

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: P648702

Luminaire Tested: **GLAN-SA1C-835-U-SL2**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1C-835-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5560.1 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

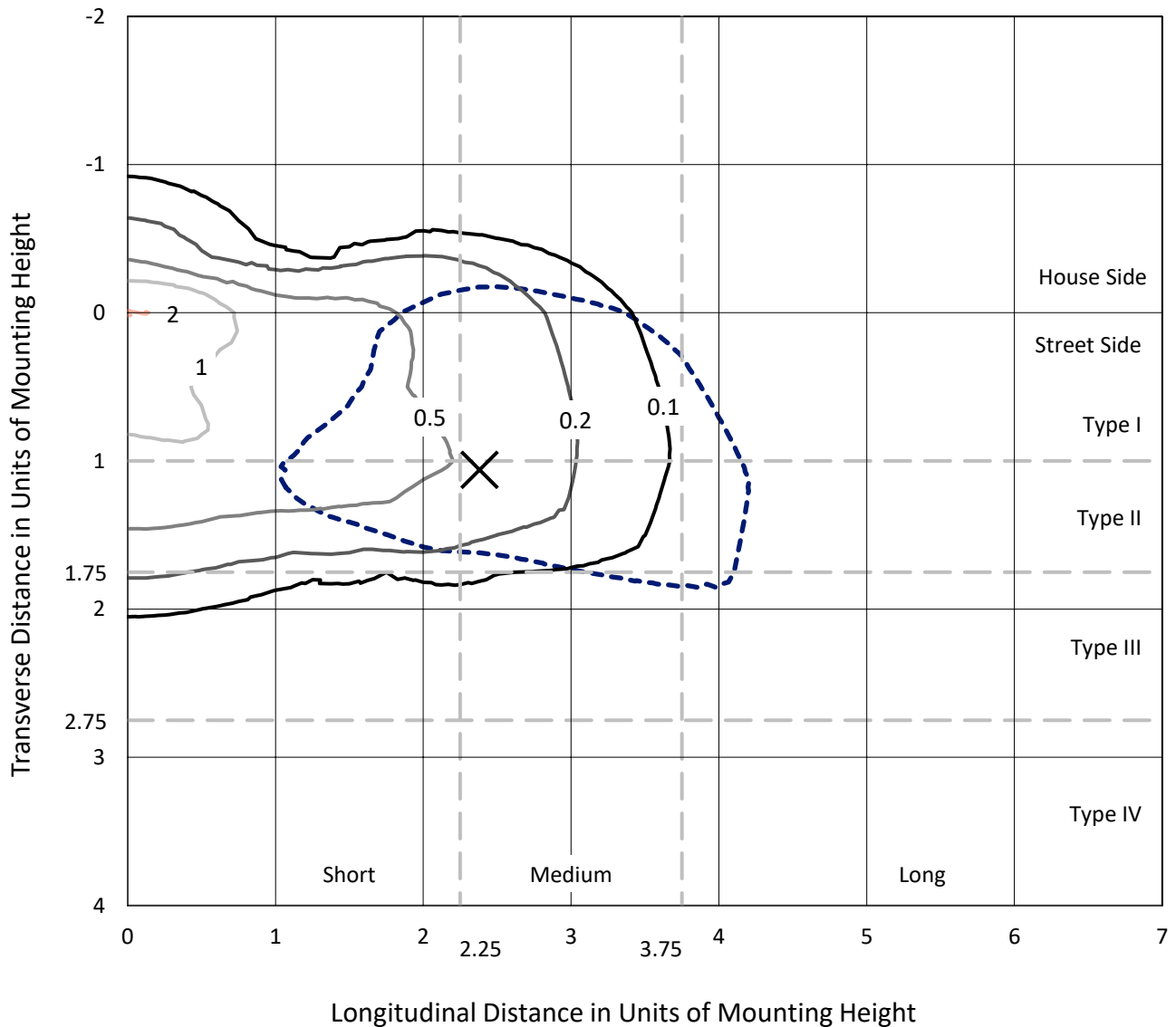
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

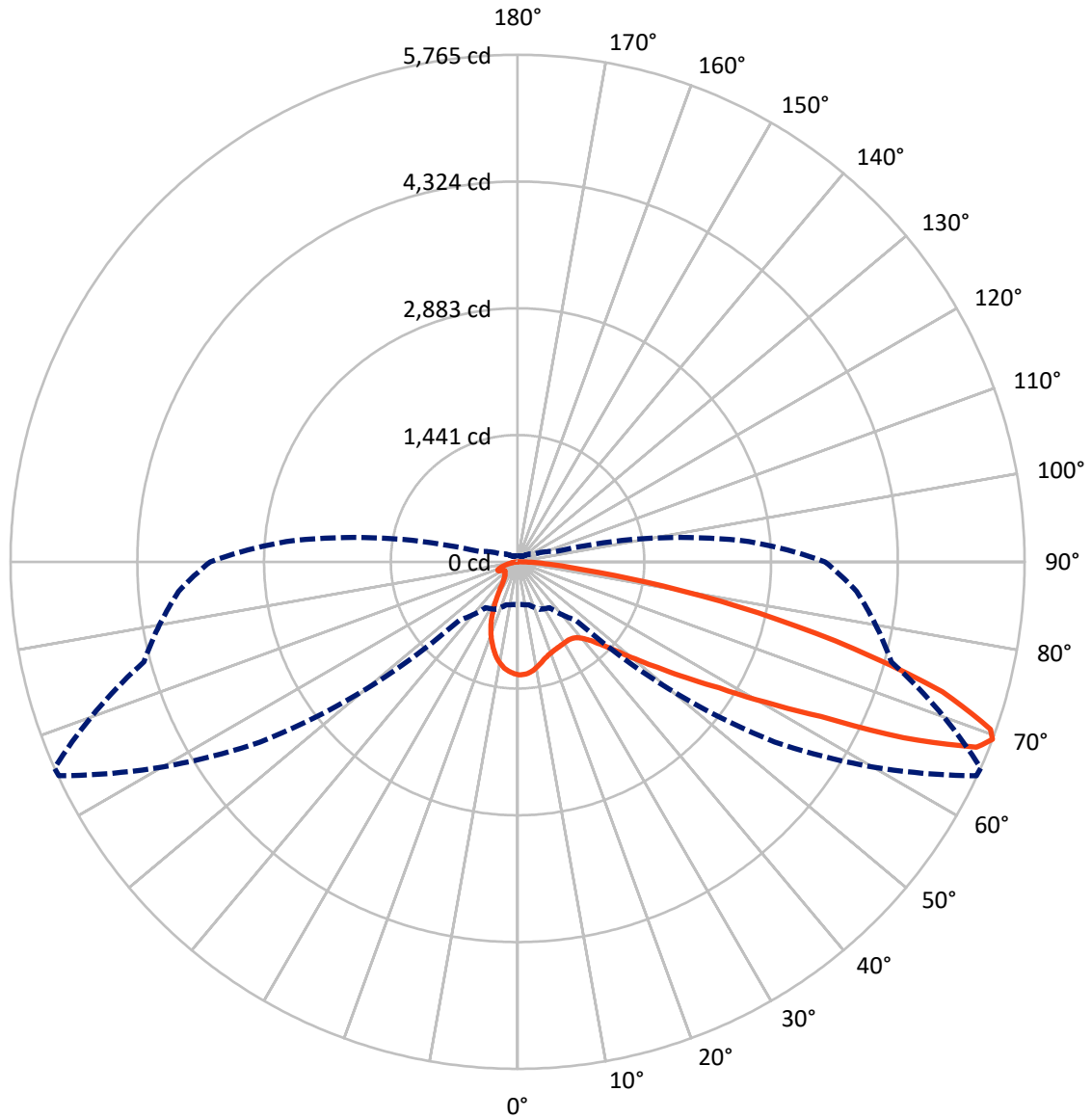
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1045.6	0.0	1045.6
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	4514.4	0.0	4514.4
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	5560.1	0.0	5560.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.5	2.0
10°-20°	264.5	4.8
20°-30°	360.0	6.5
30°-40°	483.8	8.7
40°-50°	722.4	13.0
50°-60°	1149.1	20.7
60°-70°	1413.3	25.4
70°-80°	919.6	16.5
80°-90°	135.8	2.4
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°	5560.1	100.0
0°-180°	5560.1	100.0

**Coefficient of Utilization**

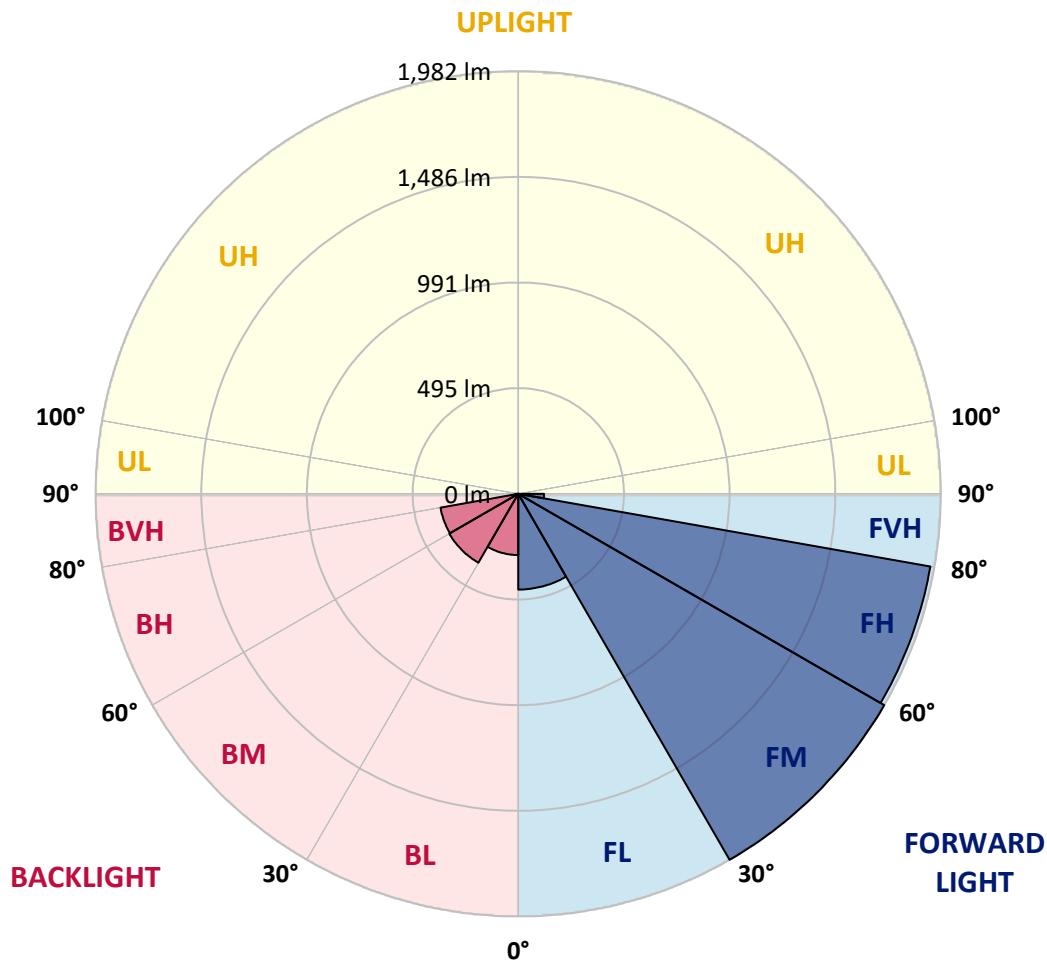


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.0	8.1			
FM (30°-60°)	1982.0	35.6			
FH (60°-80°)	1962.7	35.3			G2/5000
FVH (80°-90°)	120.7	2.2			G2/225
BL (0°-30°)	287.0	5.2	B1/500		
BM (30°-60°)	373.3	6.7	B1/1000		
BH (60°-80°)	370.2	6.7	B1/500		G1/500
BVH (80°-90°)	15.1	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-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
2.5°	1239.0	1244.0	1249.5	1255.6	1267.4	1273.8	1278.4	1283.7	1284.3	1287.1	1284.9
5°	1147.6	1153.4	1161.7	1173.4	1191.0	1218.4	1246.7	1269.8	1272.6	1285.5	1289.2
7.5°	1071.2	1074.6	1081.4	1100.2	1125.1	1155.6	1196.8	1243.6	1250.5	1281.2	1292.0
10°	1009.1	1012.4	1020.4	1039.8	1064.4	1102.6	1147.9	1209.5	1215.0	1268.0	1292.6
12.5°	962.5	965.6	974.2	993.3	1021.7	1057.4	1107.2	1172.5	1180.5	1250.5	1286.8
15°	927.2	932.9	940.1	955.7	985.6	1020.1	1068.4	1138.6	1145.1	1232.0	1282.7
17.5°	912.0	914.8	919.7	934.2	956.0	989.9	1038.6	1112.2	1119.8	1219.0	1281.8
20°	912.7	915.4	916.3	924.3	940.1	969.3	1017.4	1091.2	1100.4	1207.6	1283.3
22.5°	933.6	933.9	930.5	927.7	933.9	958.2	1002.2	1075.5	1086.3	1202.7	1284.6
25°	965.9	971.5	966.5	953.6	942.2	953.9	996.4	1066.9	1077.1	1195.6	1283.0
27.5°	1018.3	1019.2	1015.2	997.6	968.1	959.4	993.9	1060.4	1069.0	1190.4	1275.4
30°	1088.4	1085.7	1082.0	1062.6	1016.1	980.7	999.2	1054.6	1063.5	1182.6	1266.1
32.5°	1159.5	1168.2	1164.8	1142.0	1081.7	1022.0	1016.1	1054.0	1061.4	1176.8	1255.9
35°	1235.0	1239.0	1255.1	1243.3	1181.5	1088.8	1047.8	1063.5	1069.3	1177.2	1248.9
37.5°	1294.1	1304.9	1342.5	1352.6	1294.5	1177.2	1099.3	1090.6	1093.1	1192.2	1251.6
40°	1365.6	1384.0	1432.4	1473.9	1435.8	1292.0	1186.7	1140.8	1143.9	1228.5	1269.8
42.5°	1456.1	1469.1	1534.0	1590.4	1584.2	1443.8	1292.6	1223.0	1224.5	1300.9	1320.6
45°	1562.0	1580.5	1653.5	1738.1	1752.6	1615.6	1445.7	1347.4	1346.4	1413.3	1415.4
47.5°	1697.5	1708.9	1781.2	1873.6	1932.1	1831.4	1631.3	1526.0	1516.1	1577.1	1559.6
50°	1822.2	1840.0	1894.9	1995.9	2141.5	2084.3	1875.4	1757.5	1734.4	1791.4	1761.8
52.5°	1874.6	1893.3	1939.5	2064.8	2321.0	2411.2	2185.5	2033.8	1995.2	2038.9	2028.2
55°	1783.7	1808.0	1851.2	2003.5	2399.8	2788.4	2603.7	2353.1	2325.0	2306.2	2309.3
57.5°	1539.5	1562.6	1620.8	1788.9	2305.6	3062.2	3200.7	2763.4	2703.5	2616.9	2631.7
60°	1171.9	1186.4	1216.5	1402.8	2026.3	3133.3	3878.7	3282.3	3244.1	2926.4	2936.8
62.5°	832.3	848.6	869.5	962.5	1483.5	2932.8	4409.5	4006.8	3870.4	3246.9	3236.8
65°	675.9	664.8	690.1	733.4	870.5	2273.0	4529.0	5012.5	4824.6	3669.1	3528.0
67.5°	555.8	544.1	569.0	646.3	662.0	1319.4	4098.5	5665.2	5627.7	4128.1	3823.9
69°	492.0	485.9	507.8	595.8	635.6	936.9	3570.5	5756.1	5765.0	4398.8	3869.5
70°	443.4	445.8	467.1	570.3	623.5	772.5	3051.7	5630.7	5706.4	4534.0	3820.3
72.5°	326.4	331.6	361.2	472.3	612.1	655.5	1816.0	4918.3	5052.2	4541.9	3494.8
75°	228.2	225.7	251.9	355.6	578.2	649.7	1066.6	3803.6	3955.4	3925.8	2936.5
77.5°	149.3	153.3	174.3	251.3	486.5	644.7	695.2	2698.5	2797.0	2625.6	1736.9
80°	105.3	105.0	116.7	171.5	360.9	619.5	569.3	1700.9	1675.9	1031.8	515.1
82.5°	60.4	64.7	78.2	120.7	241.4	545.3	523.7	813.5	742.7	294.0	174.0
85°	33.6	35.1	46.5	73.0	141.0	410.8	457.3	370.1	349.1	122.9	74.9
87.5°	10.8	11.7	19.4	37.0	64.0	193.9	258.9	170.9	157.6	44.3	30.1
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°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
2.5°	1285.8	1289.5	1279.7	1270.1	1261.5	1249.5	1238.7	1229.8	1223.6	1222.7	1219.6
5°	1290.1	1290.5	1271.7	1246.4	1221.8	1194.7	1166.7	1146.6	1127.8	1117.4	1112.2
7.5°	1293.2	1290.5	1256.6	1215.6	1168.2	1118.9	1069.7	1030.3	999.8	987.8	992.4
10°	1292.0	1283.3	1233.8	1168.2	1099.3	1025.7	954.8	899.4	848.6	822.4	823.0
12.5°	1285.2	1271.0	1199.9	1114.9	1013.7	915.1	806.7	731.9	673.1	638.3	627.5
15°	1279.3	1254.8	1160.2	1042.6	916.7	776.0	643.9	551.5	502.2	474.8	474.5
17.5°	1273.2	1239.0	1116.8	965.9	805.2	624.1	485.5	415.1	392.0	394.7	390.1
20°	1266.7	1220.5	1071.5	880.6	669.4	465.6	363.6	335.0	341.5	354.1	356.0
22.5°	1259.4	1200.8	1022.8	786.7	526.5	350.4	295.0	290.6	307.3	327.0	329.8
25°	1247.9	1176.2	961.6	688.5	406.1	282.3	258.3	261.4	277.7	294.3	296.2
27.5°	1232.0	1145.8	899.7	566.0	305.1	242.3	236.2	240.1	248.2	258.3	260.8
30°	1210.4	1111.2	828.6	460.0	244.5	222.3	219.9	222.0	226.6	230.9	232.2
32.5°	1188.8	1078.0	756.8	352.3	218.0	209.1	206.6	206.6	206.6	207.3	207.5
35°	1168.8	1046.6	679.9	274.4	204.1	198.6	195.2	191.5	190.9	188.8	188.8
37.5°	1157.7	1018.0	598.0	229.7	193.9	190.0	185.3	179.2	175.8	176.1	175.5
40°	1159.9	999.2	523.4	204.4	185.6	181.3	174.3	167.2	165.1	165.1	164.4
42.5°	1184.2	993.0	452.0	191.2	177.7	172.7	163.8	157.3	156.1	155.8	156.4
45°	1240.3	1008.1	388.0	182.6	170.9	163.5	154.6	148.7	147.5	147.5	147.2
47.5°	1349.6	1057.0	342.1	177.0	166.0	156.4	147.2	141.3	139.1	138.6	138.6
50°	1519.5	1163.3	307.9	172.1	159.8	149.9	140.4	133.7	130.2	129.9	129.7
52.5°	1755.7	1328.9	294.6	168.4	153.0	143.2	132.7	126.2	121.9	121.0	120.4
55°	2031.9	1560.2	312.8	165.7	146.0	135.5	124.7	117.9	113.9	112.0	111.7
57.5°	2351.8	1837.9	381.8	161.9	139.5	127.2	116.7	109.9	105.6	103.4	102.8
60°	2639.1	2123.3	502.2	159.8	134.0	118.2	107.4	101.3	97.3	95.1	94.8
62.5°	2954.7	2395.5	646.0	165.7	131.5	109.6	98.8	93.3	89.9	87.8	87.8
65°	3291.8	2668.0	741.1	185.3	135.1	102.8	89.6	85.0	81.9	80.3	80.0
67.5°	3519.1	2762.3	610.6	205.7	144.4	95.4	80.6	77.0	75.2	73.6	73.6
69°	3494.5	2643.1	450.5	210.9	147.2	91.8	75.7	73.0	70.5	69.9	69.3
70°	3416.5	2507.3	377.5	207.5	145.0	88.4	72.7	69.3	67.1	66.5	66.2
72.5°	3043.1	2174.5	281.1	180.4	123.5	76.7	64.4	61.3	59.4	58.5	58.5
75°	2528.2	1777.3	219.6	143.5	96.7	64.7	55.1	52.6	51.1	50.5	50.2
77.5°	1417.0	992.4	157.6	112.4	73.3	52.4	46.2	44.0	42.5	41.9	41.9
80°	394.7	283.6	92.7	74.2	49.9	39.7	36.6	35.1	33.0	31.4	32.3
82.5°	148.7	122.9	52.9	44.6	31.7	26.5	25.5	24.4	23.4	21.2	21.2
85°	72.3	59.7	33.9	23.7	17.5	13.9	13.2	12.6	12.0	10.5	10.8
87.5°	25.0	26.5	14.8	8.6	5.2	3.4	2.7	1.6	1.6	1.6	1.6
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)