

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: P634584

Luminaire Tested: GWS-SA3C-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634584
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-SA3C-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: 8566.6 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

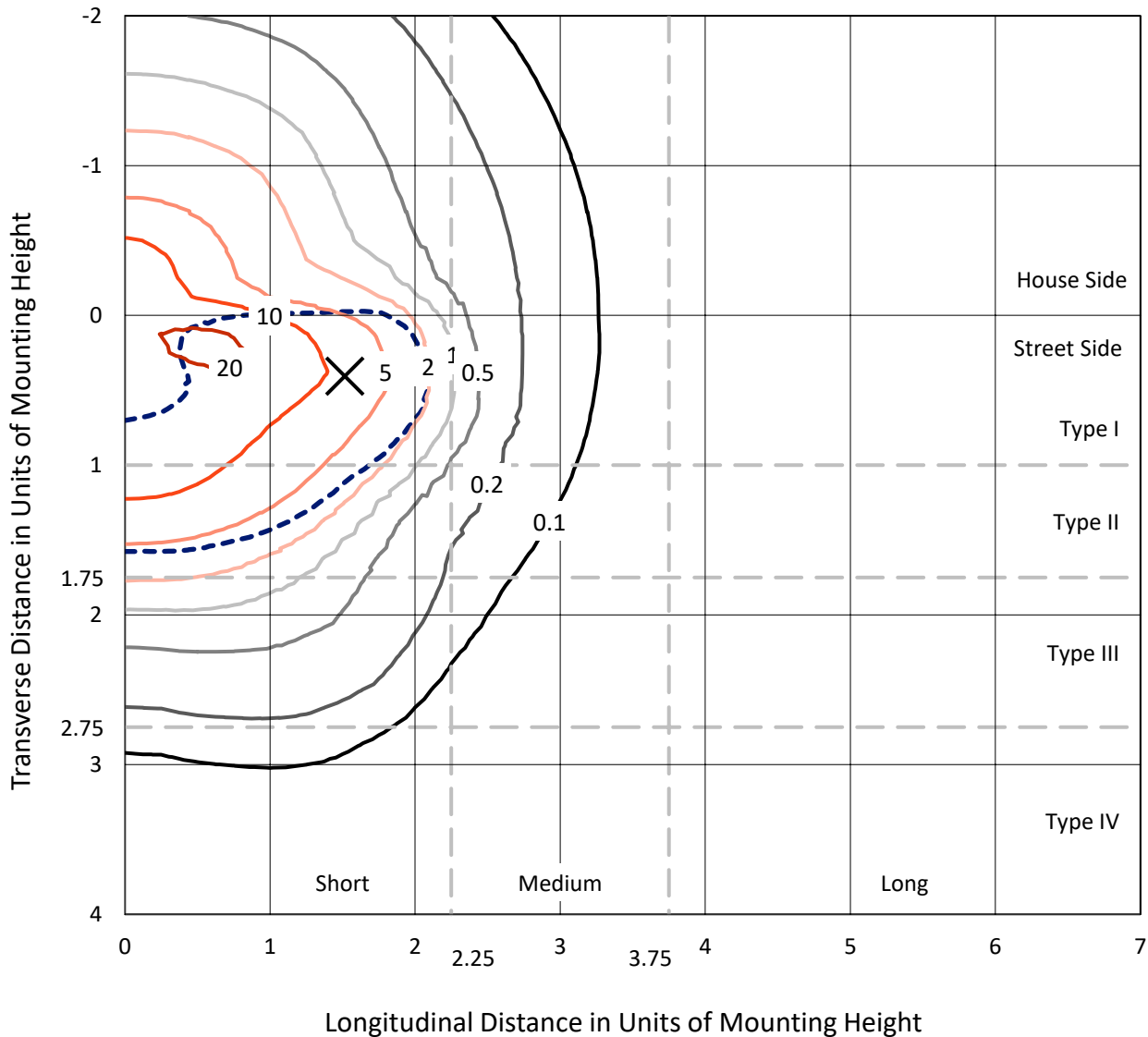
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634584
 CATALOG NUMBER: GWS-SA3C-722-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

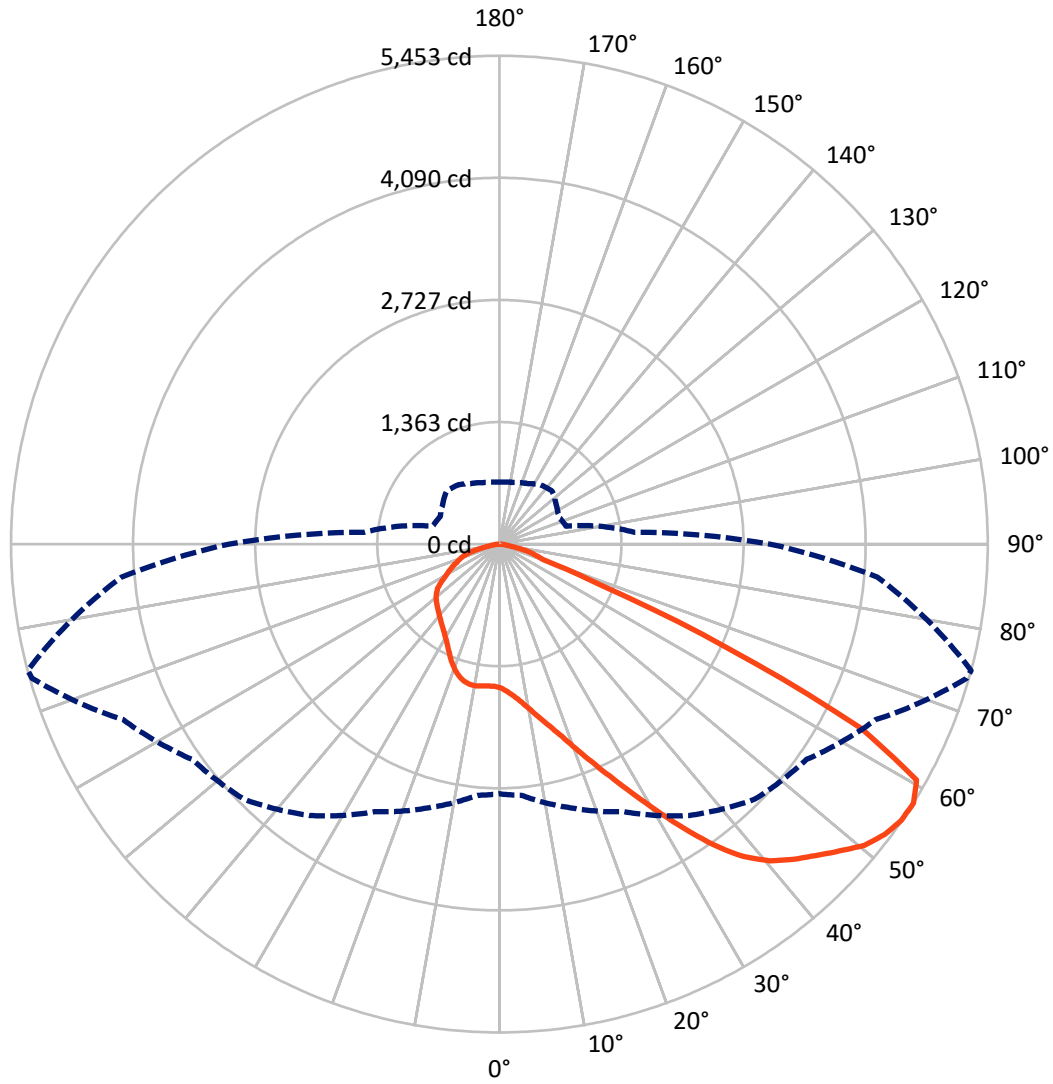
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.7 fc
 Type II - Short - N/A

REPORT NUMBER: P634584
CATALOG NUMBER: GWS-SA3C-722-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634584

CATALOG NUMBER: GWS-SA3C-722-U-T2-W-GRSWH

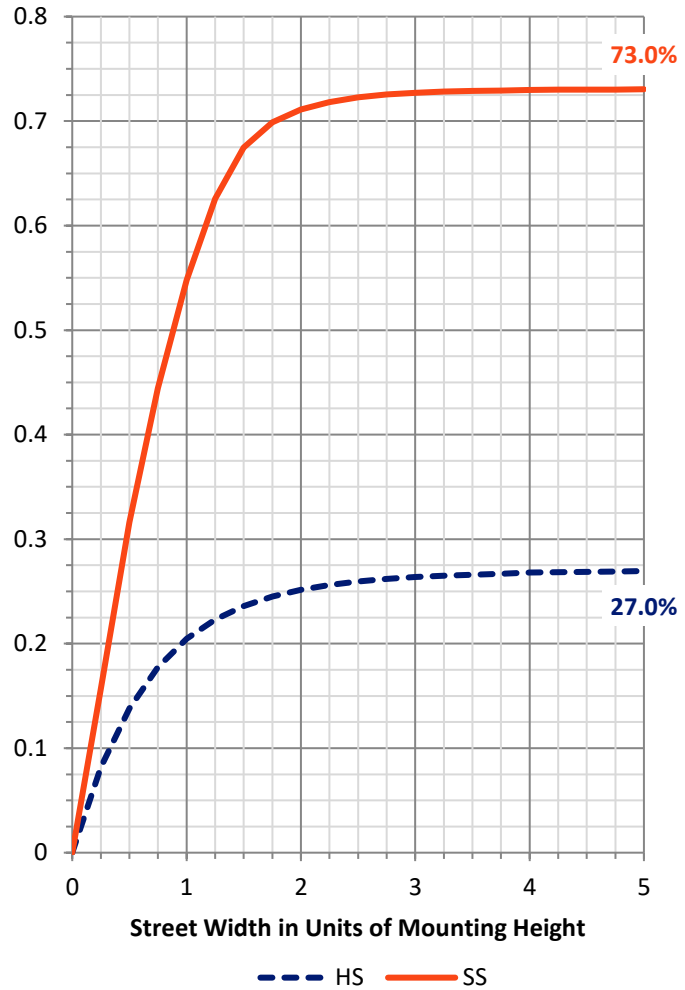
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2317.4	0.0	2317.4
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	6249.2	0.0	6249.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	8566.6	0.0	8566.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	1.9
10°-20°	511.1	6.0
20°-30°	906.5	10.6
30°-40°	1387.7	16.2
40°-50°	1932.2	22.6
50°-60°	2214.0	25.8
60°-70°	1137.6	13.3
70°-80°	286.4	3.3
80°-90°	30.6	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°	8566.6	100.0
0°-180°	8566.6	100.0

Coefficient of Utilization



REPORT NUMBER: P634584

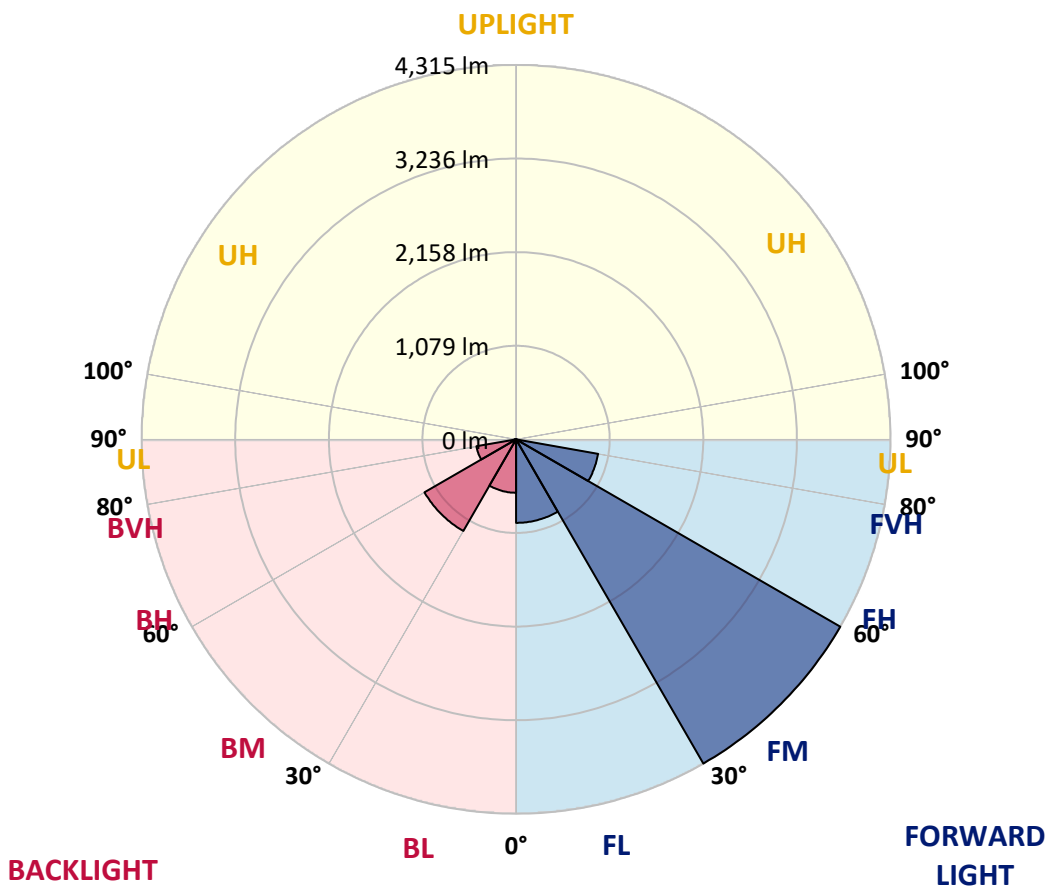
CATALOG NUMBER: GWS-SA3C-722-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	962.5	11.2			
FM (30°-60°)	4315.1	50.4			
FH (60°-80°)	960.2	11.2			G1/1800
FVH (80°-90°)	11.3	0.1			G1/100
BL (0°-30°)	615.7	7.2	B2/1000		
BM (30°-60°)	1218.8	14.2	B2/2500		
BH (60°-80°)	463.7	5.4	B1/500		G1/500
BVH (80°-90°)	19.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P634584

CATALOG NUMBER: GWS-SA3C-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3
2.5°	1723.6	1728.1	1723.6	1731.0	1716.3	1709.7	1693.4	1669.1	1650.0	1647.0	1625.7
5°	1857.7	1867.3	1861.4	1858.4	1838.6	1823.8	1799.5	1750.9	1711.1	1705.2	1663.2
7.5°	1943.9	1950.5	1950.5	1952.7	1945.4	1928.4	1902.6	1845.2	1789.2	1780.4	1717.0
10°	1972.6	1977.8	1987.4	2005.8	2020.5	2025.7	2008.7	1953.5	1885.0	1876.1	1787.7
12.5°	1979.2	1985.1	1999.9	2033.8	2074.3	2111.1	2114.0	2073.5	1996.9	1987.4	1869.5
15°	1991.8	1997.7	2017.6	2059.5	2119.2	2189.9	2233.4	2205.4	2120.7	2110.4	1962.3
17.5°	1990.3	1996.9	2026.4	2082.4	2162.7	2265.1	2349.0	2360.8	2273.2	2255.5	2067.6
20°	1986.6	1992.5	2024.2	2092.7	2192.1	2332.8	2484.6	2545.7	2451.4	2435.2	2190.7
22.5°	2016.1	2022.7	2047.0	2103.7	2207.6	2385.1	2609.8	2757.1	2662.8	2640.0	2332.1
25°	2082.4	2091.9	2106.7	2145.7	2235.6	2431.5	2737.9	2996.5	2900.0	2872.7	2486.0
27.5°	2184.8	2196.5	2217.2	2235.6	2298.2	2490.5	2865.4	3264.6	3168.1	3139.4	2648.8
30°	2310.0	2325.5	2352.0	2364.5	2407.2	2577.4	3003.9	3540.8	3484.9	3445.1	2832.2
32.5°	2483.1	2504.4	2529.5	2533.2	2559.0	2709.2	3140.9	3814.9	3814.1	3786.1	3040.7
35°	2708.5	2731.3	2736.5	2741.6	2754.2	2890.4	3306.6	4064.6	4161.1	4128.7	3267.6
37.5°	2954.5	2987.7	2995.8	2972.9	2990.6	3108.5	3493.0	4264.9	4463.1	4428.4	3487.1
40°	3217.5	3230.7	3252.8	3216.7	3238.8	3358.2	3675.6	4393.1	4688.5	4651.6	3660.2
42.5°	3406.0	3430.4	3463.5	3450.2	3462.8	3571.8	3803.8	4455.0	4849.0	4812.2	3784.7
45°	3610.8	3618.2	3639.5	3636.6	3644.0	3745.6	3895.9	4482.2	4992.7	4959.5	3890.7
47.5°	3789.1	3800.1	3814.1	3797.9	3781.7	3848.0	3971.0	4505.8	5158.4	5118.6	4002.0
50°	3960.7	3970.3	3987.2	3940.1	3879.7	3896.6	4007.8	4538.2	5313.8	5285.9	4089.6
52.5°	3992.4	4002.7	4082.2	4091.8	4014.5	3954.8	4072.7	4609.7	5405.2	5387.5	4121.3
55°	3593.9	3612.3	3770.7	3952.6	4143.4	4124.2	4176.5	4647.2	5441.3	5445.7	4178.0
57.5°	2789.5	2816.0	3047.3	3297.0	3698.5	4030.7	4189.8	4637.6	5428.8	5453.1	4236.2
60°	1829.7	1845.2	2119.2	2399.1	2815.3	3274.9	3750.0	4465.3	5317.5	5352.1	4221.5
62.5°	1104.9	1122.6	1342.8	1555.0	1800.3	2107.4	2543.5	3588.7	4457.2	4534.5	3381.0
65°	771.2	794.8	987.8	1162.4	1247.1	1183.7	1288.3	2004.3	2777.0	2809.4	2066.2
67.5°	559.1	575.3	733.7	941.4	1034.9	836.0	637.2	887.6	1209.5	1221.3	852.2
70°	366.1	384.5	528.1	716.7	844.9	677.7	476.6	480.3	509.0	514.9	495.0
72.5°	201.1	212.1	326.3	475.8	499.4	405.1	372.0	399.2	419.1	419.1	424.3
75°	103.9	113.4	133.3	156.9	189.3	221.7	268.1	308.6	330.0	331.5	329.3
77.5°	53.0	56.7	71.5	77.3	84.7	98.7	128.2	164.3	183.4	190.8	189.3
80°	25.0	26.5	30.2	35.4	43.5	55.2	69.2	82.5	94.3	95.8	103.9
82.5°	13.3	14.7	16.2	19.2	23.6	29.5	40.5	48.6	56.0	57.5	64.1
85°	5.2	5.9	6.6	7.4	10.3	12.5	16.9	22.8	28.0	28.0	33.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	2.9	3.7	5.2	5.2	8.8
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: P634584

CATALOG NUMBER: GWS-SA3C-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3	1604.3
2.5°	1620.5	1599.2	1589.6	1574.1	1561.6	1547.6	1536.6	1528.4	1523.3	1520.3	1517.4
5°	1647.0	1614.6	1588.8	1557.9	1536.6	1515.9	1499.0	1487.2	1481.3	1476.9	1473.9
7.5°	1688.3	1644.8	1596.2	1548.3	1510.8	1477.6	1456.3	1443.7	1435.6	1432.7	1430.5
10°	1745.0	1684.6	1604.3	1528.4	1472.5	1436.4	1421.6	1415.7	1416.5	1415.0	1414.3
12.5°	1809.1	1726.6	1602.1	1493.1	1431.2	1409.9	1410.6	1420.2	1431.2	1434.2	1434.9
15°	1878.3	1767.8	1580.7	1447.4	1398.8	1401.0	1420.2	1443.0	1463.6	1471.7	1473.2
17.5°	1953.5	1802.5	1541.7	1397.3	1372.3	1395.9	1431.2	1468.8	1499.0	1512.2	1515.9
20°	2037.4	1831.9	1486.5	1348.0	1347.2	1386.3	1437.8	1487.2	1525.5	1543.2	1546.1
22.5°	2126.6	1850.3	1418.7	1302.3	1321.5	1373.8	1432.7	1484.3	1524.8	1542.4	1546.1
25°	2216.4	1856.2	1344.3	1260.3	1294.9	1353.9	1407.6	1448.9	1487.2	1502.7	1505.6
27.5°	2300.4	1839.3	1273.6	1224.2	1270.6	1324.4	1360.5	1382.6	1409.1	1420.9	1423.1
30°	2385.9	1805.4	1213.9	1195.5	1243.4	1283.9	1300.1	1301.6	1311.9	1311.9	1313.4
32.5°	2472.0	1755.3	1161.6	1167.5	1209.5	1236.0	1238.2	1221.3	1208.8	1188.1	1187.4
35°	2571.5	1704.5	1118.9	1135.8	1169.7	1185.9	1179.3	1146.9	1116.7	1082.8	1081.3
37.5°	2663.6	1652.2	1082.8	1103.4	1124.8	1136.6	1121.1	1082.1	1057.0	1022.4	1017.2
40°	2739.4	1605.1	1048.2	1069.5	1079.9	1090.2	1065.1	1033.5	1037.1	1018.0	1017.2
42.5°	2783.6	1559.4	1015.8	1032.0	1038.6	1046.0	1023.9	1000.3	1020.2	1005.5	1006.2
45°	2816.0	1519.6	986.3	992.2	1008.4	1019.5	998.8	972.3	976.7	920.0	906.8
47.5°	2852.9	1497.5	958.3	952.4	981.2	1000.3	968.6	930.3	903.8	847.8	842.7
50°	2891.9	1489.4	928.9	912.6	947.3	965.7	928.9	881.0	846.4	816.2	813.2
52.5°	2905.2	1488.7	892.0	864.8	899.4	925.2	894.2	845.6	804.4	774.9	773.4
55°	2957.5	1510.0	844.9	799.2	831.6	884.7	861.8	791.8	758.7	745.4	744.0
57.5°	3018.6	1513.7	770.5	727.8	772.7	835.3	806.6	746.2	710.1	693.9	692.4
60°	2993.5	1423.1	690.9	673.3	722.6	788.9	762.4	710.1	668.1	652.6	651.2
62.5°	2281.3	1004.7	632.7	626.1	668.8	721.9	716.7	662.2	622.4	611.4	609.9
65°	1372.3	705.7	576.8	576.0	606.2	657.0	663.7	619.5	577.5	562.0	562.0
67.5°	678.4	539.9	513.4	509.7	528.9	565.0	593.0	556.9	521.5	506.8	504.6
70°	479.5	475.8	467.0	456.7	460.4	475.1	486.9	456.7	419.1	404.4	401.4
72.5°	414.7	415.4	409.6	401.4	398.5	388.2	377.9	355.8	332.9	317.5	318.9
75°	321.9	323.4	327.1	324.1	316.0	305.0	293.9	265.9	247.5	232.8	229.8
77.5°	187.8	195.2	207.0	204.0	205.5	190.0	185.6	158.4	141.4	131.1	128.9
80°	106.1	110.5	115.6	119.3	114.9	108.3	98.7	84.0	78.8	71.5	70.0
82.5°	64.1	68.5	70.7	73.7	72.2	63.3	56.0	46.4	42.0	38.3	37.6
85°	32.4	35.4	37.6	39.0	34.6	28.7	25.8	20.6	17.7	15.5	15.5
87.5°	8.1	8.8	10.3	8.8	8.1	3.7	2.9	0.7	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)