

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: P630954

Luminaire Tested: GWS-SA1E-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630954
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-SA1E-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6373.8 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

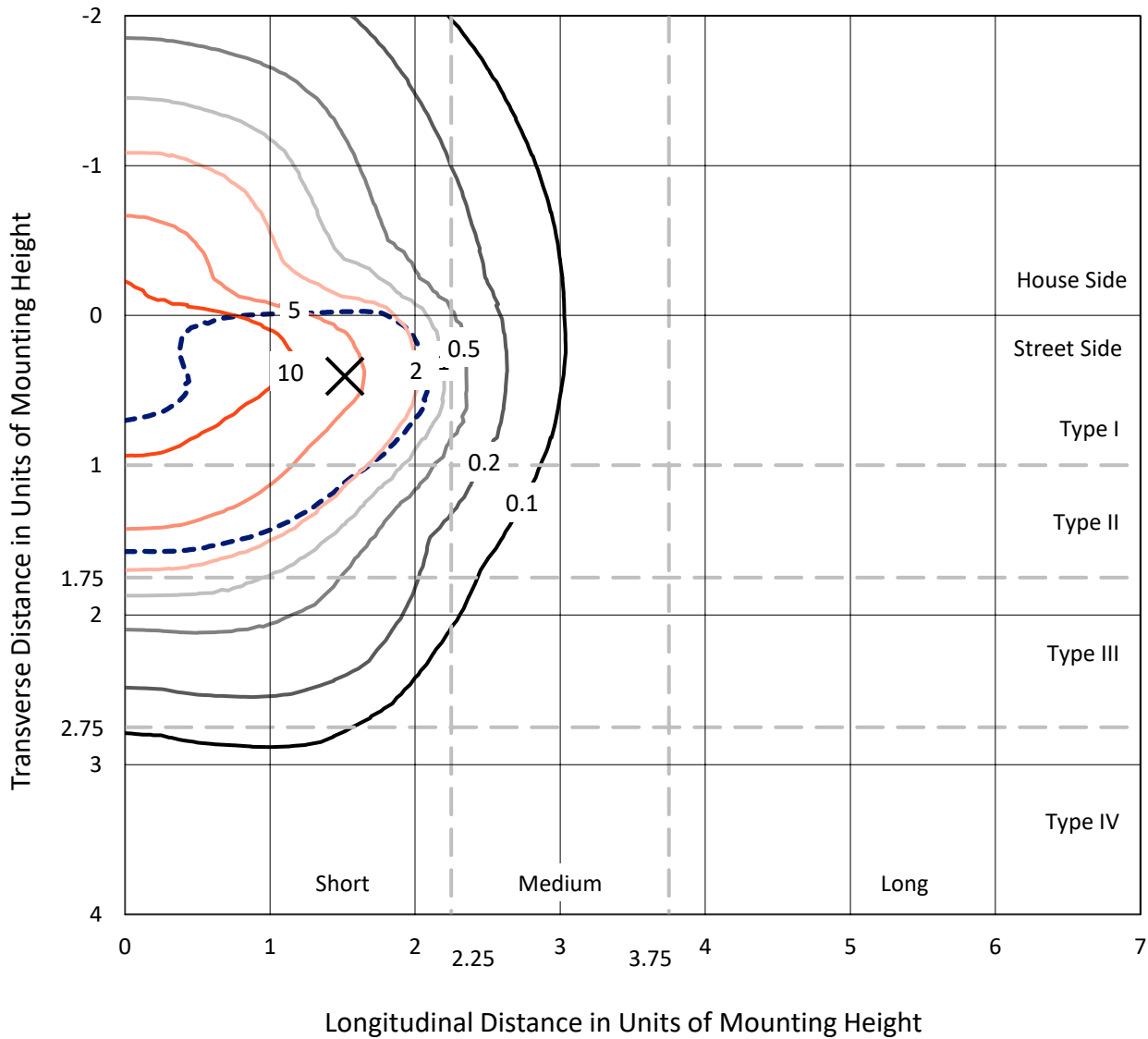
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630954
 CATALOG NUMBER: GWS-SA1E-760-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

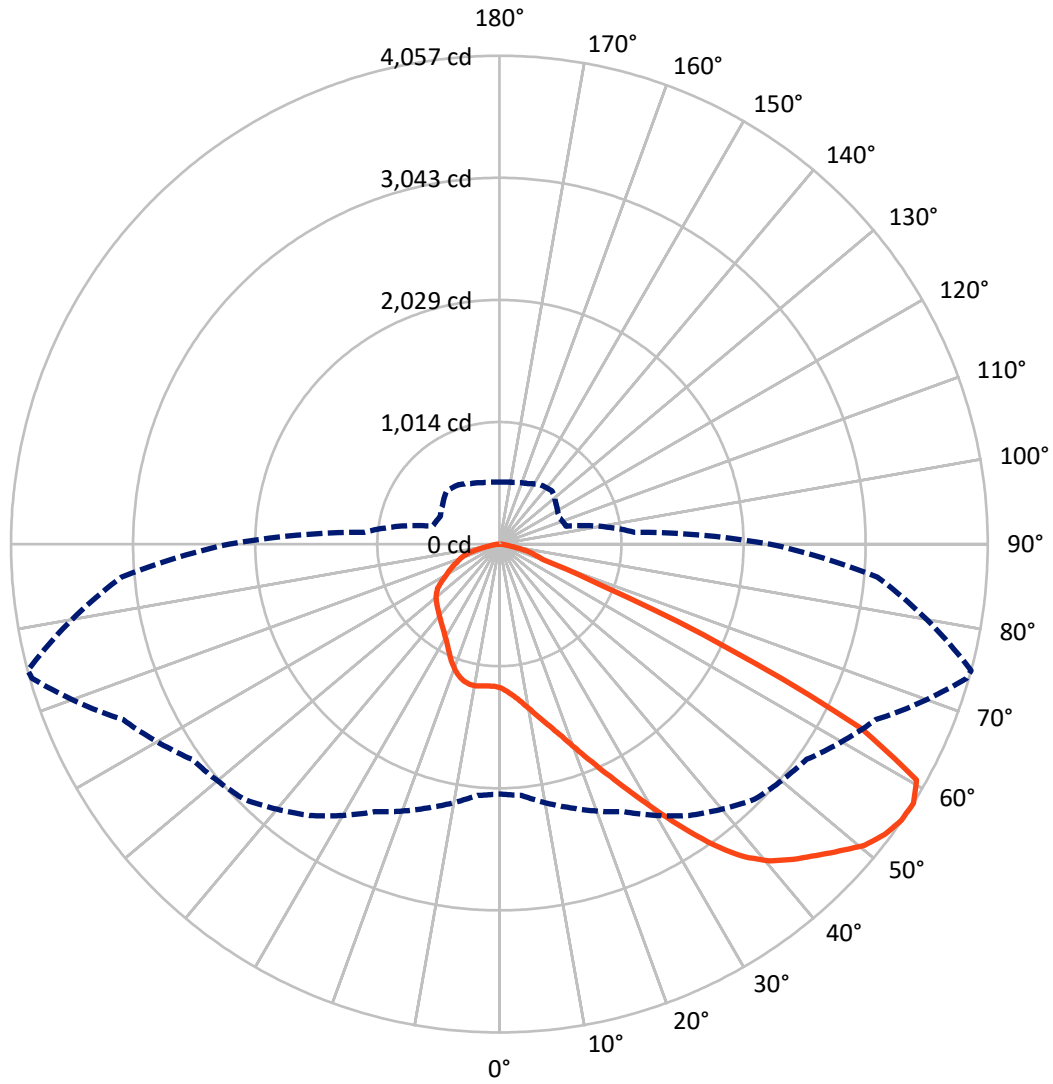
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P630954
CATALOG NUMBER: GWS-SA1E-760-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630954
 CATALOG NUMBER: GWS-SA1E-760-U-T2-W-GRSWH

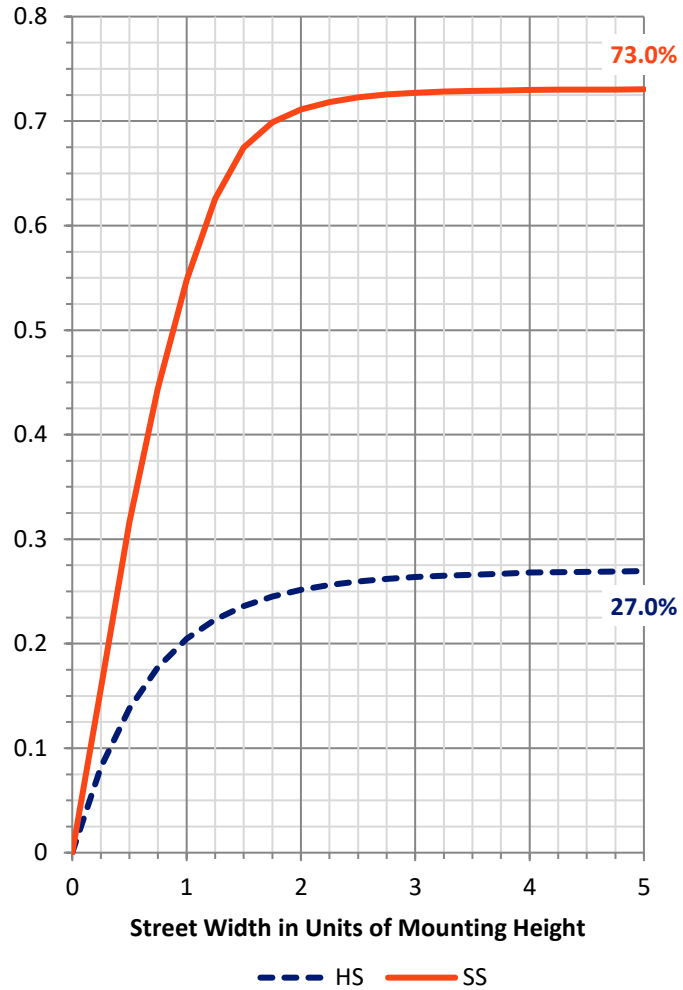
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1724.2	0.0	1724.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	4649.6	0.0	4649.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	6373.8	0.0	6373.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	1.9
10°-20°	380.3	6.0
20°-30°	674.5	10.6
30°-40°	1032.5	16.2
40°-50°	1437.6	22.6
50°-60°	1647.3	25.8
60°-70°	846.4	13.3
70°-80°	213.1	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°	6373.8	100.0
0°-180°	6373.8	100.0

Coefficient of Utilization



REPORT NUMBER: P630954

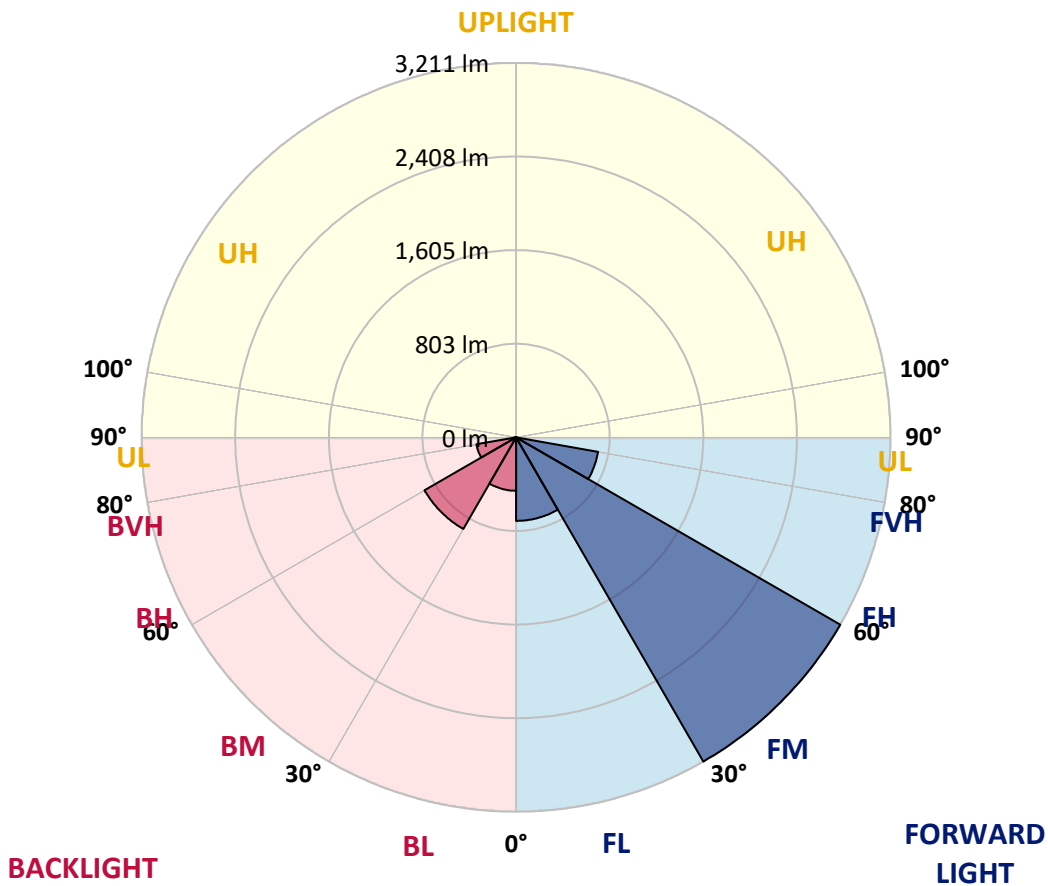
CATALOG NUMBER: GWS-SA1E-760-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.1	11.2			
FM (30°-60°)	3210.6	50.4			
FH (60°-80°)	714.4	11.2			G1/1800
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	458.1	7.2	B1/500		
BM (30°-60°)	906.8	14.2	B1/1000		
BH (60°-80°)	345.0	5.4	B1/500		G1/500
BVH (80°-90°)	14.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P630954

CATALOG NUMBER: GWS-SA1E-760-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7
2.5°	1282.4	1285.7	1282.4	1287.9	1277.0	1272.0	1260.0	1241.9	1227.6	1225.4	1209.6
5°	1382.2	1389.3	1384.9	1382.7	1367.9	1357.0	1338.9	1302.7	1273.1	1268.7	1237.5
7.5°	1446.3	1451.2	1451.2	1452.9	1447.4	1434.8	1415.6	1372.9	1331.2	1324.6	1277.5
10°	1467.7	1471.5	1478.6	1492.3	1503.3	1507.1	1494.5	1453.4	1402.5	1395.9	1330.1
12.5°	1472.6	1477.0	1488.0	1513.2	1543.3	1570.7	1572.9	1542.8	1485.8	1478.6	1391.0
15°	1481.9	1486.3	1501.1	1532.4	1576.7	1629.4	1661.7	1640.9	1577.8	1570.2	1460.0
17.5°	1480.8	1485.8	1507.7	1549.3	1609.1	1685.3	1747.7	1756.5	1691.3	1678.1	1538.4
20°	1478.1	1482.5	1506.1	1557.0	1631.0	1735.7	1848.6	1894.1	1823.9	1811.9	1629.9
22.5°	1500.0	1505.0	1523.0	1565.2	1642.5	1774.6	1941.8	2051.4	1981.2	1964.2	1735.1
25°	1549.3	1556.5	1567.4	1596.5	1663.3	1809.1	2037.1	2229.5	2157.7	2137.4	1849.7
27.5°	1625.5	1634.3	1649.6	1663.3	1709.9	1853.0	2131.9	2429.0	2357.2	2335.8	1970.8
30°	1718.7	1730.2	1749.9	1759.3	1791.0	1917.6	2235.0	2634.5	2592.8	2563.2	2107.3
32.5°	1847.5	1863.4	1882.0	1884.8	1903.9	2015.7	2336.9	2838.4	2837.8	2817.0	2262.4
35°	2015.2	2032.2	2036.0	2039.9	2049.2	2150.6	2460.2	3024.2	3096.0	3071.8	2431.2
37.5°	2198.2	2222.9	2228.9	2211.9	2225.1	2312.8	2598.9	3173.2	3320.7	3294.9	2594.5
40°	2393.9	2403.8	2420.2	2393.3	2409.8	2498.6	2734.8	3268.6	3488.4	3461.0	2723.3
42.5°	2534.2	2552.3	2576.9	2567.1	2576.4	2657.5	2830.1	3314.6	3607.8	3580.4	2815.9
45°	2686.6	2692.0	2707.9	2705.7	2711.2	2786.9	2898.7	3334.9	3714.7	3690.0	2894.8
47.5°	2819.2	2827.4	2837.8	2825.8	2813.7	2863.0	2954.6	3352.4	3838.0	3808.4	2977.6
50°	2946.9	2954.0	2966.6	2931.5	2886.6	2899.2	2982.0	3376.6	3953.7	3932.8	3042.8
52.5°	2970.4	2978.1	3037.3	3044.4	2986.9	2942.5	3030.2	3429.7	4021.6	4008.5	3066.4
55°	2674.0	2687.7	2805.5	2940.9	3082.8	3068.5	3107.5	3457.7	4048.5	4051.8	3108.6
57.5°	2075.5	2095.2	2267.3	2453.1	2751.8	2998.9	3117.3	3450.5	4039.2	4057.2	3151.9
60°	1361.4	1372.9	1576.7	1785.0	2094.7	2436.6	2790.1	3322.3	3956.4	3982.2	3140.9
62.5°	822.1	835.2	999.1	1156.9	1339.4	1568.0	1892.4	2670.1	3316.3	3373.8	2515.6
65°	573.8	591.3	734.9	864.8	927.9	880.7	958.5	1491.3	2066.2	2090.3	1537.3
67.5°	416.0	428.0	545.9	700.4	770.0	622.0	474.1	660.4	899.9	908.7	634.1
70°	272.4	286.1	393.0	533.3	628.6	504.2	354.6	357.3	378.7	383.1	368.3
72.5°	149.6	157.8	242.8	354.0	371.6	301.4	276.8	297.0	311.8	311.8	315.7
75°	77.3	84.4	99.2	116.7	140.8	165.0	199.5	229.6	245.5	246.6	245.0
77.5°	39.5	42.2	53.2	57.5	63.0	73.4	95.4	122.2	136.5	141.9	140.8
80°	18.6	19.7	22.5	26.3	32.3	41.1	51.5	61.4	70.2	71.2	77.3
82.5°	9.9	11.0	12.1	14.2	17.5	21.9	30.1	36.2	41.7	42.7	47.7
85°	3.8	4.4	4.9	5.5	7.7	9.3	12.6	17.0	20.8	20.8	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



REPORT NUMBER: P630954

CATALOG NUMBER: GWS-SA1E-760-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7
2.5°	1205.7	1189.8	1182.7	1171.2	1161.9	1151.5	1143.2	1137.2	1133.4	1131.2	1129.0
5°	1225.4	1201.3	1182.2	1159.1	1143.2	1127.9	1115.3	1106.5	1102.1	1098.8	1096.7
7.5°	1256.1	1223.8	1187.6	1152.0	1124.1	1099.4	1083.5	1074.2	1068.2	1066.0	1064.3
10°	1298.3	1253.4	1193.7	1137.2	1095.6	1068.7	1057.7	1053.4	1053.9	1052.8	1052.3
12.5°	1346.0	1284.6	1192.0	1110.9	1064.9	1049.0	1049.5	1056.6	1064.9	1067.1	1067.6
15°	1397.5	1315.3	1176.1	1076.9	1040.8	1042.4	1056.6	1073.6	1089.0	1095.0	1096.1
17.5°	1453.4	1341.1	1147.1	1039.7	1021.0	1038.6	1064.9	1092.8	1115.3	1125.2	1127.9
20°	1515.9	1363.0	1106.0	1002.9	1002.4	1031.4	1069.8	1106.5	1135.0	1148.2	1150.4
22.5°	1582.2	1376.7	1055.6	969.0	983.2	1022.1	1066.0	1104.3	1134.5	1147.6	1150.4
25°	1649.1	1381.1	1000.2	937.7	963.5	1007.3	1047.3	1078.0	1106.5	1118.0	1120.2
27.5°	1711.6	1368.5	947.6	910.9	945.4	985.4	1012.3	1028.7	1048.4	1057.2	1058.8
30°	1775.1	1343.3	903.2	889.5	925.1	955.3	967.3	968.4	976.1	976.1	977.2
32.5°	1839.3	1306.0	864.3	868.7	899.9	919.6	921.3	908.7	899.4	884.0	883.5
35°	1913.3	1268.2	832.5	845.1	870.3	882.4	877.4	853.3	830.8	805.6	804.5
37.5°	1981.8	1229.3	805.6	821.0	836.9	845.6	834.1	805.1	786.5	760.7	756.9
40°	2038.2	1194.2	779.9	795.8	803.4	811.1	792.5	768.9	771.7	757.4	756.9
42.5°	2071.1	1160.2	755.8	767.8	772.8	778.2	761.8	744.3	759.1	748.1	748.6
45°	2095.2	1130.6	733.8	738.2	750.3	758.5	743.2	723.4	726.7	684.5	674.7
47.5°	2122.6	1114.2	713.0	708.6	730.0	744.3	720.7	692.2	672.5	630.8	627.0
50°	2151.7	1108.2	691.1	679.0	704.8	718.5	691.1	655.5	629.7	607.2	605.1
52.5°	2161.5	1107.6	663.7	643.4	669.2	688.4	665.3	629.2	598.5	576.6	575.5
55°	2200.4	1123.5	628.6	594.6	618.8	658.2	641.2	589.2	564.5	554.6	553.5
57.5°	2245.9	1126.2	573.3	541.5	574.9	621.5	600.1	555.2	528.3	516.3	515.2
60°	2227.3	1058.8	514.1	500.9	537.6	587.0	567.2	528.3	497.1	485.6	484.5
62.5°	1697.3	747.5	470.8	465.8	497.6	537.1	533.3	492.7	463.1	454.9	453.8
65°	1021.0	525.0	429.1	428.6	451.0	488.9	493.8	460.9	429.7	418.2	418.2
67.5°	504.8	401.7	382.0	379.3	393.5	420.4	441.2	414.3	388.0	377.1	375.4
70°	356.8	354.0	347.5	339.8	342.5	353.5	362.3	339.8	311.8	300.9	298.7
72.5°	308.6	309.1	304.7	298.7	296.5	288.8	281.2	264.7	247.7	236.2	237.3
75°	239.5	240.6	243.3	241.1	235.1	226.9	218.7	197.8	184.1	173.2	171.0
77.5°	139.8	145.2	154.0	151.8	152.9	141.4	138.1	117.8	105.2	97.6	95.9
80°	78.9	82.2	86.0	88.8	85.5	80.6	73.4	62.5	58.6	53.2	52.1
82.5°	47.7	51.0	52.6	54.8	53.7	47.1	41.7	34.5	31.2	28.5	28.0
85°	24.1	26.3	28.0	29.0	25.8	21.4	19.2	15.3	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)