

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: P319955

Luminaire Tested: **GAN-SA1B-730-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1B-730-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5177 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

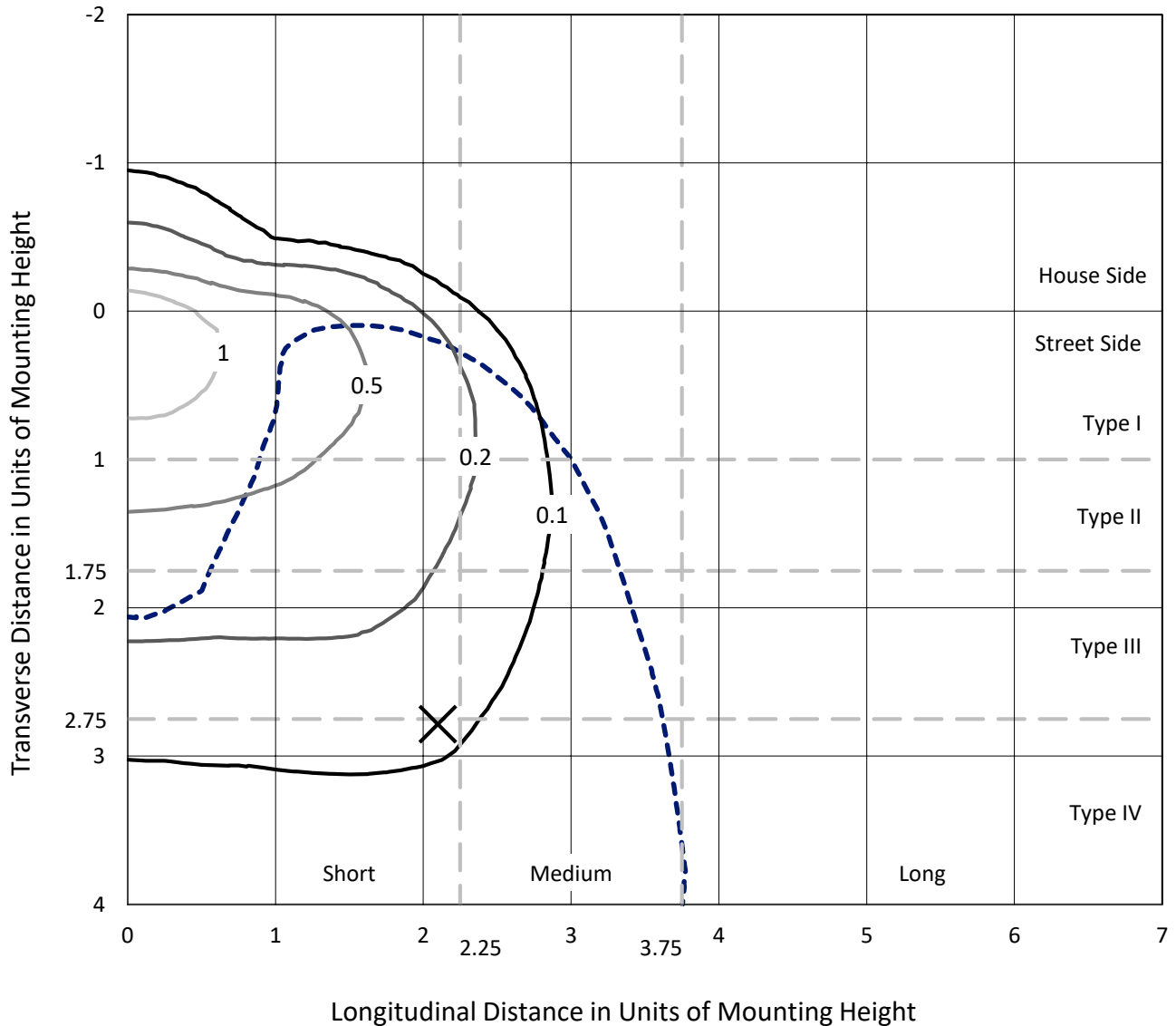
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P319955  
 CATALOG NUMBER: GAN-SA1B-730-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

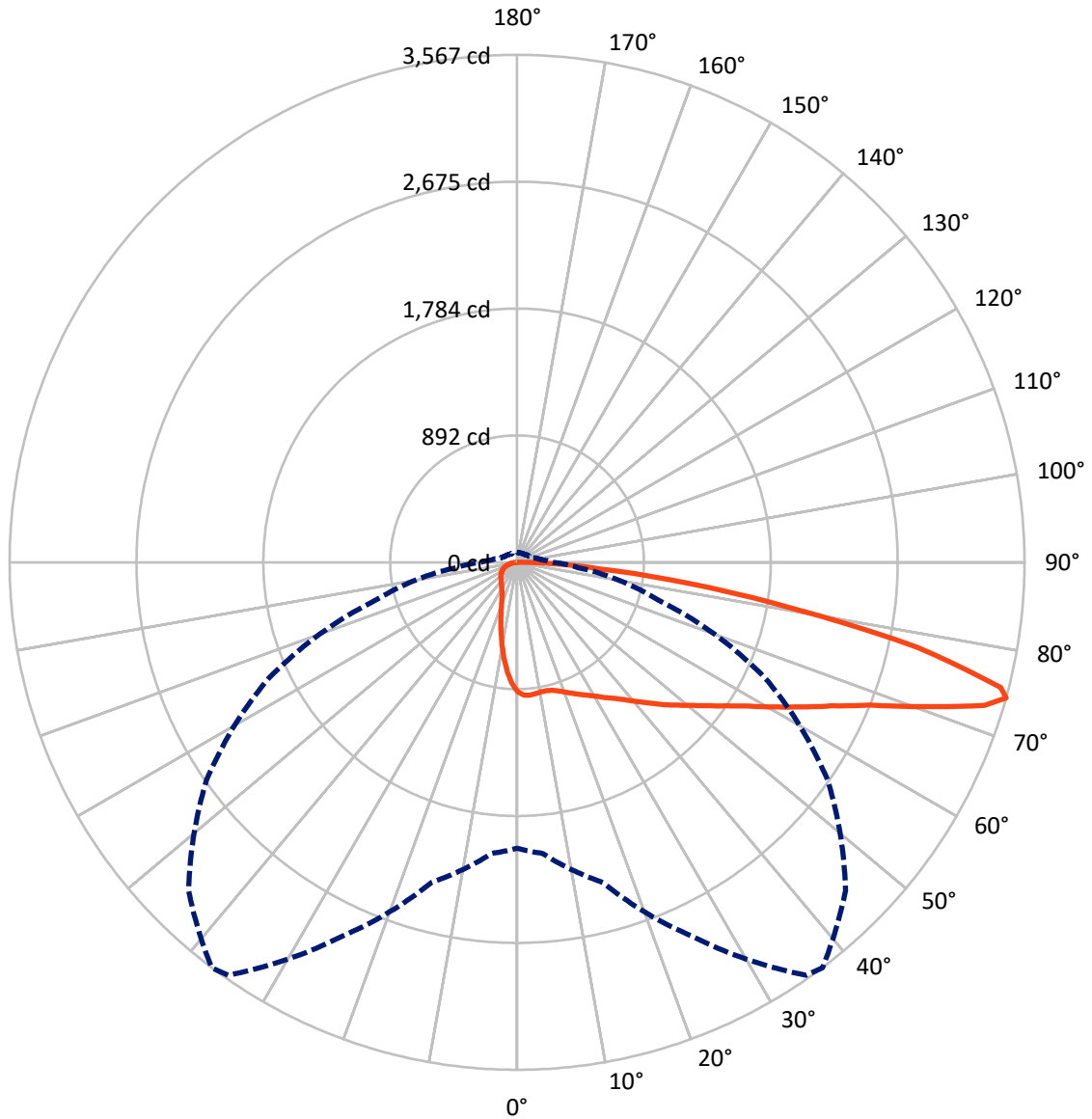
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P319955  
CATALOG NUMBER: GAN-SA1B-730-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral    - - - Horizontal Cone Through 74-Deg Vertical

REPORT NUMBER: P319955  
 CATALOG NUMBER: GAN-SA1B-730-U-SL4

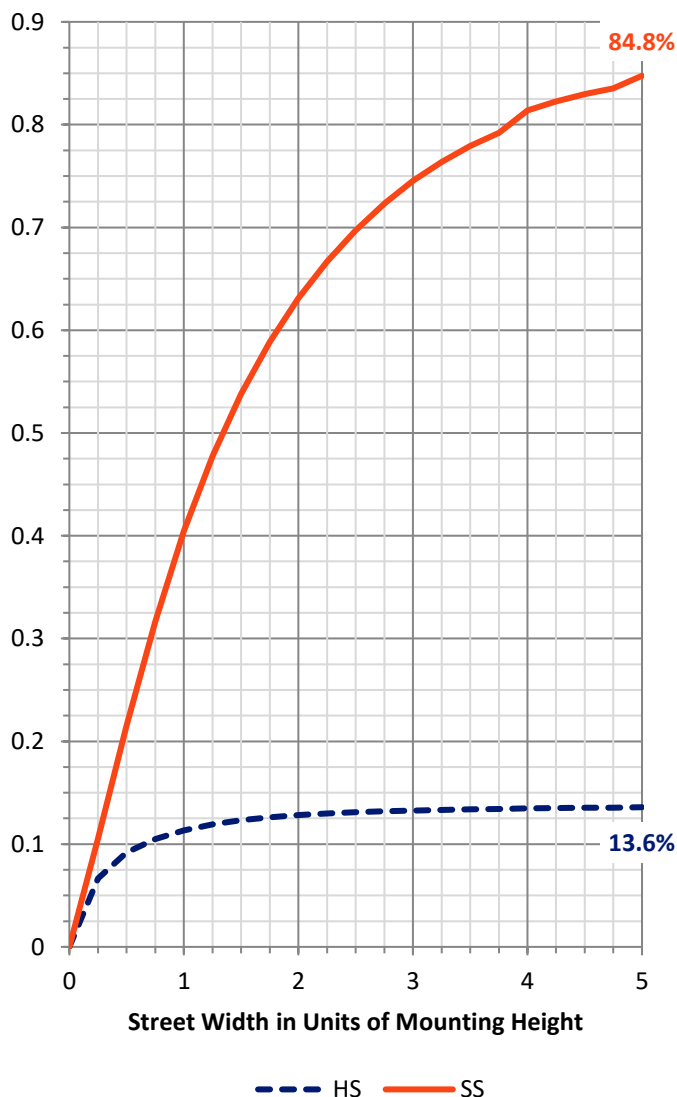
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	712.3	0.0	712.3
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	4464.7	0.0	4464.7
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	5177.0	0.0	5177.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.3	1.6
10°-20°	205.9	4.0
20°-30°	317.2	6.1
30°-40°	461.3	8.9
40°-50°	679.0	13.1
50°-60°	953.5	18.4
60°-70°	1206.9	23.3
70°-80°	1062.7	20.5
80°-90°	210.1	4.1
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°	5177.0	100.0
0°-180°	5177.0	100.0

**Coefficient of Utilization**

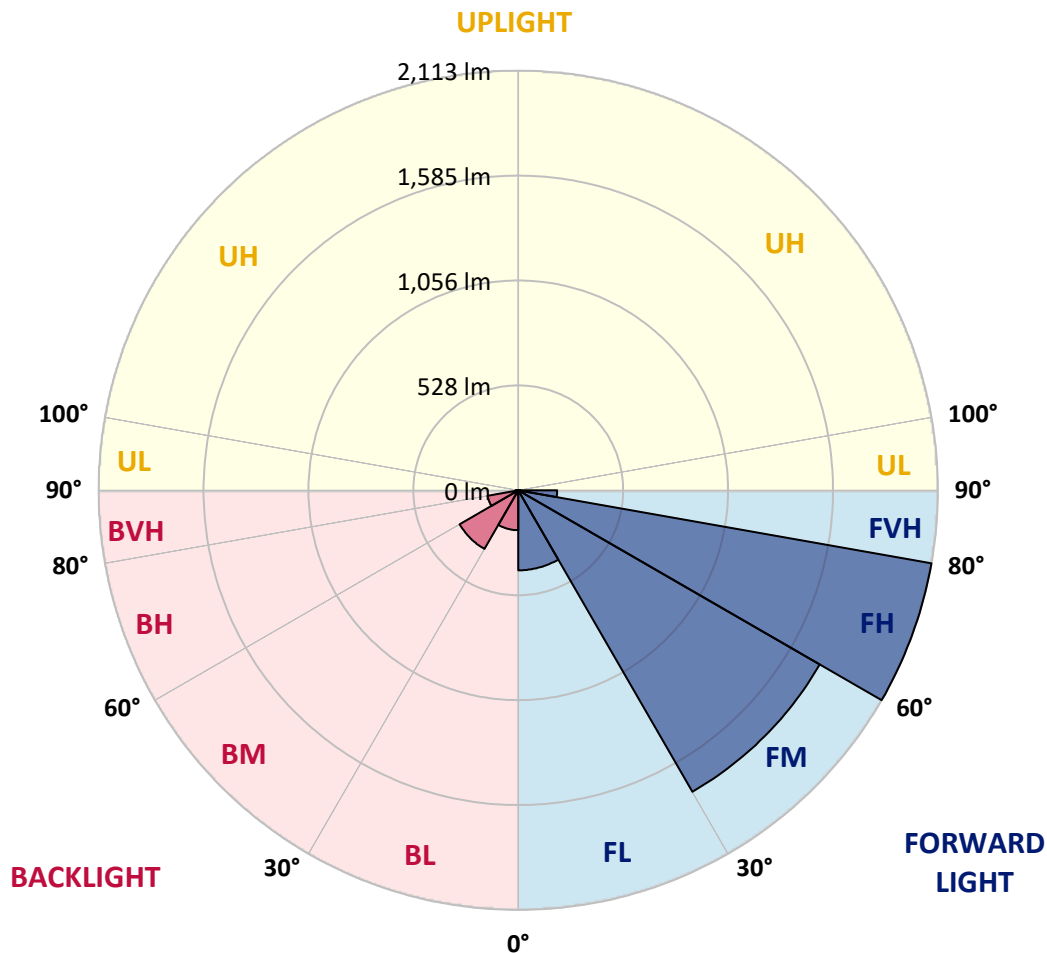


REPORT NUMBER: P319955  
 CATALOG NUMBER: GAN-SA1B-730-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.8	7.8			
FM (30°-60°)	1753.0	33.9			
FH (60°-80°)	2113.0	40.8			G2/5000
FVH (80°-90°)	195.9	3.8			G2/225
BL (0°-30°)	200.6	3.9	B1/500		
BM (30°-60°)	340.9	6.6	B1/1000		
BH (60°-80°)	156.6	3.0	B1/500		G1/500
BVH (80°-90°)	14.2	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 IV Short





REPORT NUMBER: P319955

CATALOG NUMBER: GAN-SA1B-730-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2
2.5°	943.4	943.5	943.4	941.9	938.4	935.5	933.1	929.7	922.0	916.2	907.4
5°	952.3	951.2	950.5	947.7	942.3	939.0	934.4	927.9	915.3	903.6	889.4
7.5°	948.1	946.8	945.2	941.9	935.7	933.0	926.6	918.0	902.9	887.5	867.1
10°	935.1	934.8	934.1	933.3	928.0	925.8	920.0	910.9	895.9	877.3	853.4
12.5°	920.7	921.7	924.6	928.4	926.0	924.9	921.3	915.1	899.8	879.7	850.9
15°	911.6	914.2	922.0	932.0	934.1	933.7	932.8	928.8	912.5	890.3	856.7
17.5°	908.5	912.7	927.7	944.3	950.1	951.4	951.7	944.8	926.8	903.2	862.7
20°	914.2	919.5	941.3	964.1	973.4	974.2	972.5	960.5	940.3	914.4	866.0
22.5°	931.3	936.1	963.4	989.1	999.7	1000.8	995.9	977.6	954.5	927.5	870.6
25°	964.3	970.2	997.5	1023.2	1028.7	1028.9	1021.8	999.2	973.1	945.9	880.4
27.5°	1007.4	1013.2	1037.8	1063.0	1060.1	1058.4	1048.8	1026.1	997.3	971.3	897.9
30°	1055.3	1061.7	1085.0	1102.9	1096.0	1092.7	1084.9	1055.7	1031.1	1005.9	924.8
32.5°	1104.9	1110.8	1131.2	1143.4	1134.6	1133.2	1121.3	1094.7	1075.0	1058.8	968.2
35°	1155.8	1160.0	1180.1	1187.0	1175.3	1174.9	1171.7	1147.2	1134.8	1142.5	1031.2
37.5°	1207.8	1208.9	1226.0	1226.4	1222.9	1224.4	1227.8	1212.5	1216.0	1239.9	1113.3
40°	1254.1	1257.0	1269.4	1273.2	1279.3	1284.4	1301.7	1291.7	1318.5	1360.8	1215.4
42.5°	1288.4	1294.0	1313.9	1323.8	1343.3	1351.3	1375.7	1385.0	1439.0	1502.5	1336.9
45°	1317.4	1326.1	1358.0	1378.3	1411.3	1425.3	1460.3	1491.5	1575.2	1656.2	1464.7
47.5°	1348.7	1359.9	1399.8	1438.5	1483.3	1499.2	1562.8	1609.5	1720.6	1810.8	1585.3
50°	1394.9	1403.4	1442.5	1503.2	1559.2	1579.6	1667.7	1734.6	1868.3	1958.2	1689.8
52.5°	1459.2	1456.0	1489.0	1574.1	1649.3	1674.4	1779.7	1867.7	2018.0	2091.5	1778.0
55°	1524.0	1518.5	1541.7	1648.4	1754.3	1780.8	1902.9	2001.4	2160.4	2211.5	1845.7
57.5°	1596.0	1585.6	1605.1	1732.1	1873.9	1905.5	2041.0	2143.5	2300.5	2308.5	1888.7
60°	1670.2	1656.2	1678.1	1835.8	2025.8	2063.0	2202.6	2282.1	2432.5	2386.2	1902.6
62.5°	1735.2	1725.3	1759.0	1951.6	2197.1	2237.9	2361.2	2429.4	2562.7	2418.5	1852.6
65°	1791.9	1793.5	1851.9	2081.8	2388.0	2431.6	2543.2	2611.0	2665.2	2399.3	1735.7
67.5°	1859.5	1868.8	1968.4	2253.2	2628.4	2676.1	2808.0	2809.1	2722.5	2287.0	1505.6
70°	1958.2	1977.3	2128.7	2491.0	2970.1	3035.8	3137.5	2925.4	2642.0	1982.4	1184.6
72.5°	2045.7	2081.5	2299.2	2763.1	3386.6	3436.4	3330.3	2858.3	2305.9	1485.7	738.0
74°	2010.2	2054.5	2330.2	2897.2	3543.4	3567.3	3265.2	2662.5	1922.6	1028.9	428.9
75°	1933.6	1981.7	2285.0	2895.9	3523.6	3510.3	3108.0	2438.7	1583.4	701.7	285.4
77.5°	1560.5	1611.3	1925.4	2481.9	2889.1	2876.6	2387.5	1636.0	693.5	230.1	145.0
80°	907.2	946.1	1195.2	1576.1	1948.2	1971.0	1570.1	809.5	272.8	129.3	98.3
82.5°	403.0	429.8	577.4	804.6	1175.7	1205.0	822.3	424.2	168.5	78.6	59.1
85°	264.4	284.3	350.5	383.1	559.8	579.9	402.5	330.3	111.2	43.2	43.4
87.5°	190.2	209.3	260.4	227.4	256.9	243.3	219.0	305.6	44.7	24.6	14.6
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: P319955  
 CATALOG NUMBER: GAN-SA1B-730-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2
2.5°	903.6	900.7	894.1	881.7	874.8	868.9	859.3	853.6	851.1	850.9	852.0
5°	881.2	874.4	857.5	836.7	820.1	804.9	786.2	774.8	766.8	762.1	763.4
7.5°	855.1	844.5	817.9	784.7	758.1	728.7	699.7	682.4	668.9	658.9	660.7
10°	837.2	822.6	783.8	736.0	691.7	649.0	609.1	585.2	566.2	551.6	552.7
12.5°	831.2	811.5	757.7	693.9	631.7	573.3	521.2	484.5	465.0	448.4	449.7
15°	832.1	805.7	735.8	656.0	577.7	504.2	440.9	398.1	371.7	360.2	360.3
17.5°	832.8	798.9	712.8	615.3	524.3	439.7	370.9	327.5	302.5	292.0	292.1
20°	830.5	788.0	684.4	568.6	468.5	380.4	313.8	277.0	258.0	249.8	249.8
22.5°	827.4	775.0	652.3	521.7	413.4	329.0	273.0	244.9	234.0	228.5	228.3
25°	828.8	765.4	619.5	473.6	362.7	287.9	245.8	227.2	219.9	216.5	216.3
27.5°	836.7	760.8	589.2	425.6	318.4	257.1	227.6	214.5	209.7	207.5	207.5
30°	850.9	760.8	557.7	384.8	281.6	234.3	213.5	204.6	201.3	199.9	199.9
32.5°	875.7	765.0	527.2	344.3	252.2	216.5	201.9	195.9	193.3	192.6	192.6
35°	918.4	779.2	497.5	306.0	228.5	201.9	190.7	187.3	185.5	185.3	185.8
37.5°	978.4	808.2	469.6	277.7	211.7	190.0	181.4	178.7	177.6	178.5	179.3
40°	1053.9	847.6	444.2	252.2	199.0	180.5	172.9	171.1	170.5	171.8	172.9
42.5°	1145.0	900.9	423.4	233.8	189.1	172.5	165.6	163.4	162.8	164.3	165.8
45°	1243.7	958.1	408.9	220.1	181.4	166.5	159.2	156.8	155.7	156.5	158.1
47.5°	1333.4	1012.3	403.0	210.4	174.2	161.4	153.5	150.6	148.8	148.4	149.7
50°	1409.1	1052.6	405.8	204.6	168.3	155.7	148.1	144.8	142.1	140.4	141.3
52.5°	1464.2	1077.9	408.3	202.1	163.8	149.5	142.1	139.0	135.3	132.6	132.6
55°	1504.1	1083.8	402.7	200.0	160.3	142.8	135.3	132.4	128.7	125.6	125.3
57.5°	1519.8	1067.4	381.7	197.1	157.9	136.4	128.2	126.0	122.9	119.3	119.1
60°	1498.6	1016.7	341.2	190.9	154.8	131.1	121.1	119.6	118.2	114.7	114.5
62.5°	1413.7	905.4	288.9	178.3	148.6	125.5	114.5	115.3	115.4	113.1	112.7
65°	1259.6	752.6	237.8	161.9	139.3	118.7	107.8	111.2	113.2	112.9	112.3
67.5°	1035.6	585.7	201.5	144.6	127.1	109.4	100.5	104.5	106.1	107.4	107.0
70°	768.6	413.0	166.7	126.4	112.3	98.5	91.0	93.0	91.9	93.4	93.9
72.5°	428.5	247.8	135.9	108.1	97.0	85.7	80.4	80.1	77.7	77.7	77.7
74°	257.1	181.8	119.4	96.8	87.7	77.3	72.8	71.1	68.9	69.1	68.9
75°	206.8	156.3	109.6	89.4	81.2	72.4	67.8	65.6	64.0	64.0	63.8
77.5°	130.6	118.7	88.3	71.1	64.9	59.6	56.5	53.6	53.6	53.4	53.2
80°	98.7	94.5	68.7	53.8	49.8	45.8	43.8	42.5	42.5	43.0	42.9
82.5°	67.7	71.1	48.3	37.6	35.6	32.6	32.3	32.5	31.9	31.2	31.0
85°	49.4	53.4	32.6	23.7	21.7	19.9	21.3	22.1	21.2	19.5	18.8
87.5°	19.0	35.0	17.5	9.8	9.1	7.8	9.1	9.5	10.2	8.0	8.2
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)