

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: P648705

Luminaire Tested: **GLAN-SA1C-835-U-SL3-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648705  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1C-835-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4608 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

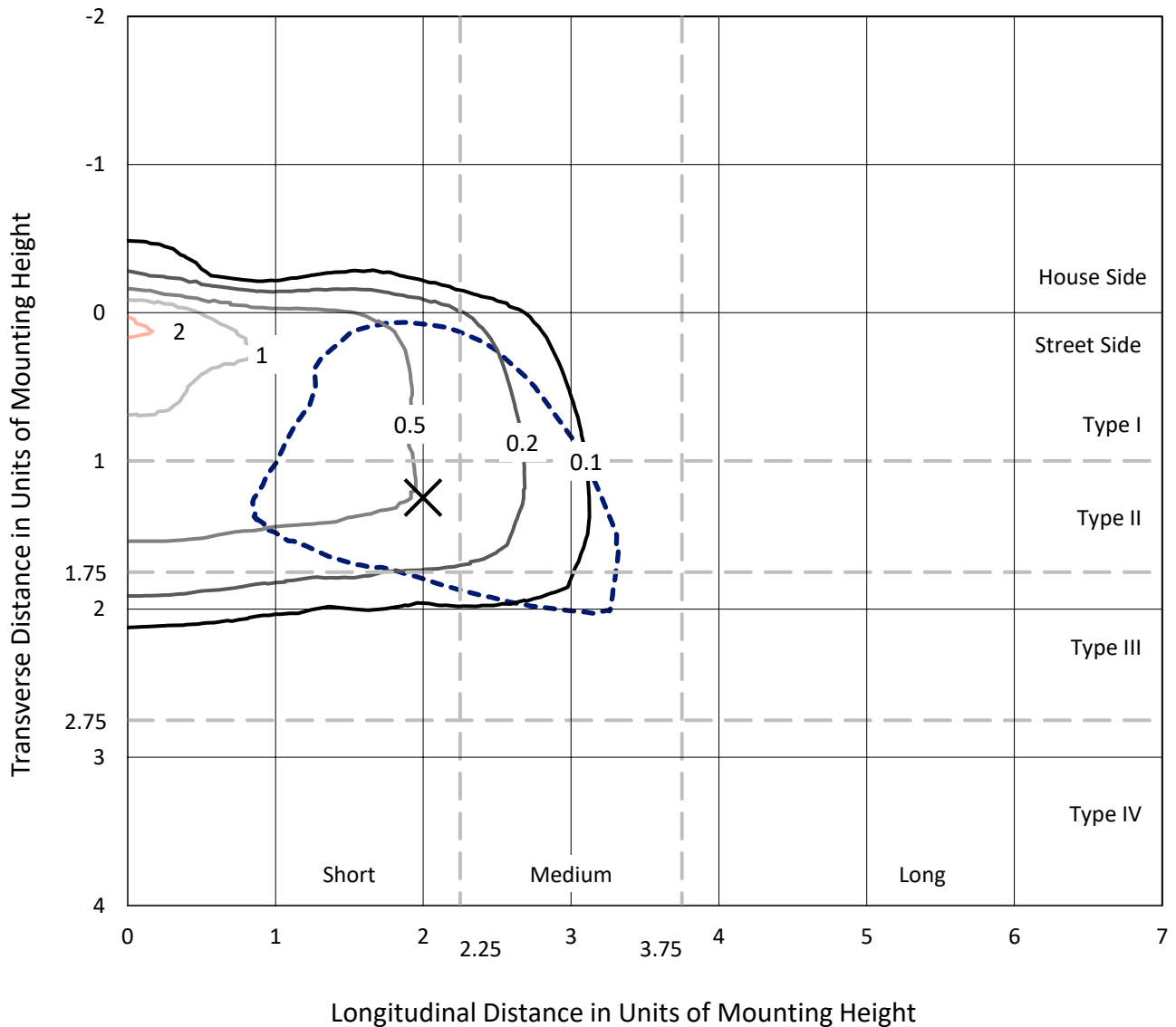
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

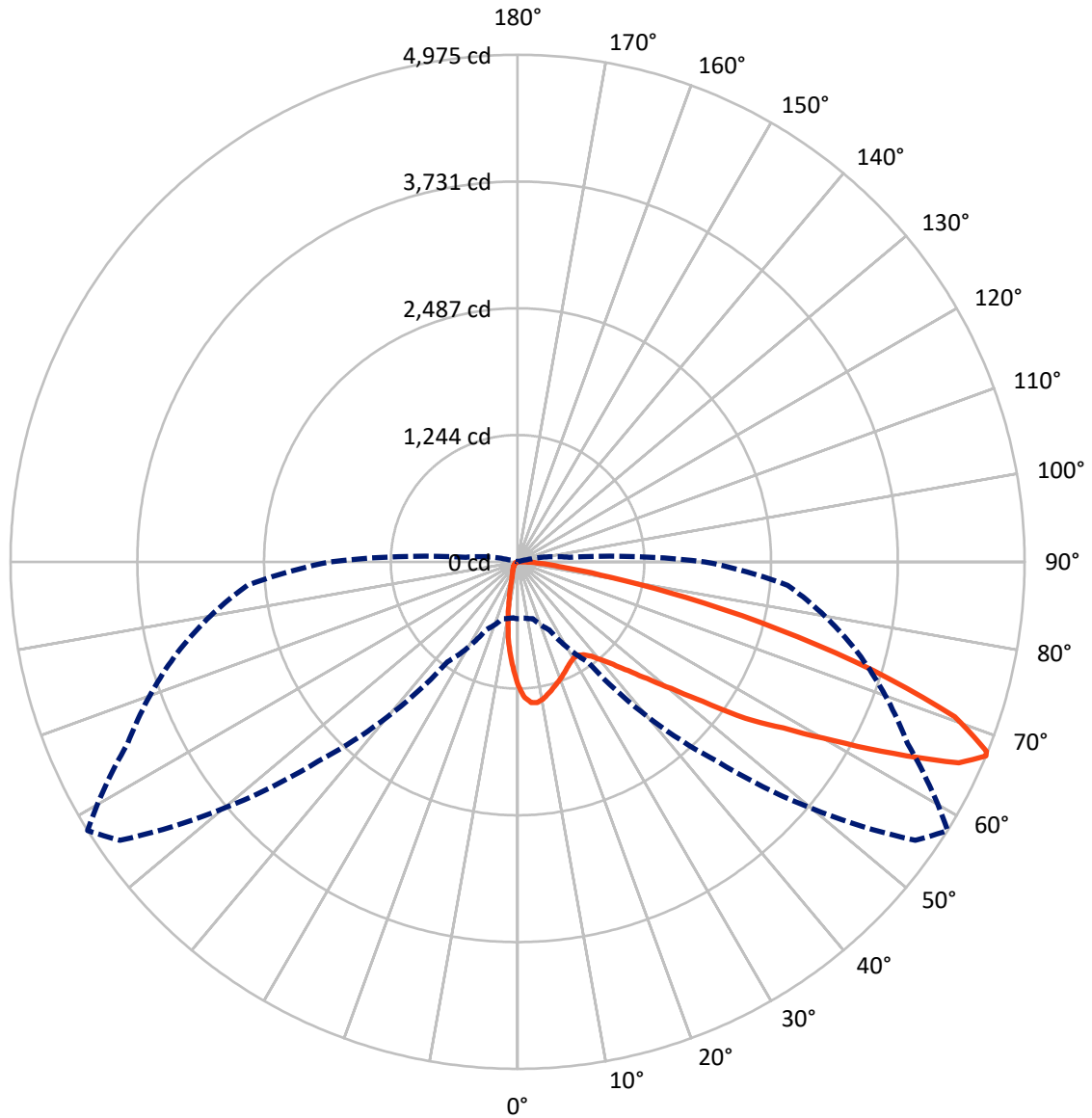
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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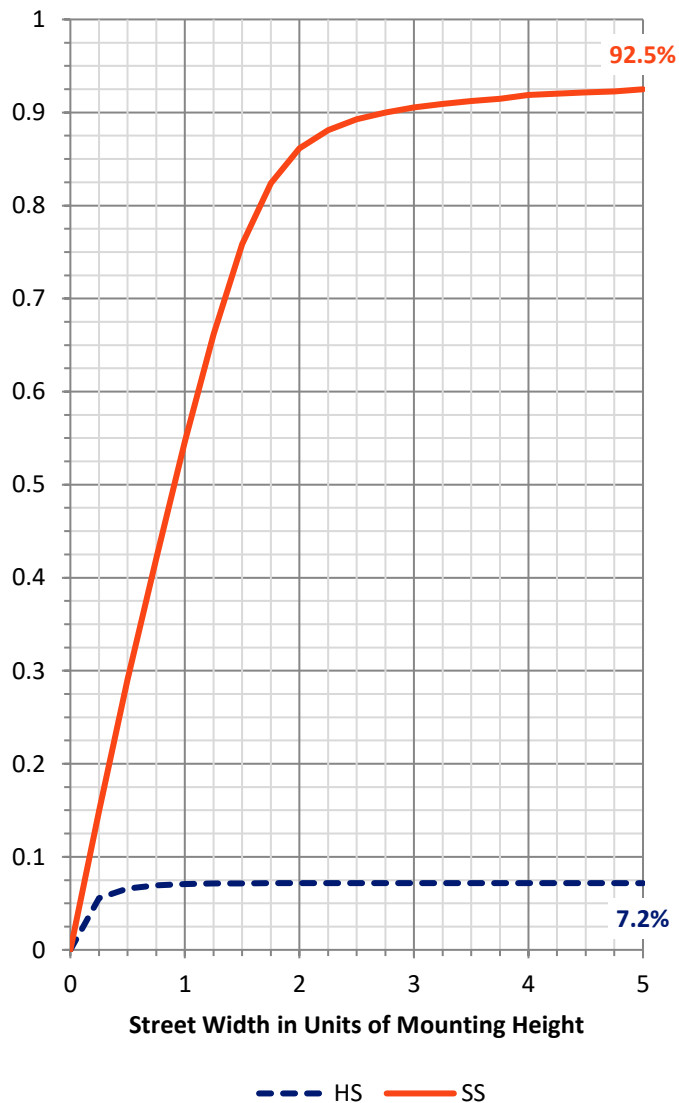
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	332.5	0.0	332.5
	% Fixture	7.2	0.0	7.2
<b>Street Side</b>	Lumens	4275.4	0.0	4275.4
	% Fixture	92.8	0.0	92.8
<b>Total</b>	Lumens	4608.0	0.0	4608.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.1	2.2
10°-20°	214.1	4.6
20°-30°	290.1	6.3
30°-40°	402.3	8.7
40°-50°	641.7	13.9
50°-60°	1109.2	24.1
60°-70°	1267.1	27.5
70°-80°	528.3	11.5
80°-90°	56.0	1.2
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°	4608.0	100.0
0°-180°	4608.0	100.0

**Coefficient of Utilization**

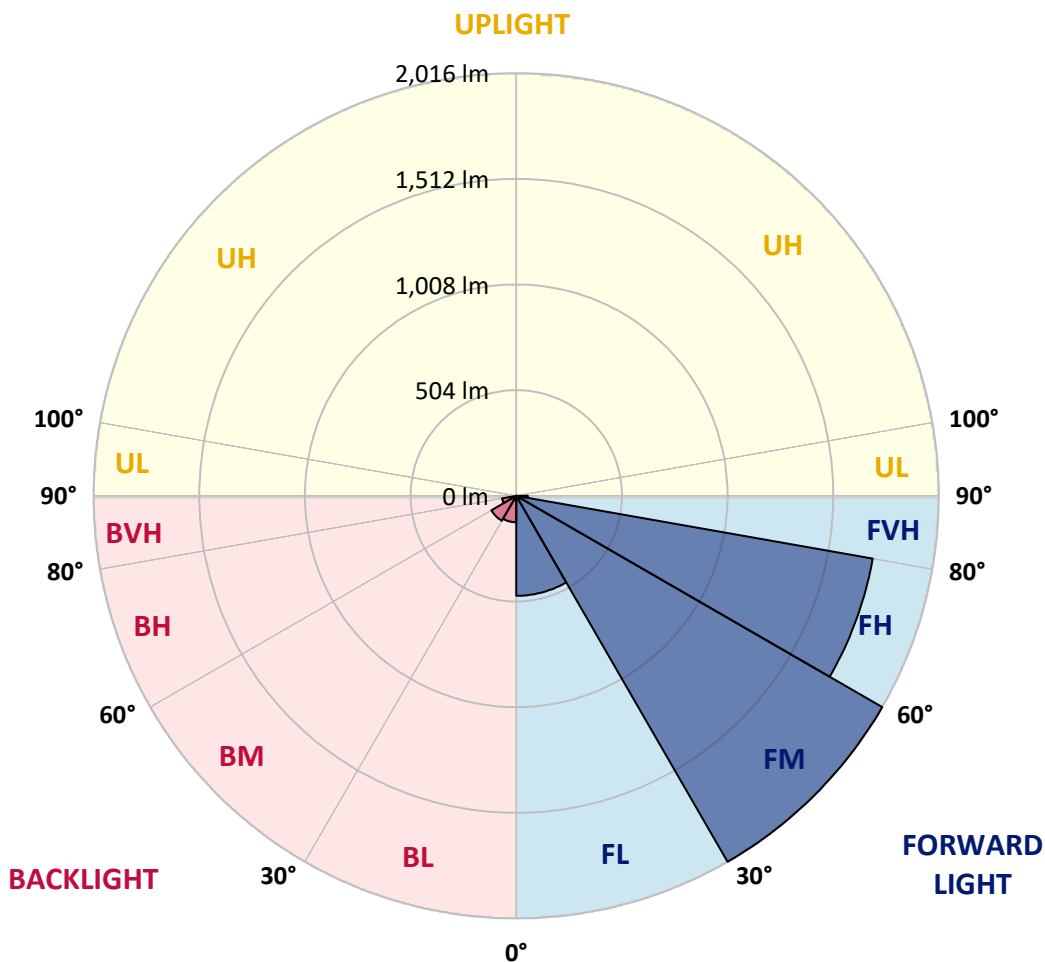


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.0	10.4			
FM (30°-60°)	2016.2	43.8			
FH (60°-80°)	1726.6	37.5			G1/1800
FVH (80°-90°)	55.6	1.2			G1/100
BL (0°-30°)	126.3	2.7	B1/500		
BM (30°-60°)	137.1	3.0	B0/220		
BH (60°-80°)	68.7	1.5	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	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°	1417.7	1419.8	1411.8	1405.3	1388.7	1370.9	1347.2	1334.5	1313.0	1275.7	1234.5
5°	1450.9	1453.7	1452.5	1450.9	1444.5	1427.3	1397.0	1386.0	1354.3	1293.6	1219.1
7.5°	1377.1	1387.2	1388.4	1400.4	1411.8	1413.4	1402.0	1393.7	1364.4	1293.3	1191.6
10°	1279.1	1285.9	1295.7	1309.6	1337.0	1359.8	1370.9	1369.6	1352.7	1283.7	1159.6
12.5°	1180.3	1184.0	1199.1	1222.7	1256.3	1295.1	1324.7	1330.6	1330.9	1272.3	1132.8
15°	1095.3	1093.8	1105.4	1132.8	1180.0	1228.6	1281.5	1290.8	1305.6	1261.3	1107.9
17.5°	1022.6	1030.6	1032.5	1062.6	1106.1	1169.2	1236.6	1253.0	1282.5	1251.7	1087.3
20°	977.7	982.0	986.0	1002.9	1042.0	1108.5	1194.5	1216.9	1260.9	1243.1	1064.2
22.5°	964.4	967.2	963.8	969.0	996.8	1055.9	1148.6	1178.4	1240.3	1235.1	1045.4
25°	974.6	977.3	969.4	963.2	972.7	1013.0	1104.2	1140.5	1223.7	1233.5	1031.2
27.5°	999.2	1004.4	993.4	982.3	976.7	989.9	1069.4	1111.6	1212.3	1240.9	1024.8
30°	1037.7	1040.8	1032.5	1018.9	1006.3	993.1	1051.3	1091.6	1209.2	1258.2	1024.2
32.5°	1079.6	1086.0	1081.4	1072.5	1056.2	1024.8	1056.5	1092.2	1216.6	1283.1	1031.8
35°	1131.3	1138.7	1143.0	1141.1	1120.2	1081.1	1089.7	1119.9	1236.3	1329.0	1052.8
37.5°	1182.1	1188.6	1212.9	1221.2	1202.8	1165.8	1154.4	1174.4	1279.7	1389.0	1090.6
40°	1240.3	1249.0	1283.1	1314.8	1305.9	1267.1	1246.1	1262.8	1346.2	1479.6	1162.4
42.5°	1296.0	1311.4	1363.5	1419.5	1427.8	1384.4	1370.6	1376.1	1444.8	1609.8	1262.5
45°	1375.2	1389.7	1456.8	1532.8	1572.0	1538.0	1523.9	1523.0	1579.9	1793.0	1424.7
47.5°	1489.4	1502.3	1581.5	1656.6	1726.2	1730.8	1704.0	1713.3	1749.9	2007.4	1623.7
50°	1629.5	1660.0	1712.0	1790.3	1883.3	1958.4	1966.7	1954.4	1985.8	2255.5	1862.6
52.5°	1833.1	1844.7	1892.5	1956.9	2065.9	2193.3	2292.2	2275.2	2265.4	2492.0	2104.0
55°	1984.8	2000.6	2074.8	2163.1	2322.9	2491.1	2705.4	2711.2	2586.9	2719.3	2340.2
57.5°	1939.0	1963.0	2075.4	2253.1	2604.4	2911.7	3071.2	3075.2	2884.3	2940.0	2606.8
60°	1703.4	1714.8	1875.8	2112.9	2628.5	3367.4	3590.1	3557.7	3187.0	3187.0	2842.4
62.5°	1208.0	1225.9	1356.4	1705.3	2373.7	3525.7	4211.4	4144.7	3603.9	3423.2	2982.8
65°	772.0	754.7	841.3	1076.5	1768.4	3292.0	4752.5	4756.5	3996.2	3517.7	2906.2
67°	559.2	552.4	577.4	735.9	1199.1	2767.3	4763.9	4974.8	4221.6	3458.0	2661.0
67.5°	511.5	516.7	534.9	663.9	1089.5	2518.2	4712.1	4961.9	4272.4	3421.9	2572.4
70°	387.7	378.7	398.5	469.6	653.1	1588.6	4053.5	4550.8	4209.3	3064.4	2055.4
72.5°	285.2	284.2	311.6	384.0	502.8	846.2	3042.9	3648.9	3438.9	2333.4	1294.2
75°	192.5	201.1	244.8	320.9	455.7	548.7	2074.5	2647.2	2387.3	1325.0	529.0
77.5°	109.6	110.2	157.6	257.8	409.2	441.5	1229.2	1686.5	1263.7	440.7	157.1
80°	47.4	52.1	78.2	187.2	339.4	391.0	704.9	926.8	511.1	93.3	50.8
82.5°	17.5	20.6	34.5	115.2	247.6	322.0	425.9	442.5	173.4	33.0	31.7
85°	0.0	0.6	12.6	53.9	129.0	143.8	284.5	262.4	76.7	15.7	20.6
87.5°	0.0	0.0	0.0	5.6	16.9	53.6	88.4	98.5	18.5	5.6	4.9
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°	1212.3	1192.3	1142.1	1091.9	1054.6	1023.5	976.7	951.2	937.6	917.6	918.9
5°	1181.8	1141.1	1052.8	961.4	887.5	815.4	729.1	694.4	665.1	648.5	637.4
7.5°	1136.5	1076.5	945.6	823.7	710.1	584.1	489.6	426.5	384.0	368.2	353.2
10°	1087.0	1007.3	836.9	667.9	510.2	380.3	300.2	242.3	221.7	202.6	204.4
12.5°	1041.1	944.1	737.2	527.2	357.5	241.7	188.5	164.7	157.9	155.8	155.8
15°	1003.5	883.8	630.0	396.3	245.1	173.7	150.9	144.4	142.0	141.3	141.3
17.5°	963.5	826.5	533.3	292.8	178.3	145.3	137.7	133.3	132.4	131.8	131.8
20°	927.8	768.9	441.5	218.0	144.1	130.8	125.9	123.2	122.2	121.6	121.9
22.5°	893.9	717.8	355.3	164.7	126.8	119.2	114.2	111.5	109.6	108.1	108.4
25°	863.7	668.5	285.7	134.8	114.2	107.4	102.6	98.5	94.5	92.7	92.4
27.5°	842.5	625.4	222.6	115.5	102.8	95.4	89.3	84.4	79.2	76.3	75.7
30°	824.9	581.7	176.1	101.9	91.5	84.4	76.7	69.6	64.0	61.3	60.1
32.5°	813.5	540.1	138.9	90.8	81.9	73.3	64.7	57.6	51.4	48.6	48.0
35°	811.7	505.3	113.6	81.6	73.3	64.0	55.1	47.4	42.2	39.4	38.8
37.5°	824.9	478.5	95.1	74.2	66.2	56.1	46.2	39.1	34.5	32.3	32.0
40°	860.4	461.6	82.5	68.0	59.7	48.6	39.4	33.3	28.7	26.5	26.5
42.5°	927.8	462.2	74.2	62.2	53.2	41.6	33.6	27.7	23.7	21.8	21.2
45°	1033.1	483.1	67.1	56.4	47.1	36.0	28.7	22.8	18.8	17.2	17.2
47.5°	1174.1	524.7	61.0	50.5	41.6	30.8	24.4	18.5	15.1	13.5	13.5
50°	1358.6	591.6	55.7	45.6	37.0	26.5	19.7	15.1	11.7	10.5	10.2
52.5°	1551.3	674.0	49.6	41.3	31.7	22.5	16.0	11.7	8.9	8.0	7.7
55°	1764.1	754.7	43.7	37.0	25.8	18.8	12.6	9.2	6.5	5.6	5.6
57.5°	1978.7	833.8	36.6	30.8	20.4	13.9	9.9	6.8	4.3	3.4	3.4
60°	2160.4	859.4	31.1	25.0	15.4	9.9	7.0	4.3	2.4	1.6	1.6
62.5°	2185.4	773.2	26.2	19.1	11.1	6.8	3.7	2.4	0.9	0.6	0.6
65°	2049.8	628.1	21.8	14.5	7.4	3.4	1.6	0.9	0.3	0.0	0.0
67°	1836.8	509.3	17.9	10.8	5.2	2.2	0.9	0.3	0.0	0.0	0.0
67.5°	1782.3	485.6	17.2	10.2	4.6	1.9	0.6	0.3	0.0	0.0	0.0
70°	1398.6	363.6	12.3	6.2	2.7	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	869.3	205.7	8.9	3.7	1.9	0.6	0.0	0.0	0.0	0.0	0.0
75°	328.5	72.0	6.2	2.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	102.3	27.4	3.7	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.5	10.5	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.2	4.3	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.2	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.6	0.3	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

(END OF REPORT)