

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: P526100

Luminaire Tested: **GALN-SA1A-735-U-SL2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-735-U-SL2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3654 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

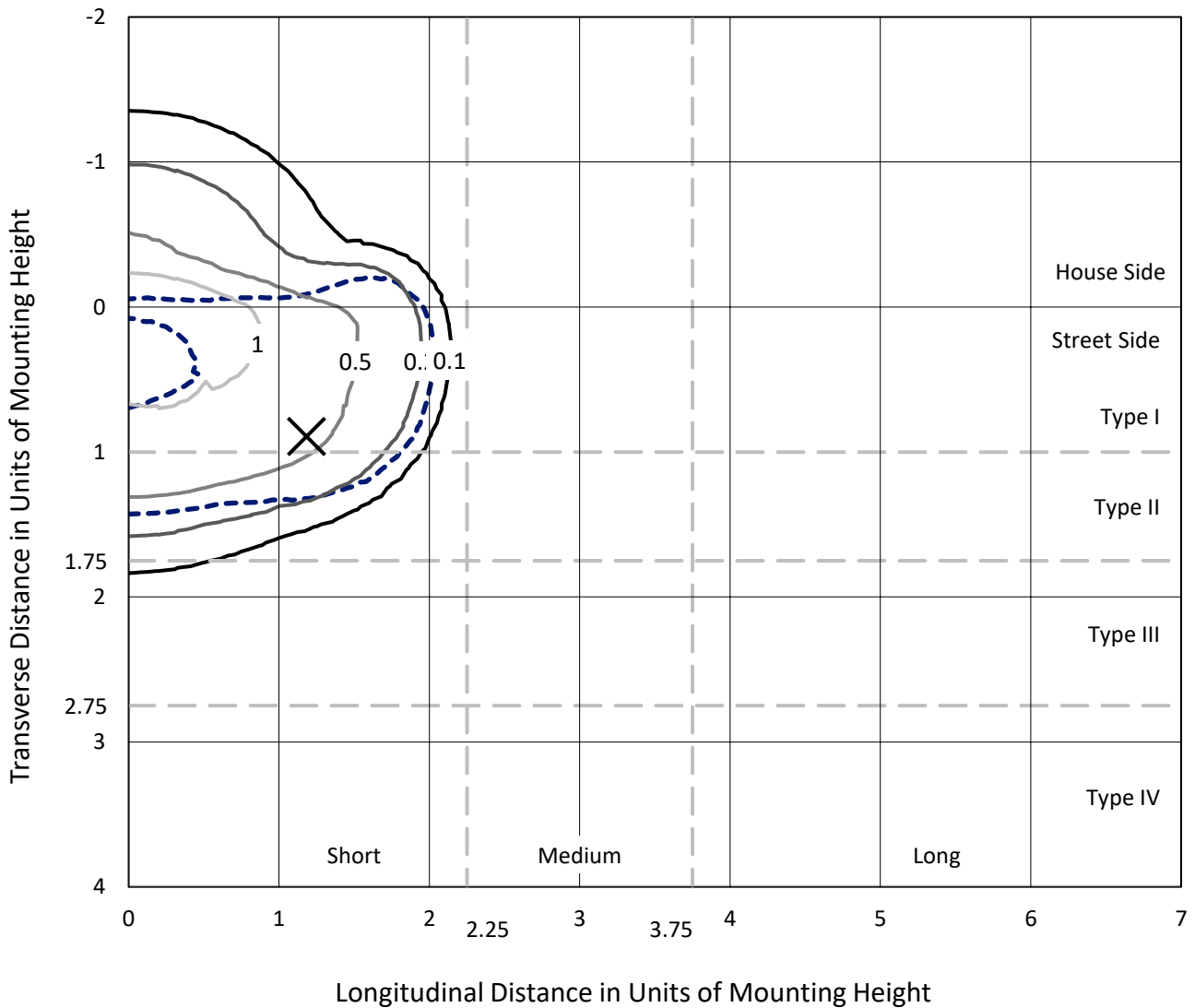
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

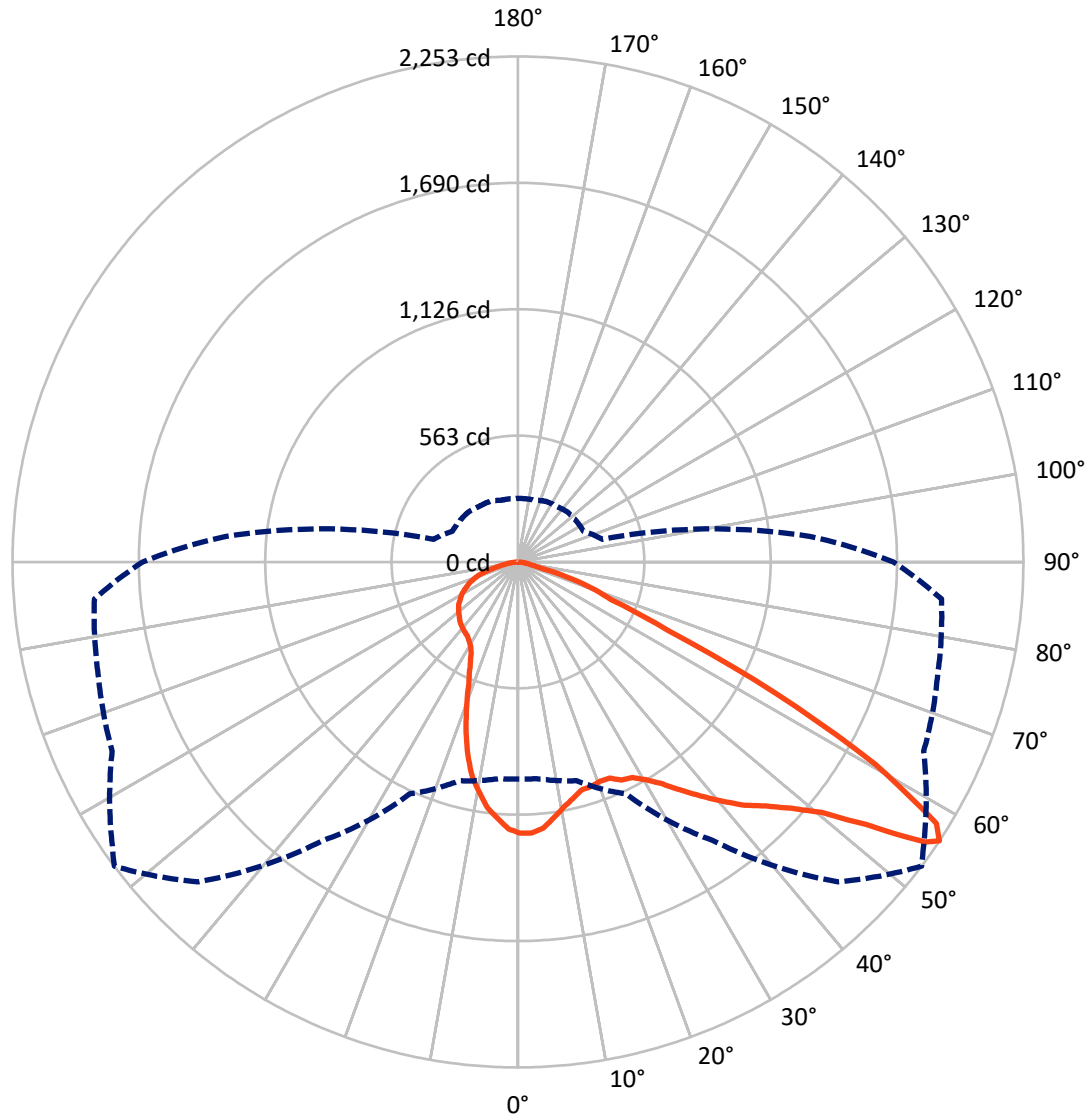
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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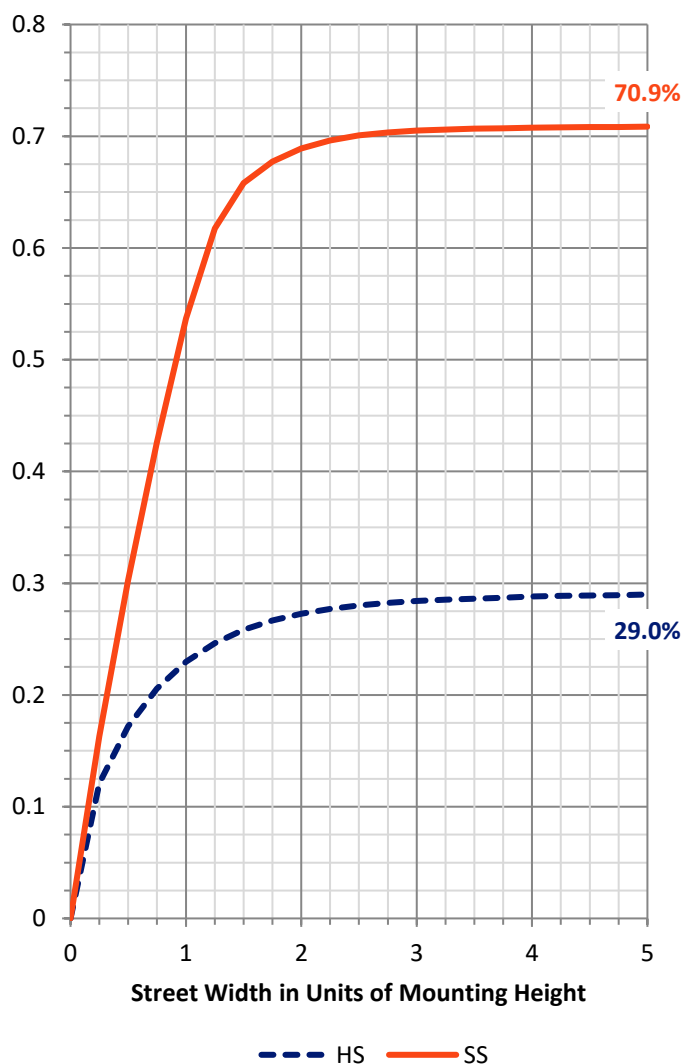
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1066.3	0.0	1066.3
	% Fixture	29.2	0.0	29.2
<b>Street Side</b>	Lumens	2587.7	0.0	2587.7
	% Fixture	70.8	0.0	70.8
<b>Total</b>	Lumens	3654.0	0.0	3654.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.0	2.9
10°-20°	267.3	7.3
20°-30°	394.1	10.8
30°-40°	563.2	15.4
40°-50°	775.1	21.2
50°-60°	916.0	25.1
60°-70°	488.2	13.4
70°-80°	123.8	3.4
80°-90°	19.3	0.5
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°	3654.0	100.0
0°-180°	3654.0	100.0

**Coefficient of Utilization**

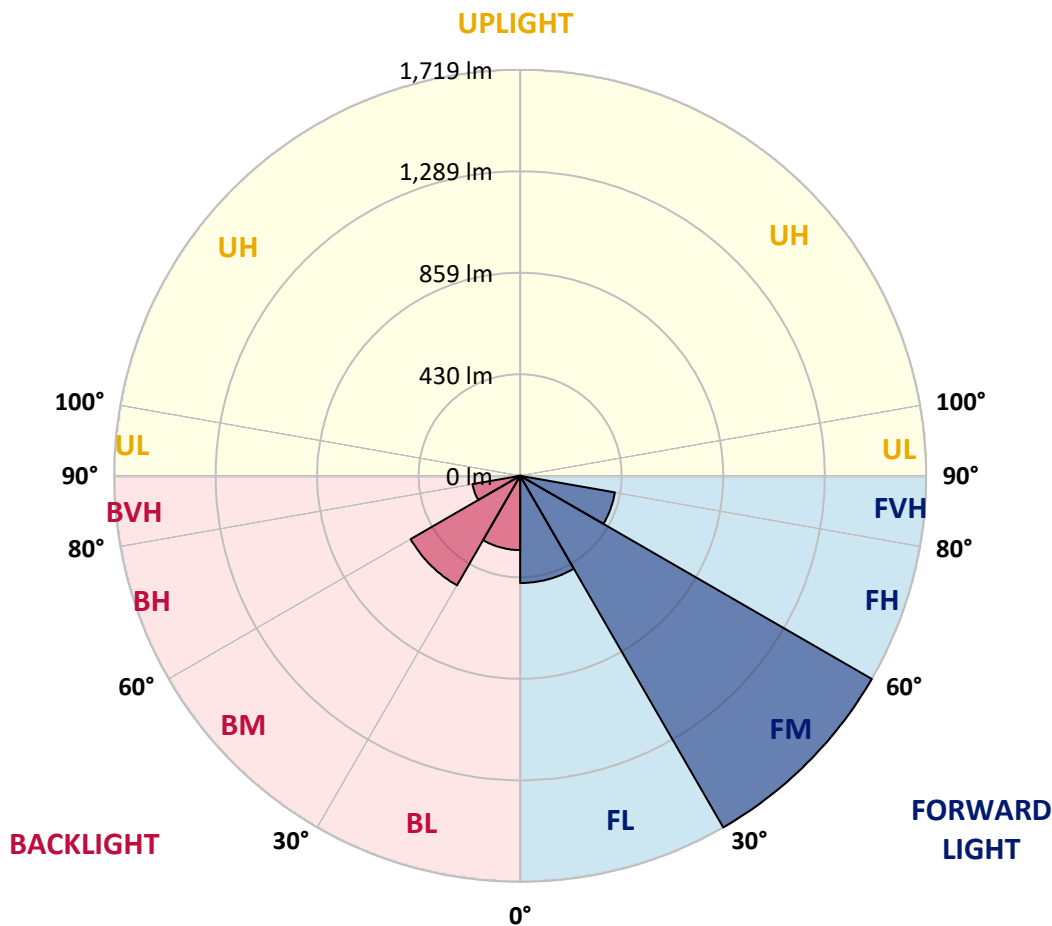


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.0	12.4			
FM (30°-60°)	1718.8	47.0			
FH (60°-80°)	407.2	11.1			G0/660
FVH (80°-90°)	7.8	0.2			G0/10
BL (0°-30°)	314.5	8.6	B1/500		
BM (30°-60°)	535.5	14.7	B1/1000		
BH (60°-80°)	204.8	5.6	B1/500		G1/500
BVH (80°-90°)	11.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9
2.5°	1193.9	1183.6	1189.7	1187.3	1206.5	1212.2	1209.4	1211.7	1222.5	1217.3	1206.5
5°	1115.6	1130.1	1133.0	1140.0	1151.2	1173.3	1190.6	1195.3	1200.4	1224.4	1222.0
7.5°	1044.4	1054.2	1049.0	1069.7	1094.0	1129.7	1150.8	1154.5	1201.9	1215.0	1224.8
10°	999.4	989.5	1013.0	1018.6	1046.2	1087.0	1112.3	1127.8	1170.9	1222.9	1229.0
12.5°	957.6	954.4	968.4	984.4	1015.3	1057.5	1083.3	1089.4	1155.9	1210.8	1239.4
15°	926.7	923.0	937.0	948.7	984.8	1022.3	1055.1	1072.5	1139.5	1203.7	1230.4
17.5°	902.3	901.9	909.8	930.9	968.0	999.4	1052.3	1053.3	1131.1	1214.5	1237.9
20°	900.9	900.5	901.9	925.3	959.0	997.5	1043.4	1051.9	1131.1	1207.0	1238.4
22.5°	912.6	905.1	913.6	928.6	953.0	1000.8	1046.7	1065.5	1158.3	1244.0	1259.5
25°	931.4	933.3	938.0	943.1	957.2	1008.3	1075.8	1091.2	1190.1	1275.9	1288.6
27.5°	965.6	964.7	966.5	969.4	981.5	1015.3	1087.5	1127.3	1256.7	1332.6	1320.0
30°	1015.8	1012.5	1020.0	1029.8	1018.6	1037.8	1126.4	1156.4	1318.6	1389.8	1355.1
32.5°	1061.2	1073.4	1087.5	1091.7	1078.1	1081.9	1178.0	1208.4	1370.1	1460.1	1398.3
35°	1118.0	1127.8	1146.5	1159.7	1157.3	1146.1	1248.3	1288.6	1444.7	1511.7	1443.7
37.5°	1173.3	1185.0	1215.9	1254.8	1233.3	1228.1	1323.3	1356.5	1467.6	1539.4	1477.0
40°	1262.3	1261.9	1315.3	1335.4	1354.7	1345.8	1401.1	1412.3	1479.8	1533.3	1477.9
42.5°	1366.9	1360.3	1414.7	1446.1	1470.9	1471.9	1482.2	1478.4	1485.4	1502.3	1468.1
45°	1466.2	1480.3	1535.1	1591.4	1616.2	1619.0	1550.6	1543.6	1495.3	1493.4	1449.4
47.5°	1587.6	1590.9	1635.9	1710.0	1767.6	1747.9	1639.2	1623.7	1538.4	1552.9	1480.8
50°	1594.7	1619.0	1659.3	1746.5	1923.7	1918.6	1754.0	1725.0	1607.8	1637.3	1568.4
52.5°	1447.5	1441.9	1489.7	1632.2	1912.0	2088.2	1944.3	1875.0	1756.8	1734.3	1710.4
55°	1103.0	1116.1	1158.3	1302.2	1660.3	2090.6	2203.6	2146.8	1916.2	1877.8	1850.1
56°	967.5	969.4	1009.2	1140.5	1515.0	2016.1	2252.8	2206.8	1995.4	1936.8	1894.7
57.5°	802.0	791.2	811.9	883.6	1278.7	1858.6	2198.9	2243.9	2088.2	2000.6	1942.0
60°	631.4	629.1	620.6	633.7	808.1	1400.1	1830.4	1931.7	2078.9	1940.6	1860.0
62.5°	515.6	503.9	520.8	539.5	561.6	868.6	1286.2	1345.8	1650.4	1549.2	1397.3
65°	399.8	394.2	415.3	476.2	489.4	551.7	732.6	778.6	974.5	957.2	842.8
67.5°	275.2	276.1	294.4	387.2	453.7	448.1	448.6	472.5	508.6	377.8	329.1
70°	174.4	173.9	183.7	249.4	365.2	368.9	350.2	343.1	325.3	196.9	208.6
72.5°	112.0	108.7	113.9	137.8	188.9	218.4	225.0	229.2	188.4	154.7	167.8
75°	63.3	60.0	58.1	64.2	74.5	86.2	94.7	97.5	109.2	117.2	124.2
77.5°	19.2	17.3	21.1	28.1	37.0	49.7	60.5	62.3	73.6	83.0	90.0
80°	8.4	9.4	13.1	18.7	26.2	35.2	42.7	45.5	53.0	60.0	61.9
82.5°	5.2	5.6	8.9	12.7	18.3	24.8	30.5	31.4	38.9	44.5	45.9
85°	1.9	2.3	4.7	7.5	11.7	15.9	15.9	17.3	15.9	15.9	17.3
87.5°	0.0	0.0	0.5	0.9	0.9	1.4	1.9	1.9	2.3	2.8	3.3
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°	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9
2.5°	1212.2	1209.8	1206.1	1192.5	1191.1	1186.9	1163.4	1159.7	1163.4	1152.2	1153.1
5°	1209.8	1216.9	1188.7	1175.1	1149.8	1131.5	1110.5	1099.7	1080.5	1068.3	1081.9
7.5°	1220.1	1217.3	1182.2	1152.6	1114.7	1068.3	1031.2	1010.1	976.4	967.0	974.0
10°	1216.4	1201.4	1160.1	1121.2	1049.5	1008.7	948.7	890.6	858.7	842.3	840.0
12.5°	1211.2	1207.0	1138.1	1071.1	995.6	909.8	825.5	770.6	718.6	696.1	699.4
15°	1217.3	1181.7	1096.9	1012.0	911.7	799.2	708.3	637.5	601.4	586.9	586.9
17.5°	1214.5	1169.5	1077.2	945.9	818.9	685.8	585.9	543.3	528.3	528.3	532.5
20°	1215.9	1177.5	1037.3	879.8	709.2	577.5	504.8	489.4	495.9	498.3	500.6
22.5°	1223.9	1151.2	998.4	807.2	607.5	494.1	458.4	458.9	470.6	483.3	480.9
25°	1233.7	1140.9	951.1	735.0	529.7	453.3	442.0	440.6	449.5	456.1	457.0
27.5°	1225.3	1123.1	902.8	645.0	465.9	426.1	423.7	424.7	427.5	440.6	436.4
30°	1252.9	1128.3	842.3	569.5	430.8	417.2	414.4	413.0	417.2	420.9	417.6
32.5°	1287.2	1110.0	797.3	496.9	413.4	410.6	405.0	403.1	405.5	401.7	403.6
35°	1302.2	1106.7	738.7	444.8	399.8	397.5	394.2	393.7	394.2	390.9	388.1
37.5°	1310.6	1122.2	671.7	420.9	391.4	393.7	386.2	385.3	376.9	378.7	380.2
40°	1325.1	1098.3	617.3	398.0	386.2	381.6	375.0	373.6	368.0	364.7	368.0
42.5°	1304.0	1091.2	563.9	388.1	378.7	373.6	368.9	360.9	359.1	356.2	354.4
45°	1287.2	1050.9	516.1	375.9	369.8	367.0	358.1	349.7	342.7	345.5	341.2
47.5°	1299.8	1036.9	468.7	365.6	357.7	354.4	345.5	338.9	331.9	328.6	327.7
50°	1350.4	1063.1	428.9	358.1	347.3	345.5	333.7	326.2	319.7	317.3	318.3
52.5°	1471.4	1134.8	401.7	342.7	337.5	329.1	322.5	313.1	308.9	301.4	306.1
55°	1624.7	1251.5	394.7	328.1	325.3	317.8	308.9	301.9	293.9	287.8	286.4
56°	1673.9	1307.3	389.1	322.5	317.8	313.6	301.9	297.7	285.0	283.6	282.7
57.5°	1713.7	1356.5	390.0	311.7	307.0	303.3	296.2	285.9	277.5	272.3	274.7
60°	1623.7	1269.8	372.2	295.3	294.4	287.3	277.5	272.8	262.5	256.4	255.0
62.5°	1207.0	862.0	301.9	274.2	273.7	266.2	255.0	249.8	248.0	239.5	239.5
65°	695.1	540.5	261.1	256.9	253.1	245.6	234.4	230.2	225.5	222.7	220.3
67.5°	296.7	280.3	237.2	236.7	232.5	223.1	211.9	205.3	199.2	193.6	196.4
70°	215.2	218.4	214.2	211.9	206.7	195.0	185.2	177.2	167.8	164.1	166.9
72.5°	170.6	177.7	183.7	184.2	178.1	164.5	153.7	143.0	132.7	127.5	129.8
75°	129.4	134.1	140.2	141.6	132.7	123.3	113.0	101.7	93.7	87.7	88.6
77.5°	93.3	92.3	98.0	97.0	92.8	86.2	76.9	66.6	57.7	52.0	52.5
80°	63.7	65.2	68.4	68.0	62.8	58.6	51.6	43.1	36.6	31.9	30.9
82.5°	44.5	46.9	49.7	47.3	43.1	38.9	33.7	27.7	22.5	18.7	17.8
85°	15.9	18.3	21.1	22.5	23.9	23.0	19.2	15.5	11.2	9.4	8.9
87.5°	3.3	3.7	4.2	4.2	4.2	3.7	3.3	3.3	2.8	1.4	1.4
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)