

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386119

Luminaire Tested: GAW-SA1D-727-U-T3

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386119  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1D-727-U-T3  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6931 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

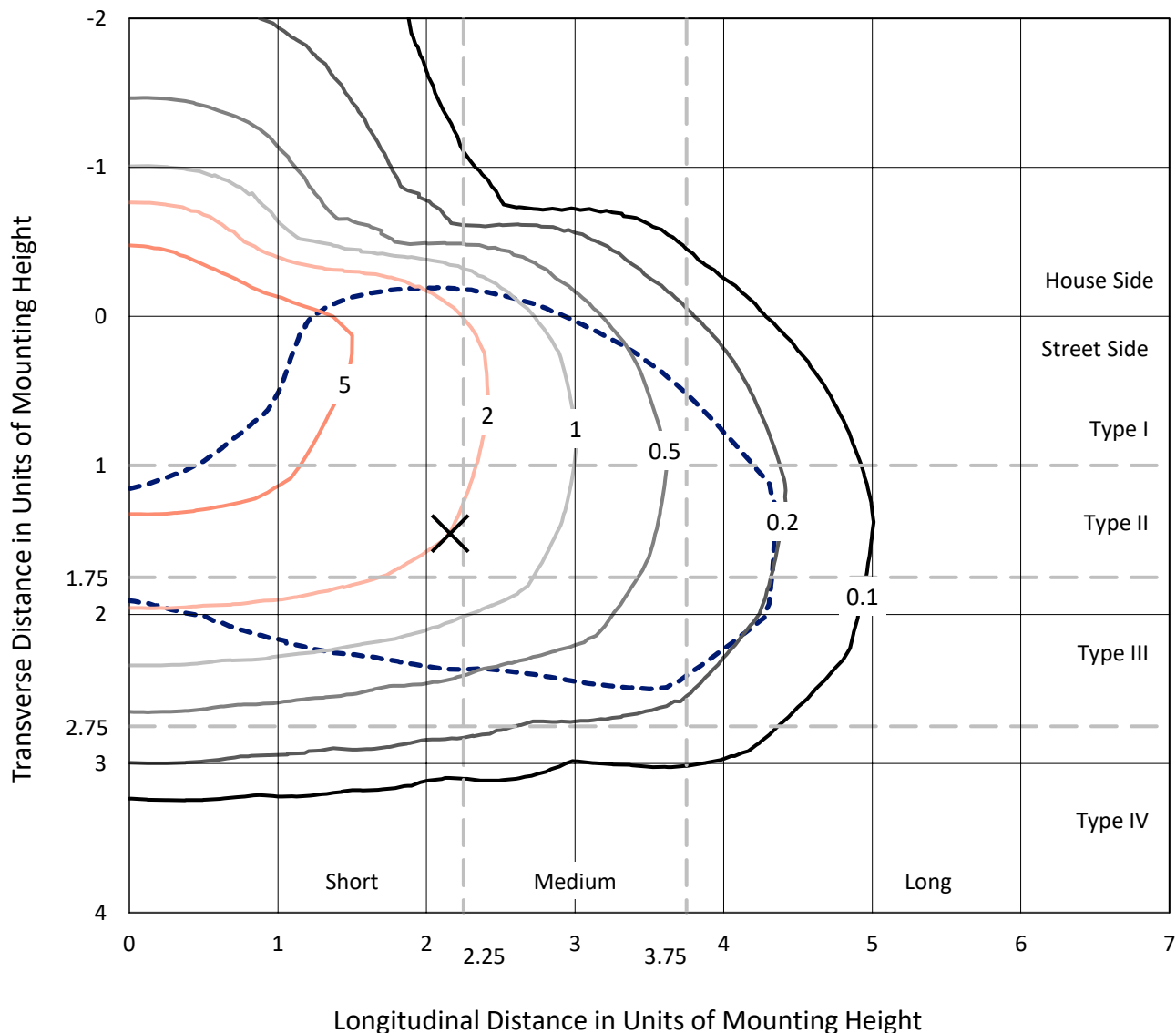
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

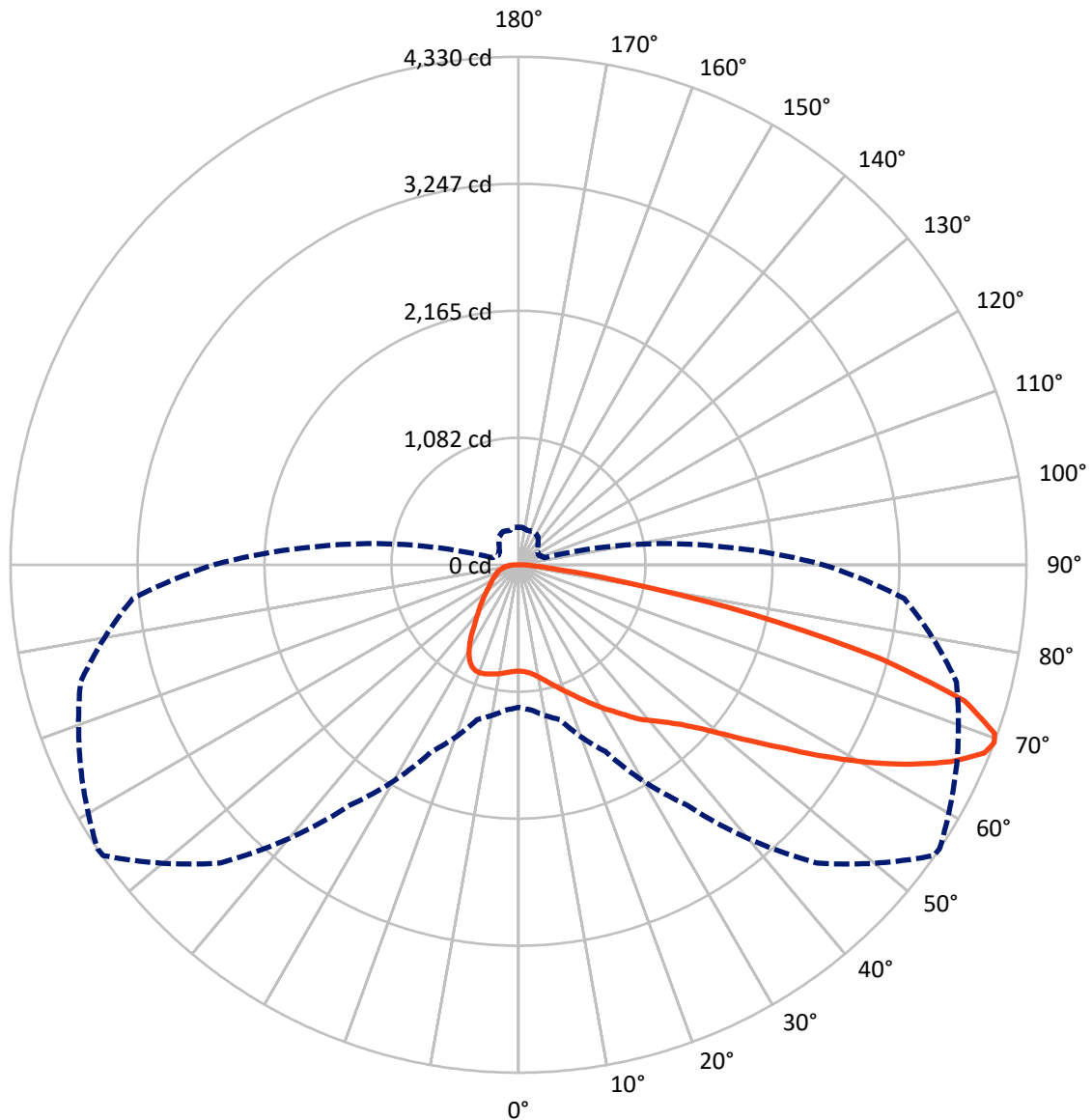
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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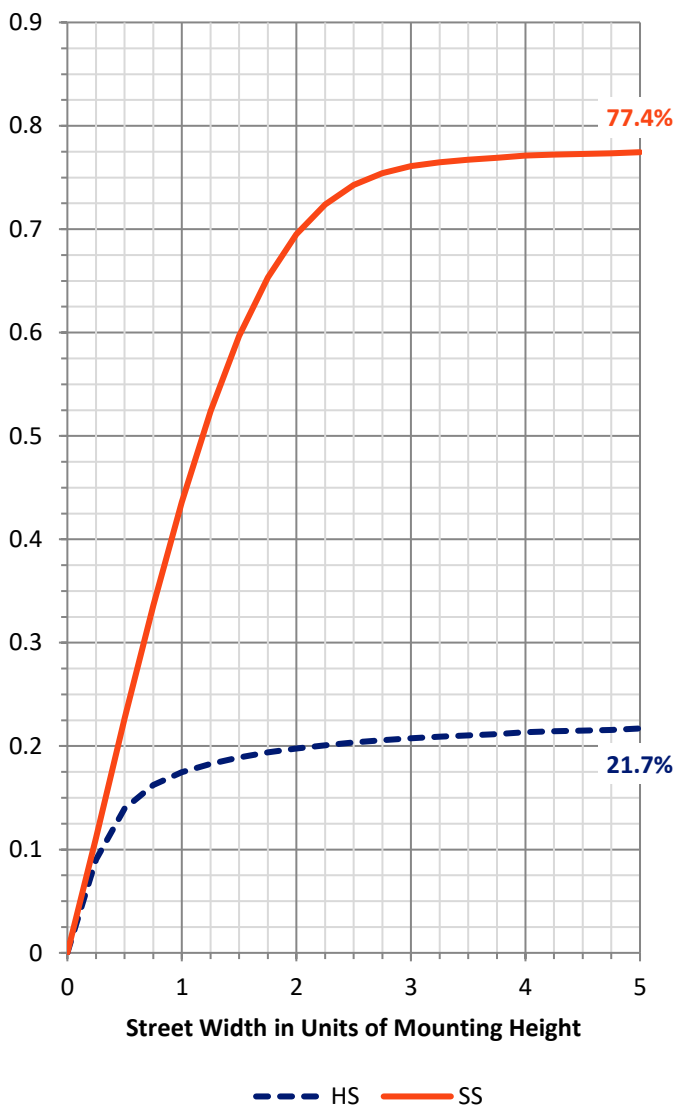
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1543.5	0.0	1543.5
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	5387.5	0.0	5387.5
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	6931.0	0.0	6931.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	1.3
10°-20°	286.2	4.1
20°-30°	499.5	7.2
30°-40°	717.6	10.4
40°-50°	993.1	14.3
50°-60°	1455.0	21.0
60°-70°	1774.0	25.6
70°-80°	980.8	14.2
80°-90°	135.8	2.0
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°	6931.0	100.0
0°-180°	6931.0	100.0

**Coefficient of Utilization**

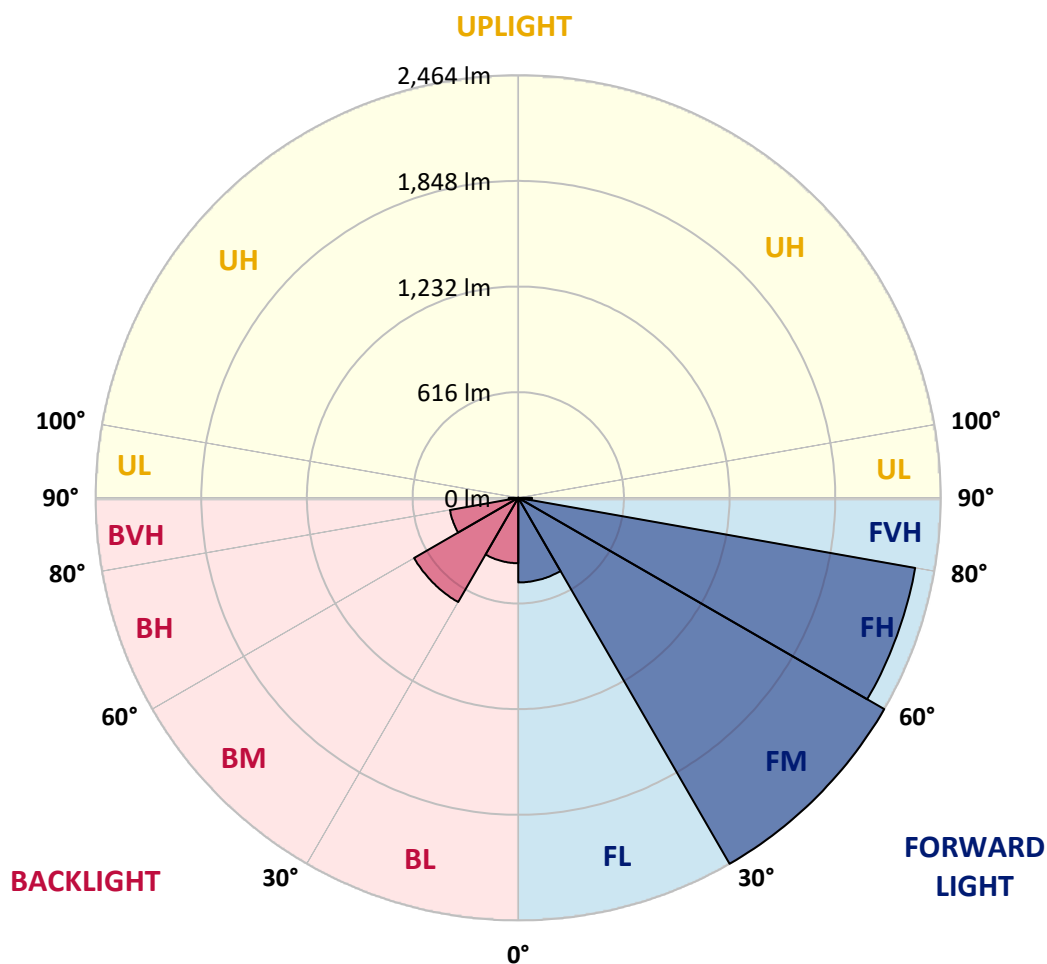


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	493.3	7.1			
FM (30°-60°)	2464.2	35.6			
FH (60°-80°)	2350.0	33.9			G2/5000
FVH (80°-90°)	80.0	1.2			G1/100
BL (0°-30°)	381.4	5.5	B1/500		
BM (30°-60°)	701.5	10.1	B1/1000		
BH (60°-80°)	404.8	5.8	B1/500		G1/500
BVH (80°-90°)	55.8	0.8			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1
2.5°	911.9	912.8	912.1	914.0	911.9	913.3	912.1	912.1	911.4	909.2	906.8
5°	926.2	928.1	926.9	928.8	926.2	926.7	924.5	924.5	922.4	917.8	913.0
7.5°	948.6	950.8	949.8	951.7	948.1	948.1	945.3	945.0	940.7	933.3	927.9
10°	975.4	978.2	977.3	980.1	977.3	978.2	975.4	975.4	969.6	959.1	952.2
12.5°	1014.3	1017.9	1015.2	1015.0	1013.8	1015.7	1013.3	1012.9	1007.6	993.3	983.7
15°	1066.3	1070.2	1064.7	1064.2	1057.5	1056.8	1056.8	1056.1	1052.7	1035.5	1019.8
17.5°	1126.3	1127.5	1122.7	1115.0	1106.5	1101.0	1100.2	1102.2	1102.2	1082.1	1057.0
20°	1185.0	1187.2	1183.3	1174.7	1163.8	1155.6	1149.9	1153.7	1153.5	1129.6	1094.0
22.5°	1249.0	1254.0	1248.3	1237.3	1224.4	1215.3	1205.3	1208.6	1208.9	1179.5	1130.3
25°	1331.8	1327.3	1323.7	1308.2	1289.8	1280.5	1271.2	1274.5	1273.6	1233.2	1167.8
27.5°	1405.1	1406.1	1401.3	1384.9	1363.6	1343.1	1342.6	1344.7	1341.2	1289.1	1203.2
30°	1490.4	1490.9	1484.2	1469.4	1446.2	1419.7	1413.5	1417.1	1409.4	1342.1	1240.4
32.5°	1575.2	1577.5	1570.1	1552.2	1533.6	1501.4	1489.0	1491.3	1472.2	1396.3	1278.8
35°	1649.4	1652.8	1650.4	1638.4	1618.1	1590.4	1575.6	1574.2	1550.6	1462.7	1329.7
37.5°	1725.1	1728.2	1725.6	1715.5	1707.4	1678.1	1670.2	1670.2	1629.1	1530.5	1394.4
40°	1802.9	1807.7	1804.6	1790.8	1783.8	1770.5	1751.6	1747.1	1702.7	1611.9	1499.9
42.5°	1875.3	1881.5	1893.9	1885.8	1871.7	1873.6	1835.6	1833.3	1800.8	1732.3	1632.5
45°	1978.0	1987.0	2008.0	2001.8	1999.0	1988.5	1943.3	1941.2	1928.8	1894.1	1797.0
47.5°	2089.9	2102.4	2140.3	2141.5	2172.3	2152.5	2091.1	2083.7	2086.6	2088.0	1997.8
50°	2193.1	2206.7	2269.0	2298.4	2371.0	2375.3	2277.1	2270.4	2281.7	2314.6	2231.8
52.5°	2275.5	2292.6	2370.5	2461.2	2585.6	2621.0	2506.1	2501.1	2509.4	2566.3	2496.3
55°	2335.9	2354.5	2439.3	2604.5	2803.1	2865.5	2769.7	2764.9	2770.2	2842.5	2784.0
57.5°	2350.0	2354.5	2477.5	2700.9	2986.7	3136.5	3092.3	3082.7	3056.9	3120.0	3101.6
60°	2283.8	2302.0	2445.9	2734.8	3128.8	3403.6	3429.4	3417.5	3345.1	3396.7	3381.9
62.5°	2149.6	2182.1	2328.2	2683.3	3184.4	3621.9	3760.1	3745.8	3621.2	3654.6	3583.4
65°	1930.4	1944.3	2097.8	2505.4	3113.8	3761.5	4055.0	4047.8	3891.0	3838.7	3620.7
67.5°	1538.4	1564.4	1694.8	2133.6	2824.6	3745.1	4283.0	4282.3	4067.2	3907.0	3488.6
69°	1215.3	1242.3	1366.5	1757.6	2499.4	3594.4	4321.2	4329.6	4116.8	3865.4	3300.0
70°	968.9	1000.2	1085.4	1480.4	2210.8	3395.8	4289.5	4304.5	4107.3	3796.9	3125.9
72.5°	412.4	437.7	498.3	763.1	1347.4	2535.7	3922.0	3978.8	3885.9	3475.0	2583.5
75°	180.0	187.9	215.4	311.1	598.1	1380.1	3072.5	3177.5	3322.7	2937.3	1924.5
77.5°	131.8	135.1	150.2	182.7	268.4	521.2	1975.8	2036.9	2396.3	2137.4	1180.5
80°	102.0	104.3	116.0	134.2	175.3	210.8	901.1	953.6	1347.4	1097.9	491.6
82.5°	81.2	82.9	91.0	98.8	121.1	127.7	299.2	331.9	497.4	303.2	130.1
85°	75.5	77.4	80.2	72.1	77.6	75.0	129.4	135.4	150.2	119.1	54.4
87.5°	34.1	40.4	79.5	56.1	41.3	32.9	53.0	55.4	62.3	62.6	24.1
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°	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1
2.5°	908.3	907.6	908.8	905.9	909.5	909.2	908.0	908.5	910.9	910.7	910.9
5°	913.8	913.3	914.7	912.6	916.9	918.3	918.5	920.7	923.3	924.0	924.0
7.5°	927.6	927.6	928.3	925.5	928.3	928.1	926.9	929.0	931.7	931.9	931.7
10°	951.5	951.7	950.5	943.1	940.7	934.3	928.3	928.6	931.9	934.5	935.3
12.5°	981.6	980.6	975.4	961.8	951.7	938.6	932.4	932.1	935.5	937.6	938.4
15°	1016.0	1013.3	999.7	977.5	959.8	947.0	936.9	934.5	932.6	930.2	930.5
17.5°	1048.4	1042.5	1019.8	989.0	970.4	953.2	933.8	918.3	907.6	901.3	899.4
20°	1081.4	1069.7	1037.0	999.7	976.1	944.8	907.6	876.0	856.5	847.4	845.7
22.5°	1111.5	1092.6	1053.0	1010.9	971.5	916.6	858.1	812.3	785.1	772.9	773.8
25°	1140.8	1114.6	1069.7	1018.8	948.6	867.0	789.4	733.0	701.5	687.9	687.4
27.5°	1166.6	1136.8	1087.8	1012.4	905.9	796.3	707.9	653.0	626.8	615.1	613.2
30°	1196.2	1164.7	1111.9	987.8	843.3	714.6	628.4	589.8	571.1	559.4	557.3
32.5°	1232.3	1202.7	1131.8	943.1	763.3	629.4	566.4	539.4	522.4	509.3	506.9
35°	1284.8	1252.8	1136.8	879.1	675.5	562.1	520.8	493.1	470.1	453.2	451.5
37.5°	1350.7	1315.6	1125.3	796.3	590.2	518.4	482.8	448.6	418.8	394.9	391.1
40°	1445.7	1392.7	1093.6	700.8	527.4	484.7	445.8	406.9	369.9	341.9	336.4
42.5°	1559.9	1483.2	1044.8	605.8	481.4	450.6	409.0	360.8	325.4	305.6	302.8
45°	1705.0	1577.3	977.3	522.7	436.0	416.4	369.4	325.0	303.0	288.4	286.0
47.5°	1870.7	1682.8	906.4	455.1	397.5	384.4	337.6	309.0	291.5	280.1	277.9
50°	2074.4	1802.0	831.2	399.7	358.9	346.0	322.6	300.1	286.3	277.4	275.3
52.5°	2304.1	1936.4	777.0	356.0	326.9	317.6	314.7	295.4	284.1	277.4	275.3
55°	2551.5	2073.2	718.5	319.2	299.2	301.8	309.4	295.8	288.2	280.1	277.0
57.5°	2799.1	2214.6	653.3	288.2	277.2	290.1	305.9	296.8	290.3	282.5	279.6
60°	2994.9	2304.1	552.3	262.2	259.8	277.2	297.3	289.6	281.3	281.5	281.0
62.5°	3086.3	2299.3	440.8	239.0	242.3	259.8	283.4	278.4	271.5	280.8	281.5
65°	3035.0	2184.7	343.1	218.0	223.7	241.6	269.1	272.9	275.3	293.2	295.6
67.5°	2819.6	1961.7	265.7	199.6	206.8	229.2	270.5	297.3	300.4	319.2	319.0
69°	2596.8	1752.6	230.9	190.1	198.4	232.3	289.1	312.8	301.1	321.1	318.3
70°	2410.1	1587.1	212.3	183.6	194.6	237.8	301.6	312.5	297.5	314.7	309.9
72.5°	1856.2	1141.8	180.0	171.7	181.7	227.5	305.1	305.6	289.1	292.5	284.4
75°	1273.1	721.6	157.1	155.4	162.1	205.1	293.7	292.0	267.4	262.6	256.0
77.5°	702.0	366.5	133.5	139.9	144.5	181.7	266.9	264.6	244.3	234.2	231.8
80°	270.8	160.5	112.7	124.4	127.3	157.3	234.0	231.8	214.9	202.0	198.4
82.5°	102.2	84.0	93.1	107.7	106.7	129.9	198.2	197.0	180.5	161.6	155.9
85°	47.3	50.4	73.8	88.8	81.9	96.2	158.5	160.7	140.6	118.2	118.2
87.5°	20.1	28.2	52.3	67.1	55.2	64.9	116.3	111.0	102.0	70.7	66.4
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)