

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: P650218

Luminaire Tested: **GLAN-SA1B-835-U-T3**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1B-835-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4470.9 lumens  
Efficiency: N/A  
Efficacy: 101.6 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

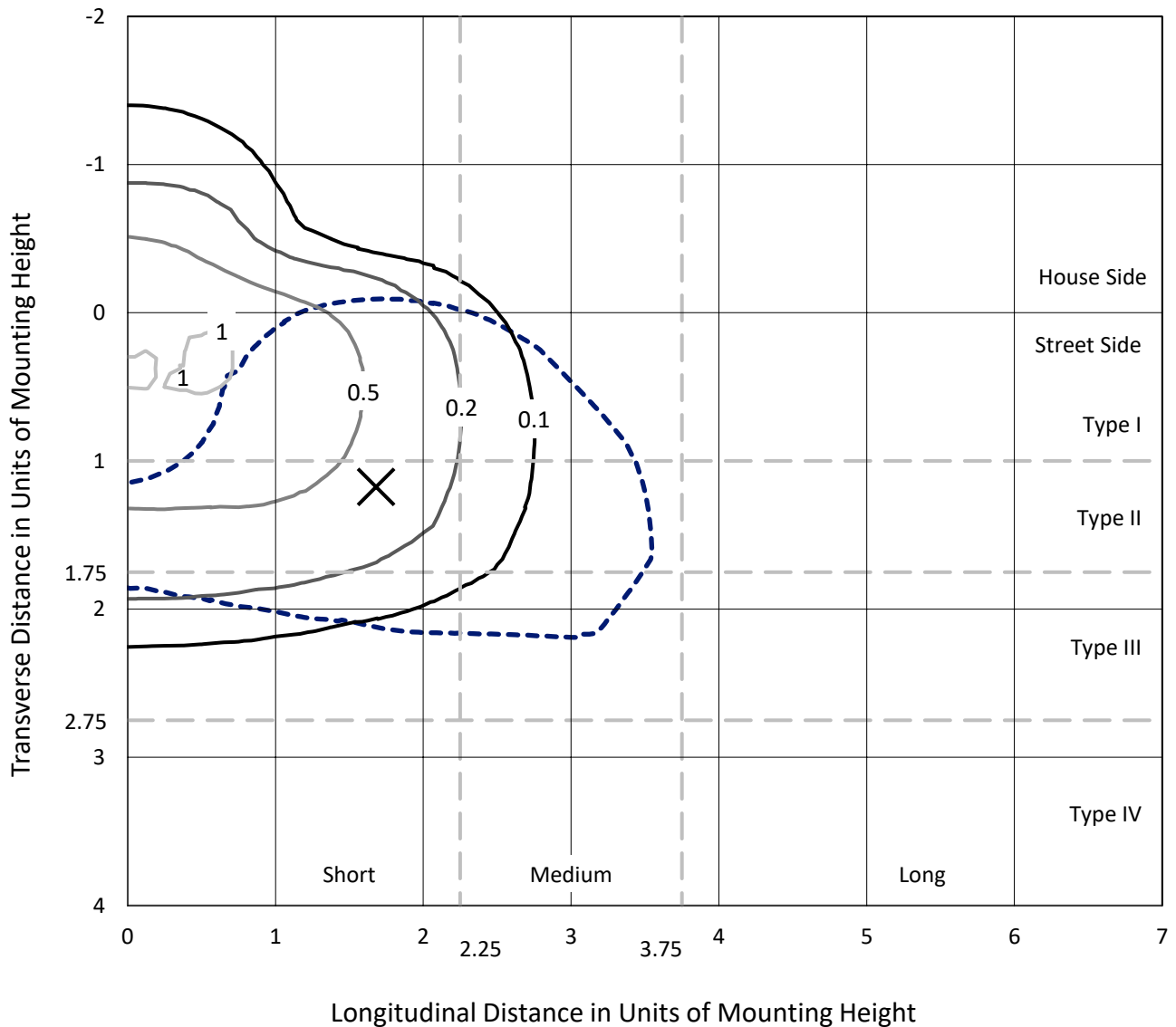
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

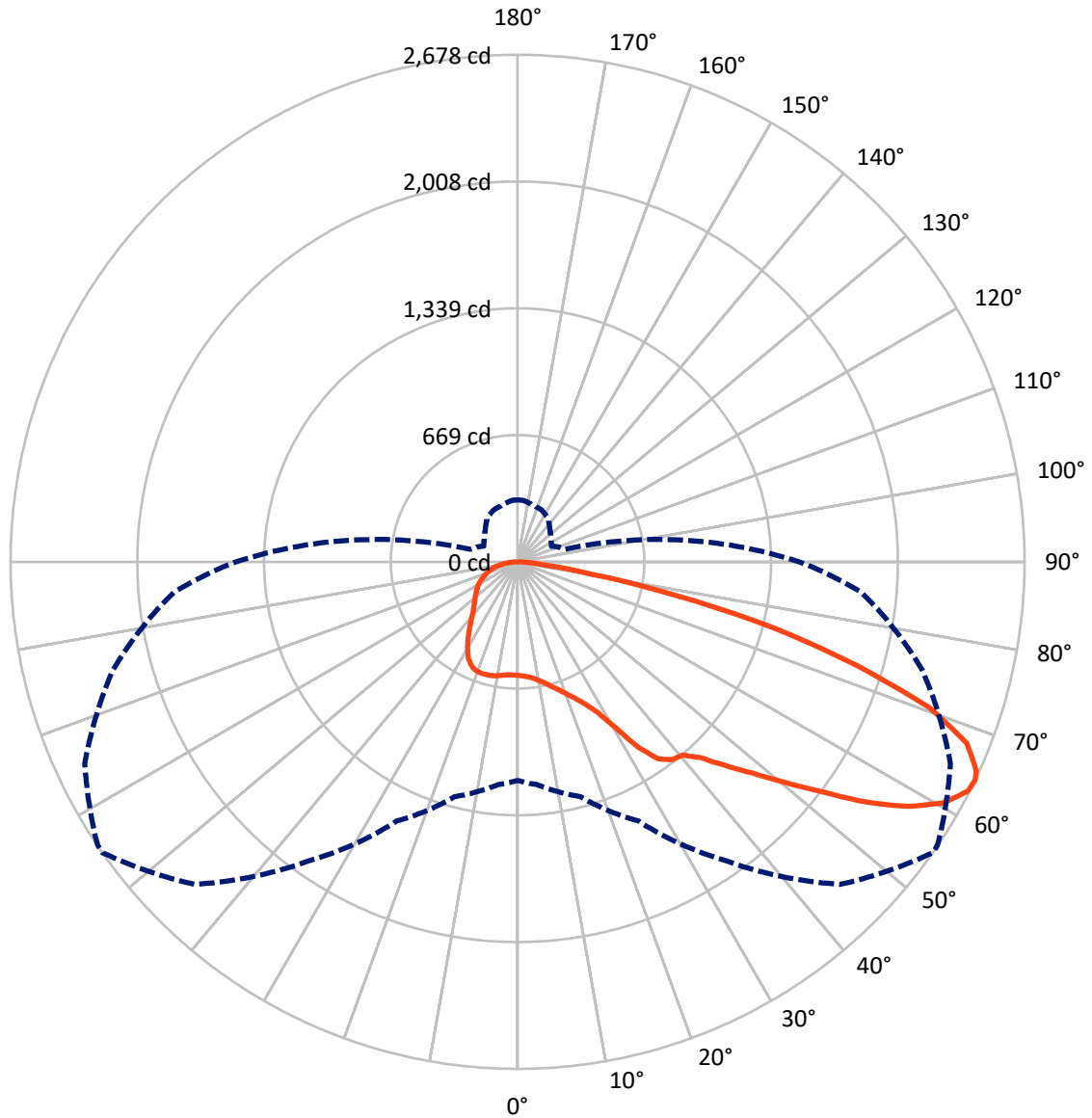
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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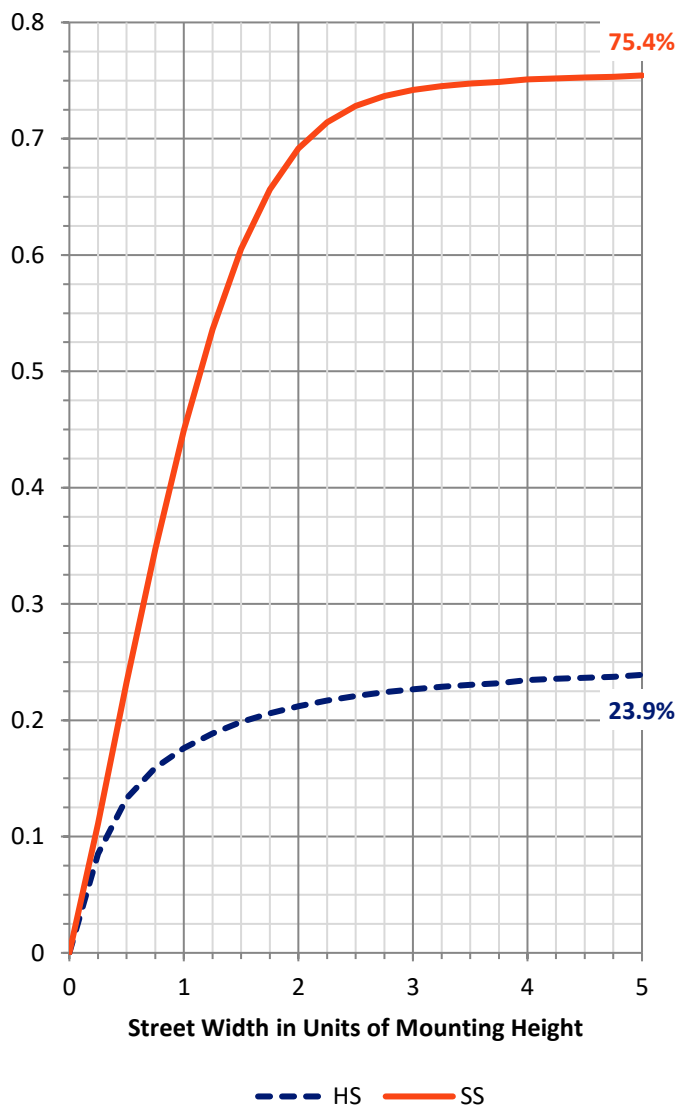
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1086.1	0.0	1086.1
	% Fixture	24.3	0.0	24.3
<b>Street Side</b>	Lumens	3384.9	0.0	3384.9
	% Fixture	75.7	0.0	75.7
<b>Total</b>	Lumens	4470.9	0.0	4470.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.4	1.3
10°-20°	184.1	4.1
20°-30°	327.8	7.3
30°-40°	504.3	11.3
40°-50°	714.9	16.0
50°-60°	1034.8	23.1
60°-70°	1070.9	24.0
70°-80°	501.5	11.2
80°-90°	74.2	1.7
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°	4470.9	100.0
0°-180°	4470.9	100.0

**Coefficient of Utilization**

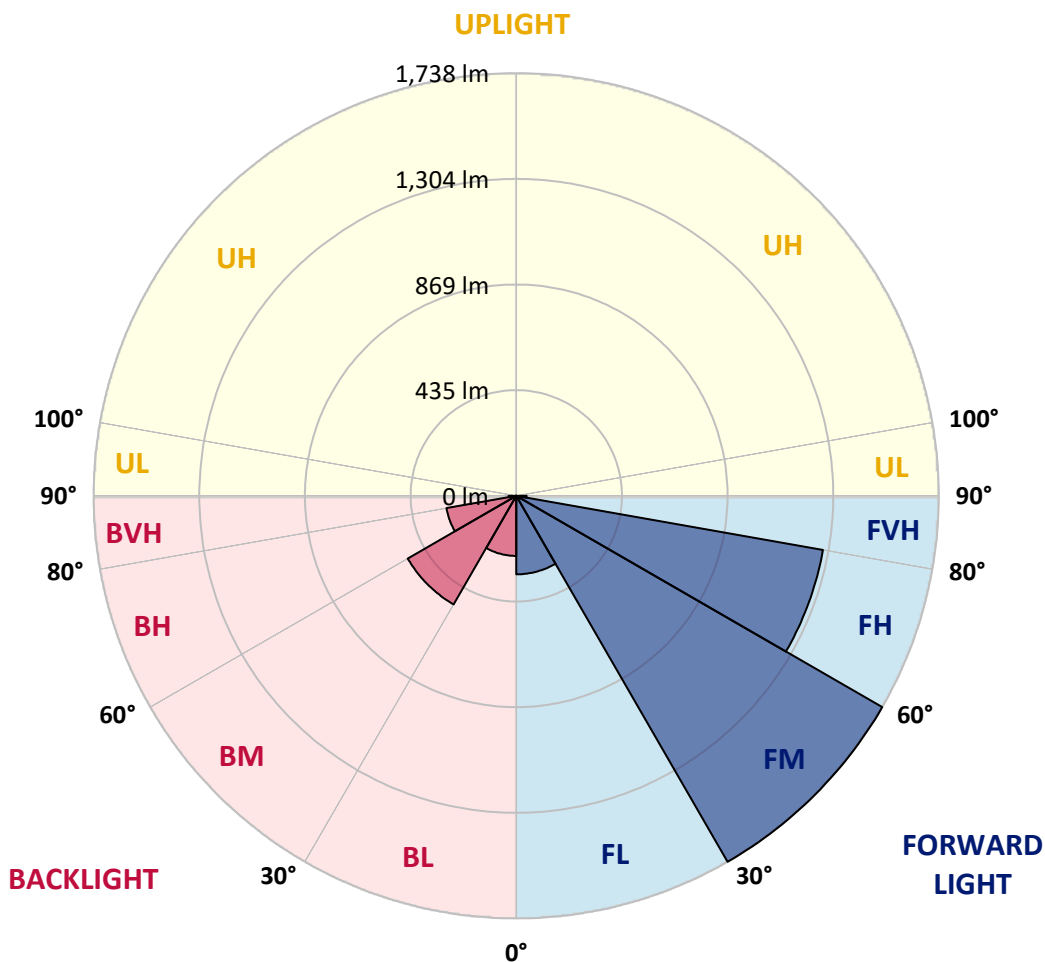


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.9	7.2			
FM (30°-60°)	1738.4	38.9			
FH (60°-80°)	1281.1	28.7			G1/1800
FVH (80°-90°)	42.5	1.0			G1/100
BL (0°-30°)	247.4	5.5	B1/500		
BM (30°-60°)	515.6	11.5	B1/1000		
BH (60°-80°)	291.4	6.5	B1/500		G1/500
BVH (80°-90°)	31.7	0.7			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9
2.5°	606.6	606.4	607.1	606.4	606.8	605.1	604.3	604.9	604.1	602.8	600.6
5°	614.1	613.8	614.1	613.1	613.6	612.5	610.8	611.4	610.1	607.4	604.1
7.5°	626.8	625.8	625.8	625.5	624.5	623.0	621.8	621.3	620.1	616.5	611.6
10°	643.2	643.2	643.5	641.5	642.8	640.0	638.8	638.5	634.2	629.8	622.8
12.5°	664.9	666.2	665.4	664.4	663.9	662.9	658.7	659.7	655.0	647.2	638.8
15°	691.9	693.8	692.6	692.1	690.8	687.1	685.4	684.6	678.4	667.1	655.9
17.5°	727.5	725.0	724.0	722.7	717.5	714.7	711.7	711.3	705.8	692.6	675.1
20°	758.6	762.1	760.1	758.9	753.6	748.4	746.1	745.4	740.6	726.2	698.3
22.5°	795.8	796.5	797.3	794.3	791.8	787.8	783.8	782.5	780.8	765.9	731.7
25°	835.4	838.4	835.9	832.9	829.9	829.7	833.3	832.9	832.2	817.7	776.0
27.5°	899.9	902.6	903.4	900.1	888.7	889.7	898.2	900.9	912.4	888.5	833.1
30°	936.3	939.1	945.3	957.5	975.7	991.7	1012.1	1018.3	1029.3	984.2	900.9
32.5°	958.7	959.7	970.9	993.6	1048.2	1107.8	1163.3	1165.6	1172.5	1109.3	962.9
35°	994.1	994.9	1003.8	1028.8	1092.8	1192.0	1278.0	1280.8	1275.0	1148.1	991.9
37.5°	1037.7	1039.7	1045.5	1066.1	1142.6	1262.5	1325.6	1323.6	1272.8	1179.0	1043.0
40°	1101.3	1101.3	1094.6	1122.5	1195.2	1302.9	1342.3	1338.8	1325.3	1268.5	1120.7
42.5°	1157.4	1156.3	1172.3	1191.3	1261.0	1365.2	1412.3	1418.0	1440.3	1380.9	1209.2
45°	1230.4	1234.9	1243.9	1278.2	1372.9	1471.6	1532.4	1537.9	1569.3	1513.2	1312.6
47.5°	1304.2	1305.7	1333.8	1379.6	1511.5	1616.0	1665.8	1674.8	1703.4	1668.0	1424.0
50°	1356.5	1370.7	1415.8	1488.1	1654.3	1791.9	1830.7	1841.5	1892.0	1836.4	1553.9
52.5°	1411.8	1425.8	1480.8	1591.0	1818.3	1971.8	2019.7	2026.9	2079.5	2006.9	1686.7
55°	1459.2	1472.1	1534.7	1682.2	1948.9	2155.4	2242.2	2233.7	2258.9	2138.3	1789.2
57.5°	1466.9	1477.4	1556.1	1740.5	2047.1	2313.0	2437.3	2442.3	2413.1	2236.5	1873.6
60°	1407.1	1428.5	1518.9	1734.3	2091.2	2422.6	2582.9	2586.4	2503.6	2286.8	1907.2
62.5°	1301.2	1298.9	1408.3	1634.1	2029.4	2447.6	2668.6	2664.9	2539.0	2262.6	1874.6
64°	1154.8	1181.8	1284.0	1511.0	1929.7	2409.2	2677.5	2675.6	2522.0	2212.3	1819.1
65°	1065.7	1064.2	1165.1	1410.3	1830.5	2351.3	2661.7	2658.9	2486.7	2167.2	1775.9
67.5°	769.3	772.8	872.5	1088.3	1488.1	2125.3	2557.7	2547.5	2347.1	2017.6	1612.0
70°	466.0	468.0	546.3	722.0	1068.2	1718.1	2305.5	2306.0	2133.5	1794.3	1372.0
72.5°	245.5	250.7	282.1	410.0	648.7	1205.4	1870.4	1914.7	1831.8	1531.5	1083.8
75°	136.6	137.3	159.5	202.1	331.0	674.6	1405.8	1418.6	1450.2	1232.6	801.5
77.5°	104.1	105.7	112.7	130.6	180.2	312.7	850.8	914.6	1022.0	869.1	457.4
80°	84.5	86.0	91.9	102.7	119.9	148.3	395.3	429.6	547.0	385.8	178.4
82.5°	65.8	64.8	72.5	79.5	87.2	87.7	162.2	179.5	222.8	166.0	77.3
85°	48.9	48.9	55.0	53.6	56.3	51.4	71.5	79.0	89.2	70.5	35.9
87.5°	19.4	21.5	36.2	32.4	25.1	20.2	26.4	27.9	30.9	27.6	15.0
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°	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9
2.5°	600.9	601.6	599.9	598.6	598.1	597.4	596.6	596.9	597.9	598.8	598.6
5°	603.8	604.1	601.1	599.6	598.6	597.6	597.6	598.4	600.3	601.9	601.9
7.5°	611.4	611.4	607.1	604.3	602.8	601.1	600.6	600.9	602.4	604.3	604.6
10°	623.0	622.0	616.5	612.3	609.6	605.3	601.6	599.6	600.3	601.6	601.6
12.5°	637.3	634.5	627.5	621.8	615.0	607.1	599.4	595.4	595.2	596.4	595.9
15°	652.5	649.4	639.7	629.3	617.6	605.8	596.6	590.9	586.4	585.1	587.9
17.5°	670.2	663.9	650.4	636.0	618.6	603.4	588.9	577.1	569.2	567.0	567.8
20°	691.5	683.3	665.2	642.5	617.8	594.4	572.0	556.2	543.3	539.3	539.8
22.5°	721.2	707.0	680.3	645.7	611.6	577.5	546.3	525.9	510.1	503.9	507.6
25°	754.9	739.4	694.8	645.0	595.4	550.3	515.8	489.2	475.0	465.8	467.8
27.5°	801.2	773.8	710.3	638.2	572.2	517.1	477.2	452.1	439.1	434.4	436.6
30°	860.5	818.4	726.9	620.1	535.6	475.3	438.4	422.0	414.2	408.2	410.2
32.5°	903.4	849.8	730.7	589.4	496.0	437.1	411.9	399.7	391.3	385.5	386.8
35°	934.0	876.5	729.0	551.8	454.6	405.8	391.0	381.1	367.4	354.9	352.7
37.5°	975.1	909.9	716.2	510.7	413.7	384.5	374.0	355.6	335.9	319.2	318.5
40°	1038.3	949.0	689.1	462.3	378.8	368.9	356.1	332.2	311.0	297.5	296.6
42.5°	1103.2	985.2	652.2	411.5	350.2	352.4	336.9	313.3	300.3	291.6	290.6
45°	1182.8	1024.2	612.3	367.4	328.9	336.9	320.2	306.5	298.8	293.1	291.6
47.5°	1268.8	1064.4	567.4	327.7	311.0	322.8	313.3	307.0	302.8	298.8	297.1
50°	1361.5	1109.3	525.3	295.8	294.8	308.0	312.5	310.3	307.8	306.5	305.1
52.5°	1463.1	1155.1	489.9	273.4	280.6	297.5	312.7	314.5	314.5	313.7	312.7
55°	1531.9	1187.0	454.1	255.2	266.1	289.1	312.3	319.0	321.5	320.5	319.5
57.5°	1582.8	1204.5	409.0	239.5	253.9	280.9	309.5	319.5	322.0	323.2	322.8
60°	1593.2	1188.3	349.9	223.1	240.8	268.9	299.6	312.0	315.2	323.0	323.8
62.5°	1546.1	1138.4	291.1	206.9	224.6	250.7	286.1	303.6	310.0	322.0	323.2
64°	1488.3	1082.6	258.5	196.6	214.1	240.5	279.4	301.3	309.8	325.7	326.7
65°	1446.0	1041.9	238.0	190.2	207.3	233.8	275.6	302.1	312.0	331.4	332.9
67.5°	1289.9	902.2	196.8	174.9	191.4	222.3	276.4	308.3	311.6	333.7	333.5
70°	1067.4	718.2	165.0	161.0	175.9	213.1	273.4	298.3	298.6	313.3	309.8
72.5°	799.2	530.8	143.1	146.6	158.7	191.1	258.2	284.9	280.6	282.6	279.1
75°	549.0	351.2	123.1	131.1	140.8	169.0	236.8	258.7	252.0	249.5	247.0
77.5°	293.1	194.1	102.4	115.9	122.4	146.0	206.6	227.8	220.8	211.1	207.8
80°	118.6	91.5	82.5	95.9	99.7	117.6	171.9	185.2	179.9	163.0	157.5
82.5°	59.6	54.8	64.8	75.5	75.8	84.0	127.9	140.3	128.6	107.9	103.2
85°	31.2	32.2	44.6	53.1	46.8	45.3	76.7	85.0	78.0	67.8	61.1
87.5°	11.2	13.0	23.4	23.2	16.4	8.7	16.9	8.2	4.5	2.7	3.5
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)