.0	509.0	445.0	418.0	404.0
57.5°	355.0	397.0	423.0	415.0	422.0	435.0	444.0	437.0	389.0	368.0	356.0
60°	294.0	322.0	328.0	315.0	309.0	332.0	353.0	344.0	303.0	290.0	276.0
62.5°	215.0	247.0	251.0	234.0	227.0	252.0	270.0	261.0	216.0	202.0	191.0
65°	172.0	202.0	210.0	194.0	190.0	209.0	220.0	198.0	166.0	151.0	139.0
67.5°	113.0	137.0	158.0	157.0	149.0	155.0	147.0	129.0	106.0	98.0	90.0
70°	70.0	84.0	97.0	102.0	101.0	99.0	88.0	75.0	68.0	65.0	61.0
72.5°	54.0	68.0	78.0	81.0	82.0	79.0	70.0	58.0	51.0	47.0	44.0
75°	40.0	51.0	59.0	63.0	65.0	63.0	54.0	46.0	39.0	36.0	33.0
77.5°	14.0	17.0	21.0	23.0	22.0	21.0	19.0	19.0	15.0	14.0	12.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



REPORT NUMBER: P634798  
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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0
2.5°	1183.0	1201.0	1234.0	1264.0	1296.0	1329.0	1365.0	1402.0	1419.0	1417.0
5°	1070.0	1109.0	1163.0	1222.0	1288.0	1359.0	1438.0	1519.0	1554.0	1569.0
7.5°	999.0	1054.0	1125.0	1200.0	1287.0	1388.0	1507.0	1634.0	1685.0	1702.0
10°	1008.0	1072.0	1131.0	1204.0	1297.0	1428.0	1576.0	1727.0	1787.0	1806.0
12.5°	1081.0	1095.0	1111.0	1171.0	1288.0	1458.0	1639.0	1819.0	1888.0	1907.0
15°	1147.0	1082.0	1052.0	1107.0	1256.0	1479.0	1703.0	1918.0	1994.0	2016.0
17.5°	1150.0	1052.0	985.0	1028.0	1204.0	1488.0	1766.0	2019.0	2102.0	2123.0
20°	1113.0	1019.0	933.0	934.0	1133.0	1486.0	1818.0	2110.0	2203.0	2222.0
22.5°	1059.0	980.0	891.0	860.0	1057.0	1482.0	1875.0	2207.0	2308.0	2326.0
25°	999.0	930.0	851.0	804.0	981.0	1486.0	1955.0	2334.0	2445.0	2462.0
27.5°	934.0	875.0	820.0	782.0	917.0	1501.0	2051.0	2496.0	2628.0	2646.0
30°	866.0	822.0	800.0	777.0	877.0	1505.0	2155.0	2685.0	2852.0	2877.0
32.5°	799.0	775.0	776.0	780.0	839.0	1477.0	2250.0	2895.0	3118.0	3158.0
35°	737.0	730.0	750.0	770.0	784.0	1405.0	2333.0	3143.0	3447.0	3488.0
37.5°	684.0	690.0	715.0	735.0	724.0	1303.0	2443.0	3453.0	3815.0	3850.0
40°	633.0	648.0	677.0	686.0	678.0	1184.0	2575.0	3752.0	4134.0	4182.0
42.5°	586.0	597.0	638.0	640.0	665.0	1063.0	2702.0	4074.0	4501.0	4526.0
45°	548.0	546.0	588.0	601.0	682.0	929.0	2826.0	4503.0	4981.0	5017.0
47.5°	511.0	509.0	519.0	578.0	689.0	805.0	2949.0	5131.0	5677.0	5739.0
50°	476.0	479.0	448.0	567.0	651.0	710.0	3005.0	5712.0	6310.1	6336.1
52.5°	445.0	434.0	380.0	531.0	570.0	620.0	2846.0	5976.1	6702.1	6776.1
55°	401.0	340.0	313.0	431.0	450.0	541.0	2331.0	5823.1	6736.1	6867.1
57.5°	343.0	267.0	266.0	318.0	318.0	502.0	1493.0	4975.0	5805.1	6035.1
60°	264.0	207.0	220.0	221.0	204.0	366.0	838.0	3604.0	4292.0	4521.0
62.5°	188.0	158.0	166.0	132.0	117.0	183.0	402.0	2075.0	2649.0	2681.0
65°	126.0	107.0	87.0	73.0	72.0	78.0	166.0	750.0	912.0	1029.0
67.5°	83.0	65.0	46.0	46.0	52.0	52.0	63.0	124.0	174.0	159.0
70°	54.0	45.0	29.0	28.0	34.0	34.0	32.0	34.0	36.0	36.0
72.5°	40.0	34.0	17.0	15.0	19.0	20.0	18.0	17.0	17.0	17.0
75°	30.0	24.0	10.0	7.0	9.0	12.0	10.0	7.0	7.0	6.0
77.5°	12.0	9.0	4.0	3.0	5.0	7.0	6.0	3.0	2.0	2.0
80°	1.0	2.0	2.0	2.0	3.0	4.0	5.0	2.0	1.0	1.0
82.5°	0.0	1.0	1.0	1.0	2.0	3.0	4.0	2.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	2.0	3.0	2.0	1.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.0	3.0	2.0	1.0	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

(END OF REPORT)