

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: McGRAW-EDISON

Report Number: P634089

Luminaire Tested: GWS-SA3B-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634089  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

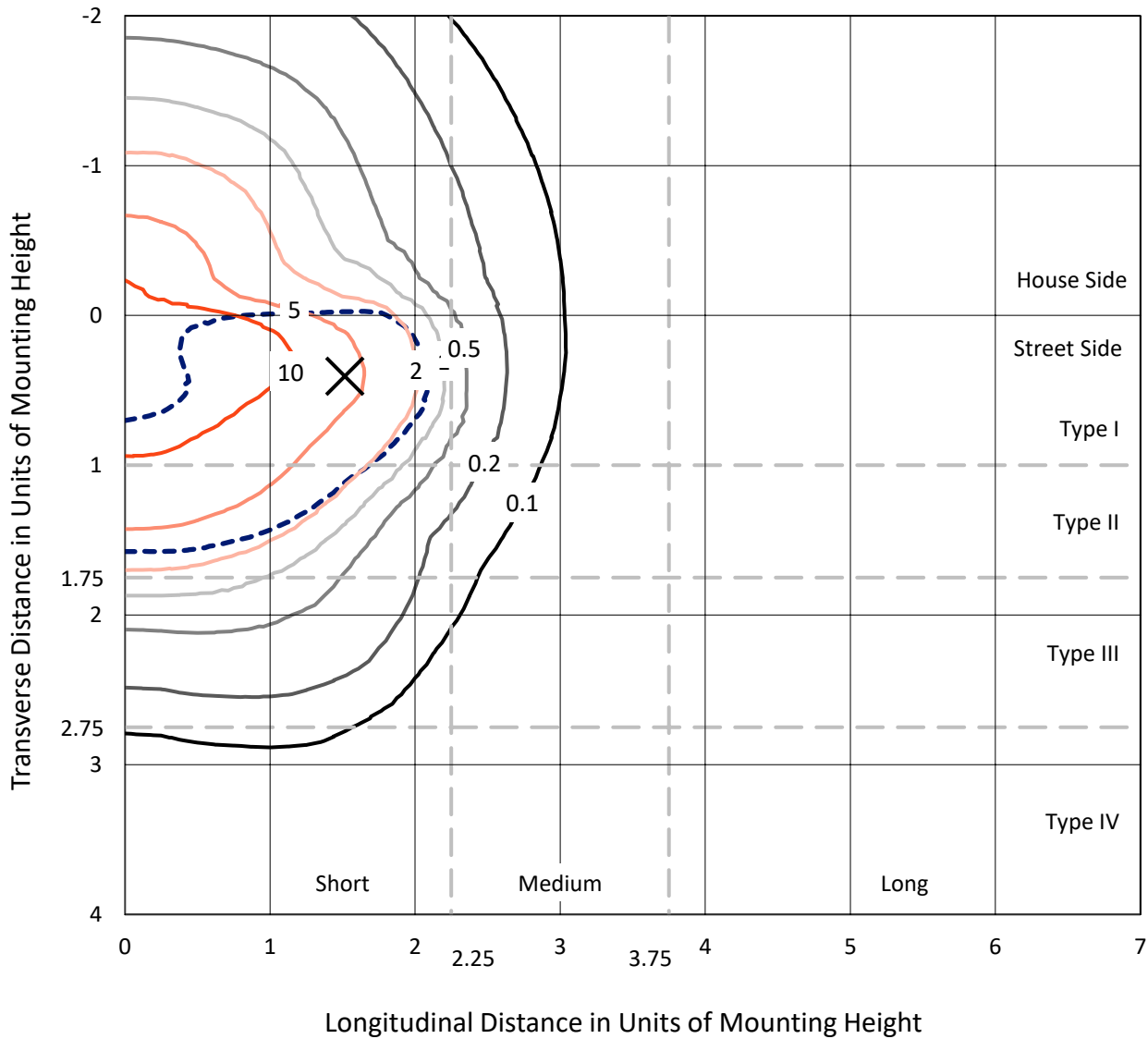
Lumens per Lamp: N/A  
Luminaire Lumens: 6387.7 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
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

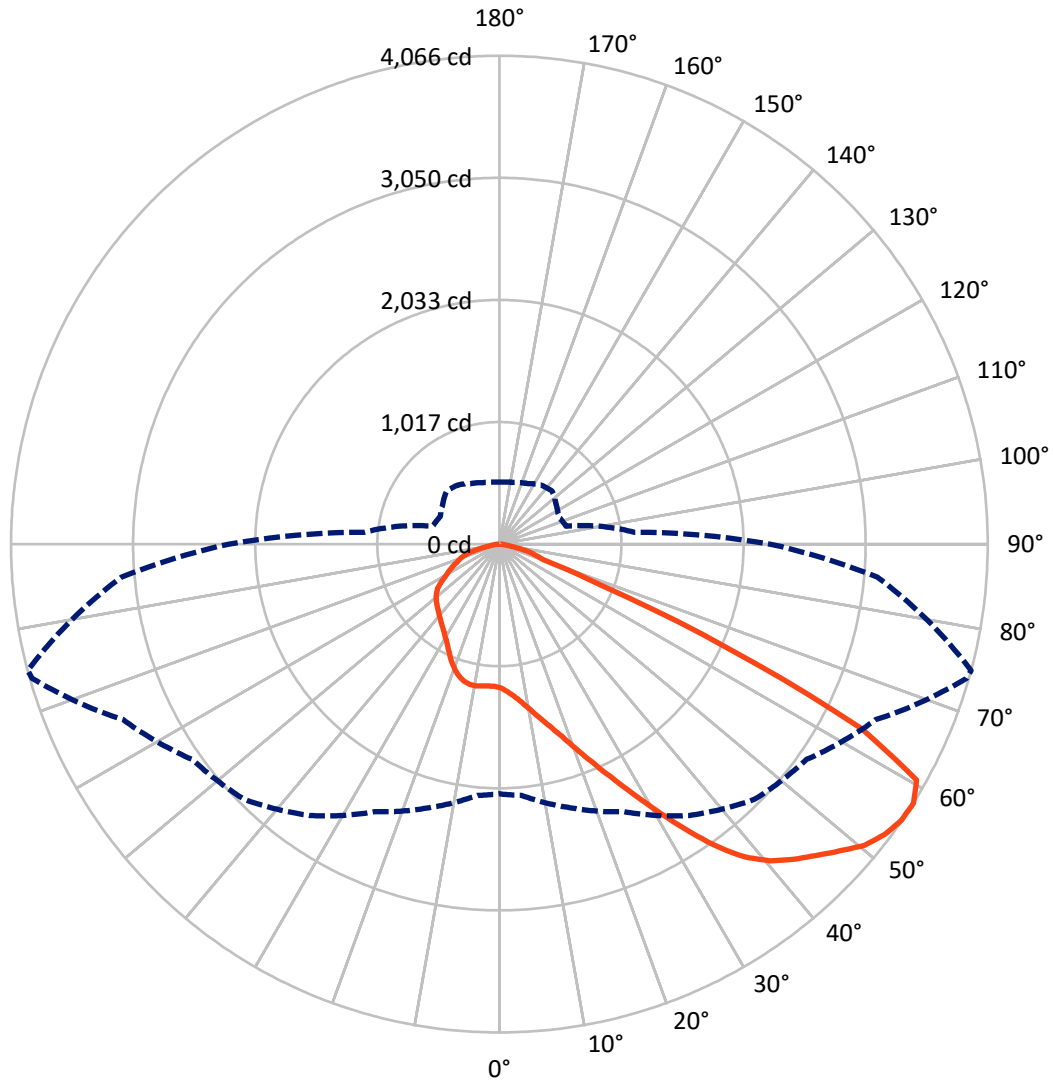
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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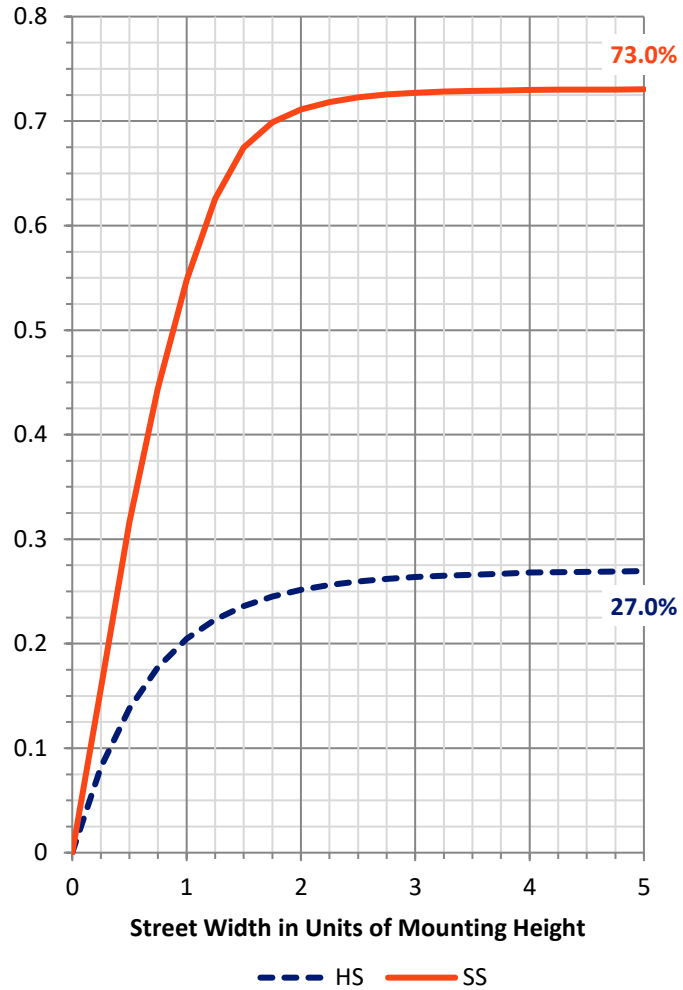
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1728.0	0.0	1728.0
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	4659.7	0.0	4659.7
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	6387.7	0.0	6387.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.7	1.9
10°-20°	381.1	6.0
20°-30°	675.9	10.6
30°-40°	1034.7	16.2
40°-50°	1440.8	22.6
50°-60°	1650.8	25.8
60°-70°	848.2	13.3
70°-80°	213.6	3.3
80°-90°	22.8	0.4
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°	6387.7	100.0
0°-180°	6387.7	100.0

**Coefficient of Utilization**



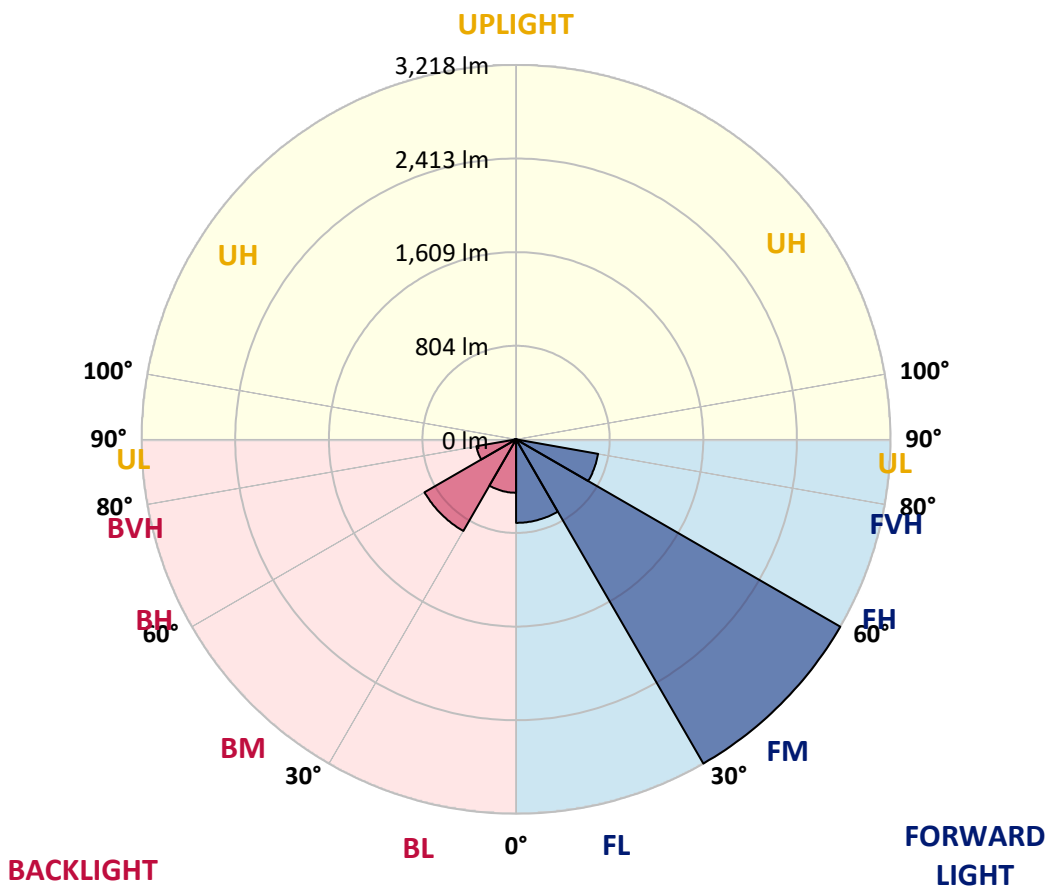
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	717.7	11.2			
FM (30°-60°)	3217.6	50.4			
FH (60°-80°)	716.0	11.2			G1/1800
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	459.1	7.2	B1/500		
BM (30°-60°)	908.8	14.2	B1/1000		
BH (60°-80°)	345.8	5.4	B1/500		G1/500
BVH (80°-90°)	14.4	0.2			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3
2.5°	1285.2	1288.5	1285.2	1290.7	1279.7	1274.8	1262.7	1244.6	1230.3	1228.1	1212.2
5°	1385.2	1392.3	1388.0	1385.8	1370.9	1359.9	1341.8	1305.6	1275.9	1271.5	1240.2
7.5°	1449.5	1454.4	1454.4	1456.1	1450.6	1437.9	1418.7	1375.9	1334.1	1327.5	1280.3
10°	1470.9	1474.7	1481.9	1495.6	1506.6	1510.4	1497.8	1456.6	1405.5	1398.9	1333.0
12.5°	1475.8	1480.2	1491.2	1516.5	1546.7	1574.1	1576.3	1546.1	1489.0	1481.9	1394.0
15°	1485.2	1489.6	1504.4	1535.7	1580.2	1632.9	1665.3	1644.4	1581.3	1573.6	1463.2
17.5°	1484.1	1489.0	1511.0	1552.7	1612.6	1688.9	1751.6	1760.3	1695.0	1681.8	1541.7
20°	1481.3	1485.7	1509.3	1560.4	1634.6	1739.5	1852.6	1898.2	1827.9	1815.8	1633.5
22.5°	1503.3	1508.2	1526.4	1568.7	1646.1	1778.5	1946.0	2055.8	1985.5	1968.5	1738.9
25°	1552.7	1559.9	1570.9	1600.0	1667.0	1813.1	2041.6	2234.3	2162.4	2142.1	1853.7
27.5°	1629.1	1637.9	1653.2	1667.0	1713.7	1857.0	2136.6	2434.3	2362.3	2340.9	1975.1
30°	1722.4	1734.0	1753.7	1763.1	1794.9	1921.8	2239.8	2640.2	2598.5	2568.8	2111.9
32.5°	1851.5	1867.4	1886.1	1888.9	1908.1	2020.1	2342.0	2844.6	2844.0	2823.1	2267.3
35°	2019.6	2036.6	2040.5	2044.3	2053.6	2155.3	2465.6	3030.8	3102.7	3078.5	2436.5
37.5°	2203.0	2227.8	2233.8	2216.8	2229.9	2317.8	2604.5	3180.1	3327.9	3302.1	2600.1
40°	2399.1	2409.0	2425.5	2398.6	2415.0	2504.0	2740.7	3275.7	3496.0	3468.5	2729.2
42.5°	2539.7	2557.8	2582.6	2572.7	2582.0	2663.3	2836.3	3321.9	3615.7	3588.2	2822.0
45°	2692.4	2697.9	2713.8	2711.6	2717.1	2792.9	2905.0	3342.2	3722.8	3698.1	2901.1
47.5°	2825.3	2833.6	2844.0	2831.9	2819.8	2869.3	2961.0	3359.8	3846.4	3816.7	2984.1
50°	2953.3	2960.4	2973.1	2937.9	2892.9	2905.5	2988.5	3383.9	3962.3	3941.4	3049.4
52.5°	2976.9	2984.6	3043.9	3051.1	2993.4	2948.9	3036.8	3437.2	4030.4	4017.2	3073.0
55°	2679.8	2693.5	2811.6	2947.3	3089.5	3075.2	3114.2	3465.2	4057.3	4060.6	3115.3
57.5°	2080.0	2099.8	2272.2	2458.4	2757.8	3005.5	3124.1	3458.1	4048.0	4066.1	3158.7
60°	1364.3	1375.9	1580.2	1788.9	2099.2	2442.0	2796.2	3329.5	3965.0	3990.8	3147.7
62.5°	823.9	837.1	1001.3	1159.5	1342.4	1571.4	1896.6	2675.9	3323.5	3381.2	2521.0
65°	575.1	592.6	736.5	866.7	929.9	882.6	960.6	1494.5	2070.7	2094.8	1540.6
67.5°	416.9	429.0	547.1	701.9	771.7	623.4	475.1	661.8	901.9	910.7	635.5
70°	273.0	286.7	393.8	534.4	630.0	505.3	355.4	358.1	379.5	383.9	369.1
72.5°	149.9	158.2	243.3	354.8	372.4	302.1	277.4	297.7	312.5	312.5	316.4
75°	77.4	84.6	99.4	117.0	141.2	165.3	199.9	230.1	246.1	247.2	245.5
77.5°	39.5	42.3	53.3	57.7	63.2	73.6	95.6	122.5	136.8	142.3	141.2
80°	18.7	19.8	22.5	26.4	32.4	41.2	51.6	61.5	70.3	71.4	77.4
82.5°	9.9	11.0	12.1	14.3	17.6	22.0	30.2	36.3	41.7	42.8	47.8
85°	3.8	4.4	4.9	5.5	7.7	9.3	12.6	17.0	20.9	20.9	24.7
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.2	2.7	3.8	3.8	6.6
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°	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3	1196.3
2.5°	1208.3	1192.4	1185.3	1173.7	1164.4	1154.0	1145.7	1139.7	1135.8	1133.6	1131.5
5°	1228.1	1204.0	1184.7	1161.7	1145.7	1130.4	1117.7	1108.9	1104.5	1101.2	1099.0
7.5°	1258.9	1226.5	1190.2	1154.5	1126.5	1101.8	1085.9	1076.5	1070.5	1068.3	1066.6
10°	1301.2	1256.1	1196.3	1139.7	1097.9	1071.0	1060.0	1055.7	1056.2	1055.1	1054.6
12.5°	1349.0	1287.4	1194.6	1113.3	1067.2	1051.3	1051.8	1059.0	1067.2	1069.4	1069.9
15°	1400.6	1318.2	1178.7	1079.3	1043.0	1044.7	1059.0	1076.0	1091.4	1097.4	1098.5
17.5°	1456.6	1344.0	1149.6	1041.9	1023.2	1040.8	1067.2	1095.2	1117.7	1127.6	1130.4
20°	1519.2	1366.0	1108.4	1005.1	1004.6	1033.7	1072.1	1108.9	1137.5	1150.7	1152.9
22.5°	1585.7	1379.7	1057.9	971.1	985.4	1024.3	1068.3	1106.7	1136.9	1150.1	1152.9
25°	1652.7	1384.1	1002.4	939.8	965.6	1009.5	1049.6	1080.4	1108.9	1120.5	1122.7
27.5°	1715.3	1371.5	949.7	912.9	947.5	987.5	1014.5	1030.9	1050.7	1059.5	1061.1
30°	1779.0	1346.2	905.2	891.4	927.1	957.3	969.4	970.5	978.2	978.2	979.3
32.5°	1843.3	1308.9	866.2	870.6	901.9	921.6	923.3	910.7	901.3	885.9	885.4
35°	1917.4	1271.0	834.3	846.9	872.2	884.3	879.3	855.2	832.7	807.4	806.3
37.5°	1986.1	1232.0	807.4	822.8	838.7	847.5	836.0	806.8	788.2	762.4	758.5
40°	2042.7	1196.8	781.6	797.5	805.2	812.9	794.2	770.6	773.3	759.1	758.5
42.5°	2075.6	1162.8	757.4	769.5	774.4	779.9	763.5	745.9	760.7	749.7	750.3
45°	2099.8	1133.1	735.4	739.8	751.9	760.2	744.8	725.0	728.3	686.0	676.1
47.5°	2127.2	1116.6	714.6	710.2	731.6	745.9	722.3	693.7	673.9	632.2	628.3
50°	2156.3	1110.6	692.6	680.5	706.3	720.1	692.6	656.9	631.1	608.6	606.4
52.5°	2166.2	1110.0	665.1	644.8	670.6	689.9	666.8	630.5	599.8	577.8	576.7
55°	2205.2	1126.0	630.0	595.9	620.1	659.6	642.6	590.4	565.7	555.8	554.7
57.5°	2250.8	1128.7	574.5	542.7	576.2	622.8	601.4	556.4	529.5	517.4	516.3
60°	2232.1	1061.1	515.2	502.0	538.8	588.2	568.5	529.5	498.2	486.6	485.5
62.5°	1701.0	749.2	471.8	466.9	498.7	538.3	534.4	493.8	464.1	455.9	454.8
65°	1023.2	526.2	430.1	429.5	452.0	489.9	494.9	461.9	430.6	419.1	419.1
67.5°	505.9	402.6	382.8	380.1	394.4	421.3	442.1	415.2	388.9	377.9	376.2
70°	357.6	354.8	348.2	340.5	343.3	354.3	363.1	340.5	312.5	301.5	299.3
72.5°	309.2	309.8	305.4	299.3	297.1	289.5	281.8	265.3	248.3	236.7	237.8
75°	240.0	241.1	243.9	241.7	235.6	227.4	219.2	198.3	184.5	173.6	171.4
77.5°	140.1	145.6	154.3	152.1	153.2	141.7	138.4	118.1	105.5	97.8	96.1
80°	79.1	82.4	86.2	89.0	85.7	80.7	73.6	62.6	58.8	53.3	52.2
82.5°	47.8	51.1	52.7	54.9	53.8	47.2	41.7	34.6	31.3	28.6	28.0
85°	24.2	26.4	28.0	29.1	25.8	21.4	19.2	15.4	13.2	11.5	11.5
87.5°	6.0	6.6	7.7	6.6	6.0	2.7	2.2	0.5	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)