

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: P650266

Luminaire Tested: **GLAN-SA2B-835-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-835-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5350.2 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

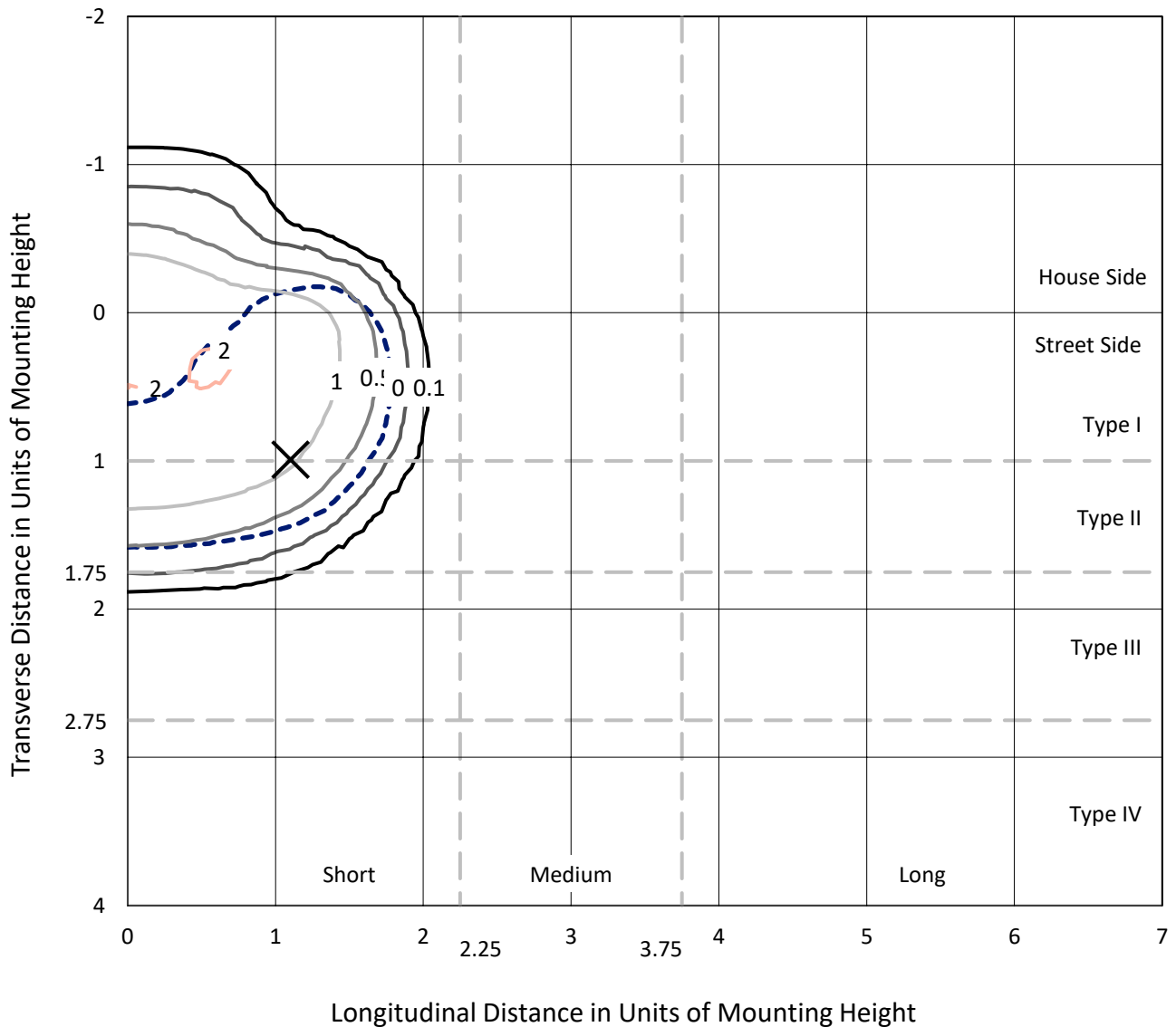
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

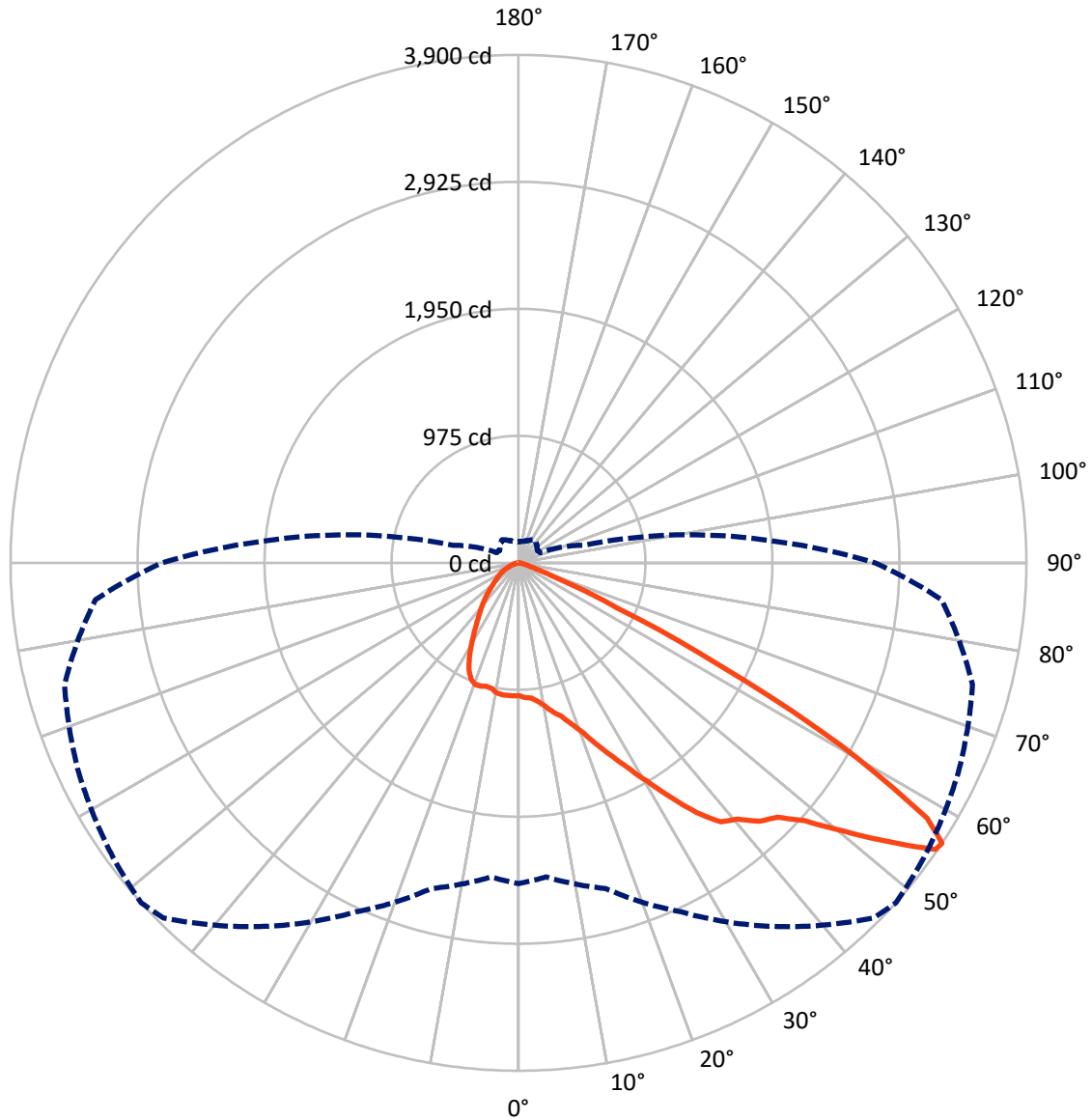
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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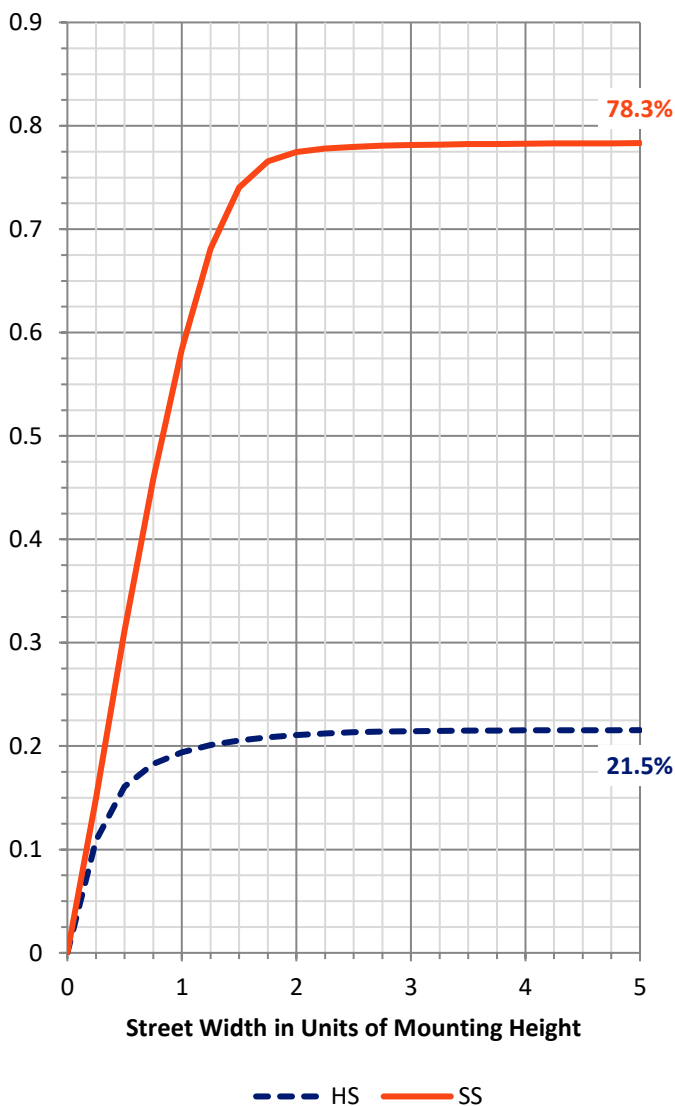
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1163.6	0.0	1163.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4186.7	0.0	4186.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	5350.2	0.0	5350.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	1.9
10°-20°	318.1	5.9
20°-30°	577.0	10.8
30°-40°	906.4	16.9
40°-50°	1322.2	24.7
50°-60°	1593.0	29.8
60°-70°	466.4	8.7
70°-80°	59.2	1.1
80°-90°	8.3	0.2
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°	5350.2	100.0
0°-180°	5350.2	100.0

Coefficient of Utilization

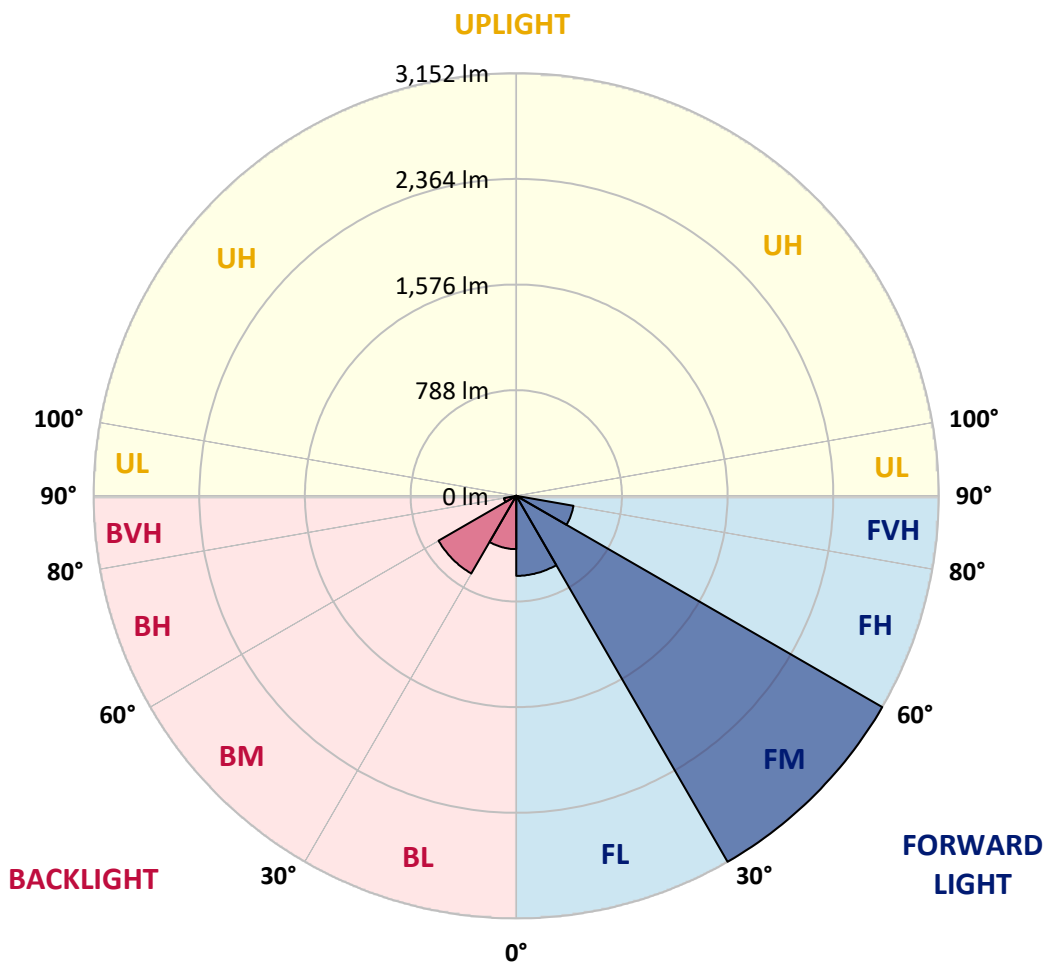


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.0	11.2			
FM (30°-60°)	3152.4	58.9			
FH (60°-80°)	433.1	8.1			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	397.7	7.4	B1/500		
BM (30°-60°)	669.3	12.5	B1/1000		
BH (60°-80°)	92.5	1.7	B0/110		G0/110
BVH (80°-90°)	4.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9
2.5°	1040.4	1035.5	1035.5	1027.8	1036.5	1032.6	1035.5	1025.8	1035.5	1021.0	1032.6
5°	1045.3	1046.2	1042.3	1047.3	1047.3	1053.1	1043.3	1052.1	1057.0	1046.2	1041.4
7.5°	1070.6	1072.6	1071.6	1067.7	1075.5	1074.5	1073.5	1066.7	1068.6	1064.7	1058.9
10°	1120.3	1119.3	1124.2	1114.4	1108.6	1115.4	1117.3	1106.6	1098.9	1096.0	1077.4
12.5°	1192.4	1180.7	1173.9	1164.2	1167.1	1157.3	1174.8	1156.3	1152.4	1134.9	1116.4
15°	1250.8	1248.9	1249.8	1234.2	1216.7	1220.6	1220.6	1210.9	1205.0	1183.6	1157.3
17.5°	1370.6	1329.8	1338.5	1319.0	1304.4	1303.5	1294.7	1296.6	1281.0	1236.2	1196.3
20°	1464.1	1446.7	1433.0	1399.8	1377.5	1384.3	1380.4	1370.6	1365.8	1307.3	1250.8
22.5°	1547.9	1553.8	1531.4	1522.6	1491.5	1494.4	1502.2	1493.4	1456.4	1396.0	1312.2
25°	1665.8	1659.0	1628.8	1618.1	1588.9	1599.6	1629.8	1622.9	1599.6	1490.4	1359.9
27.5°	1805.1	1781.7	1787.6	1738.9	1710.6	1740.8	1776.9	1811.0	1744.8	1601.5	1416.4
30°	1903.6	1879.2	1877.2	1875.3	1868.5	1903.6	1945.4	1976.6	1923.0	1712.6	1509.9
32.5°	1952.3	1958.0	1974.6	1968.8	2028.2	2100.3	2144.2	2189.0	2121.7	1893.8	1633.7
35°	2081.8	2044.8	2081.8	2085.7	2147.1	2300.0	2355.5	2462.7	2446.1	2150.0	1784.7
37.5°	2157.8	2154.8	2159.7	2196.7	2256.1	2445.2	2524.1	2606.8	2575.7	2303.9	1972.7
40°	2283.5	2291.2	2290.3	2318.5	2383.8	2554.2	2586.4	2653.6	2656.6	2517.3	2249.3
42.5°	2485.1	2453.9	2433.5	2462.7	2554.2	2648.7	2713.0	2699.4	2795.9	2776.4	2604.9
45°	2666.3	2684.8	2654.6	2703.3	2736.4	2787.1	2785.1	2814.3	2937.1	3029.7	2872.8
47.5°	2835.8	2847.5	2862.1	2895.2	2967.3	2975.1	2958.6	2945.9	3115.4	3210.8	3080.3
50°	2937.1	2947.8	3016.0	3075.5	3209.9	3227.4	3237.2	3205.0	3319.9	3330.6	3276.2
52.5°	2909.9	2921.5	3017.0	3212.8	3427.1	3587.9	3558.7	3504.1	3497.3	3539.2	3457.3
55°	2668.2	2657.5	2789.0	3093.9	3495.3	3881.1	3884.9	3827.5	3717.4	3689.2	3430.0
56°	2462.7	2420.8	2588.4	2956.6	3407.6	3855.7	3899.6	3838.2	3734.9	3608.3	3261.5
57.5°	2017.5	2057.4	2224.0	2528.9	3104.7	3673.6	3698.9	3684.2	3606.3	3394.0	2869.9
60°	1112.5	1182.6	1329.8	1702.9	2210.4	2819.2	2839.7	2958.6	2973.1	2599.1	1974.6
62.5°	472.5	464.7	617.6	892.3	1258.6	1701.9	1739.8	1861.7	1884.1	1498.3	990.7
65°	191.9	202.6	279.6	449.1	665.3	775.4	829.0	869.0	943.0	618.6	365.3
67.5°	126.6	125.7	164.7	256.2	358.5	345.9	345.9	365.3	338.0	252.3	157.9
70°	90.6	93.5	117.8	177.3	223.1	165.6	158.8	152.0	172.4	166.5	127.6
72.5°	59.4	63.3	78.9	106.2	116.0	90.6	90.6	109.1	142.2	134.4	104.2
75°	39.0	39.9	48.7	61.4	57.5	46.7	51.6	73.1	103.3	99.4	74.1
77.5°	26.3	27.2	33.1	39.9	32.2	26.3	28.3	37.0	50.7	50.7	39.0
80°	9.7	10.7	13.6	12.7	14.6	18.5	20.4	25.3	30.2	30.2	26.3
82.5°	0.0	0.9	2.9	6.8	10.7	14.6	16.6	19.5	22.4	25.3	24.4
85°	0.0	0.9	2.9	4.9	7.8	8.8	9.7	6.8	5.9	5.9	4.9
87.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	2.0	0.9	0.9
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°	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9	1021.9
2.5°	1021.9	1021.0	1021.0	1018.0	1023.9	1021.0	1022.9	1021.9	1009.2	1019.0	1012.2
5°	1032.6	1039.4	1028.7	1026.7	1019.0	1021.9	1021.9	1012.2	1021.0	1019.9	1018.0
7.5°	1059.9	1048.2	1036.5	1024.8	1022.9	1019.9	1009.2	1005.4	1012.2	1004.4	1016.0
10°	1071.6	1073.5	1056.0	1040.4	1025.8	1005.4	990.7	982.0	971.2	982.9	989.7
12.5°	1125.2	1105.7	1075.5	1051.1	1001.5	981.0	966.4	962.5	981.0	984.9	978.0
15°	1143.6	1140.8	1101.8	1047.3	995.6	971.2	974.1	966.4	968.3	958.5	960.5
17.5°	1181.6	1148.5	1102.8	1034.6	994.6	988.8	971.2	940.1	922.5	914.8	921.6
20°	1223.5	1191.4	1125.2	1039.4	1003.4	987.8	930.4	892.3	856.3	836.8	837.8
22.5°	1260.6	1220.6	1115.4	1041.4	1011.2	946.9	877.7	802.7	757.9	727.7	728.7
25°	1305.4	1248.9	1119.3	1045.3	990.7	881.6	782.2	709.2	655.6	635.2	642.0
27.5°	1330.7	1266.4	1140.8	1054.1	937.2	789.1	681.9	613.7	582.6	572.8	571.8
30°	1406.7	1305.4	1167.1	1036.5	847.5	689.7	590.4	548.5	518.3	509.5	511.5
32.5°	1519.7	1376.5	1201.1	990.7	756.0	601.0	531.0	499.7	471.5	454.9	453.0
35°	1614.2	1498.3	1237.2	919.6	649.7	532.8	489.1	450.1	407.2	388.7	383.8
37.5°	1794.4	1635.6	1229.4	812.4	548.5	482.2	444.2	396.5	359.5	334.1	331.2
40°	2034.1	1796.4	1191.4	681.9	473.5	437.4	396.5	350.7	304.9	283.4	281.6
42.5°	2325.4	1993.1	1122.3	549.4	398.5	392.6	355.6	302.9	262.1	246.5	247.4
45°	2562.1	2161.7	1052.1	441.3	342.9	348.7	316.6	266.9	238.7	226.0	226.0
47.5°	2772.4	2275.6	976.1	364.3	291.3	304.9	276.6	247.4	223.1	213.4	211.4
50°	2975.1	2391.6	900.1	295.2	248.4	262.1	259.1	235.8	216.3	204.6	205.5
52.5°	3101.8	2410.1	803.7	241.6	217.2	232.9	242.6	221.1	199.7	192.9	191.0
55°	2946.8	2171.4	623.5	198.7	184.1	204.6	223.1	198.7	182.2	170.5	169.5
56°	2738.4	1941.5	521.2	183.1	174.4	196.8	216.3	190.0	171.5	164.7	159.7
57.5°	2318.5	1588.9	384.8	162.7	161.7	183.1	205.5	181.2	159.7	153.9	153.9
60°	1445.7	894.3	232.9	136.4	140.3	162.7	185.1	161.7	142.2	142.2	145.2
62.5°	658.5	372.2	141.3	116.0	120.8	140.3	164.7	146.1	135.4	146.1	148.1
65°	224.1	160.7	102.3	92.6	95.4	116.0	141.3	148.1	147.1	153.9	157.9
67.5°	125.7	103.3	85.7	77.0	75.0	85.7	116.0	148.1	142.2	139.3	141.3
70°	106.2	87.7	76.0	68.2	65.3	69.1	89.7	112.0	100.3	97.4	95.4
72.5°	85.7	73.1	66.2	61.4	52.6	44.8	41.0	42.8	47.8	50.7	55.5
75°	60.4	55.5	55.5	49.7	38.0	28.3	22.4	18.5	12.7	8.8	9.7
77.5°	34.1	34.1	35.1	30.2	24.4	18.5	13.6	9.7	4.9	2.0	0.9
80°	23.4	25.3	27.2	24.4	20.4	16.6	11.7	6.8	2.9	0.0	0.0
82.5°	23.4	26.3	28.3	24.4	20.4	15.6	11.7	6.8	2.9	0.9	0.0
85°	4.9	5.9	6.8	7.8	11.7	11.7	8.8	5.9	2.9	0.9	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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)