

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: P635081

Luminaire Tested: GWS-SA3D-722-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

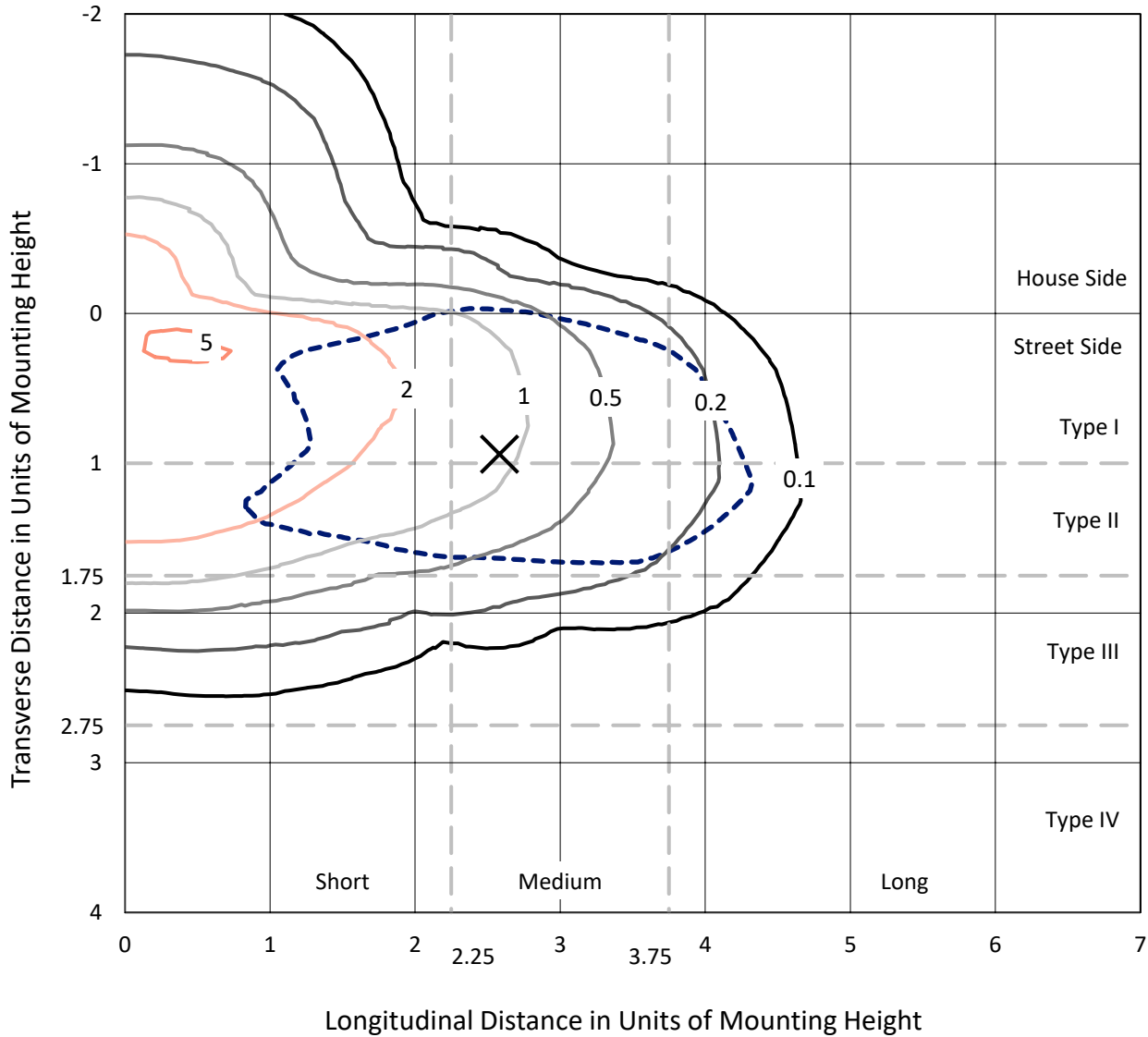
Lumens per Lamp: N/A  
Luminaire Lumens: 12861 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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: P635081  
 CATALOG NUMBER: GWS-SA3D-722-U-T2-W

### Iso-Footcandle Lines of Horizontal Illumination

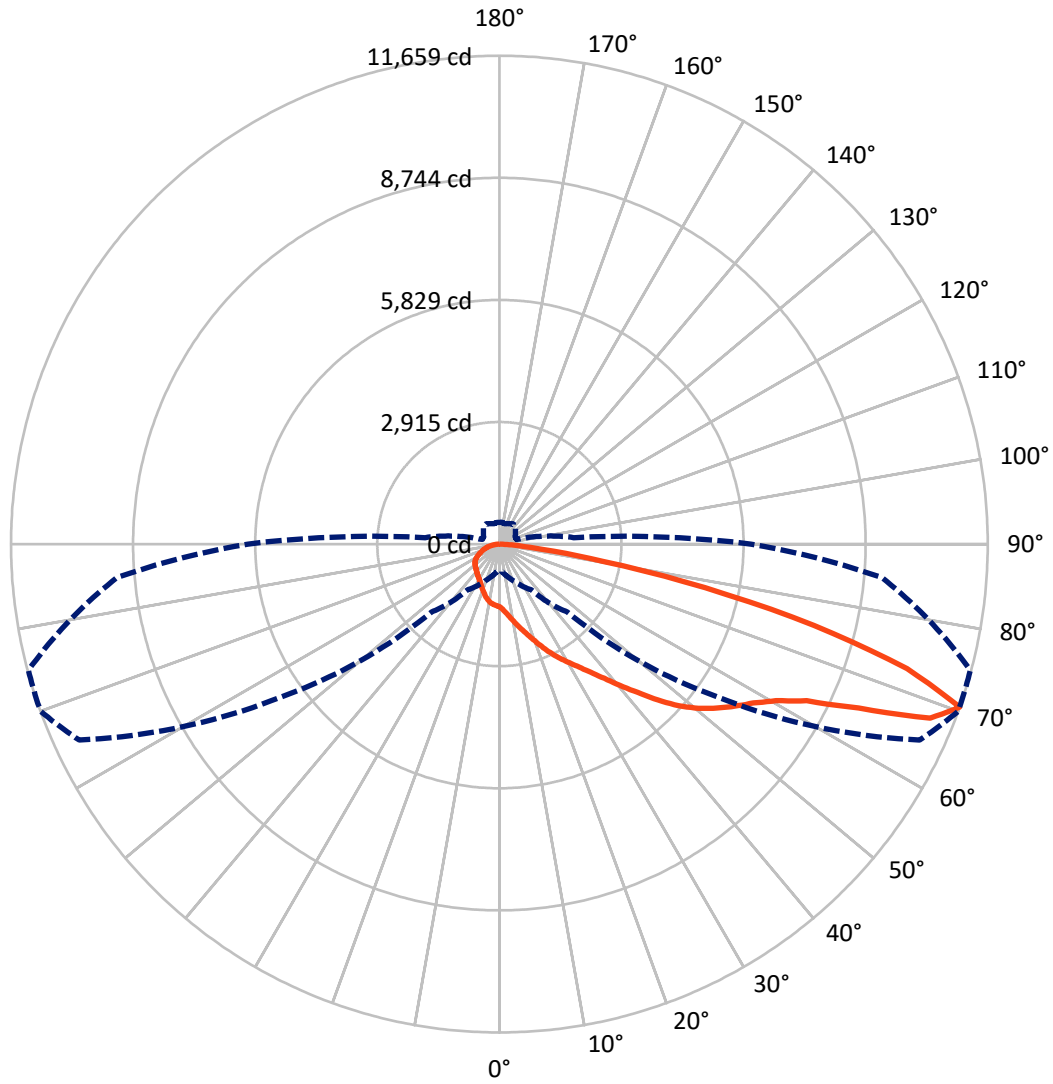
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 fc  
 Type II - Medium - N/A

REPORT NUMBER: P635081  
CATALOG NUMBER: GWS-SA3D-722-U-T2-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P635081

CATALOG NUMBER: GWS-SA3D-722-U-T2-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2304.7	0.0	2304.7
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	10556.3	0.0	10556.3
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	12861.0	0.0	12861.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.4	1.2
10°-20°	495.9	3.9
20°-30°	878.5	6.8
30°-40°	1322.2	10.3
40°-50°	2000.3	15.6
50°-60°	2865.5	22.3
60°-70°	3167.5	24.6
70°-80°	1787.5	13.9
80°-90°	191.2	1.5
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°	12861.0	100.0
0°-180°	12861.0	100.0

**Coefficient of Utilization**



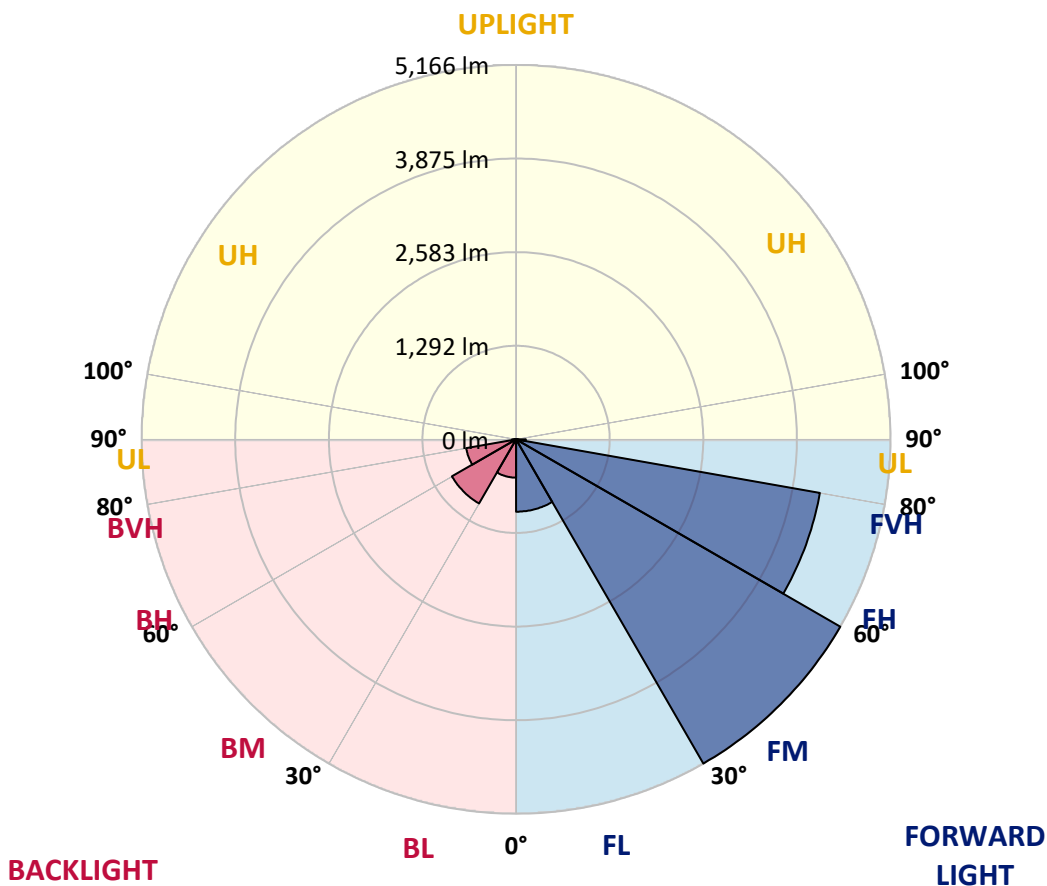
REPORT NUMBER: P635081

CATALOG NUMBER: GWS-SA3D-722-U-T2-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.4	7.8			
FM (30°-60°)	5166.3	40.2			
FH (60°-80°)	4256.5	33.1			G2/5000
FVH (80°-90°)	135.2	1.1			G2/225
BL (0°-30°)	528.4	4.1	B2/1000		
BM (30°-60°)	1021.7	7.9	B2/2500		
BH (60°-80°)	698.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	56.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium





REPORT NUMBER: P635081  
 CATALOG NUMBER: GWS-SA3D-722-U-T2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9
2.5°	1661.6	1658.8	1660.6	1658.8	1648.5	1623.5	1603.0	1577.0	1559.3	1549.1	1524.9
5°	1856.7	1853.9	1847.4	1838.1	1819.5	1785.1	1734.0	1677.4	1643.0	1616.9	1565.8
7.5°	1997.0	1997.0	1996.1	1984.9	1971.9	1935.7	1875.3	1800.9	1750.8	1706.2	1622.5
10°	2068.6	2073.2	2079.7	2095.5	2092.7	2073.2	2016.5	1936.6	1873.4	1821.4	1696.9
12.5°	2107.6	2110.4	2121.5	2154.1	2187.5	2192.2	2158.7	2075.1	2006.3	1936.6	1779.6
15°	2157.8	2158.7	2173.6	2212.6	2261.9	2311.1	2302.8	2219.1	2148.5	2071.4	1871.6
17.5°	2196.8	2203.3	2230.3	2275.8	2337.1	2405.0	2445.9	2393.8	2306.5	2218.2	1971.9
20°	2210.8	2215.4	2250.7	2320.4	2404.0	2499.8	2590.8	2576.9	2488.6	2384.5	2085.3
22.5°	2260.9	2260.9	2287.0	2345.5	2444.0	2583.4	2731.2	2767.4	2689.3	2567.6	2207.0
25°	2371.5	2367.8	2379.9	2404.0	2478.4	2650.3	2869.6	2978.3	2891.0	2754.4	2328.8
27.5°	2523.0	2521.1	2520.2	2523.9	2549.0	2708.9	2986.7	3175.4	3088.0	2933.7	2437.5
30°	2687.5	2681.9	2694.0	2682.8	2677.3	2778.5	3086.1	3351.9	3284.1	3111.2	2527.6
32.5°	2911.4	2901.2	2898.4	2862.2	2839.9	2887.3	3166.1	3552.6	3498.7	3302.7	2628.9
35°	3206.9	3197.7	3150.3	3092.6	3026.7	3049.0	3265.5	3748.7	3752.4	3542.4	2761.8
37.5°	3505.2	3507.1	3469.9	3334.3	3266.4	3253.4	3417.0	3987.5	4067.5	3828.6	2933.7
40°	3753.4	3764.5	3764.5	3621.4	3520.1	3508.0	3629.8	4271.0	4429.9	4179.9	3151.2
42.5°	3942.0	3952.2	3984.8	3881.6	3774.7	3816.6	3888.1	4555.3	4840.6	4613.9	3426.3
45°	4149.2	4157.6	4175.3	4115.8	4053.5	4165.0	4180.8	4895.5	5310.8	5100.8	3745.9
47.5°	4424.3	4416.9	4418.7	4375.1	4326.7	4507.0	4503.3	5181.7	5765.3	5634.2	4092.6
50°	4766.3	4780.2	4767.2	4680.8	4624.1	4788.6	4810.0	5498.6	6164.8	6162.1	4442.0
52.5°	5095.2	5100.8	5169.6	5173.3	5057.1	5022.8	5078.5	5818.2	6502.2	6645.3	4777.4
55°	5112.0	5133.3	5339.6	5488.3	5676.0	5400.0	5349.9	6123.0	6828.4	7118.3	5125.9
57.5°	4756.1	4790.4	5140.8	5461.4	5983.6	6047.8	5814.5	6517.0	7154.5	7583.9	5529.2
60°	3995.9	4067.5	4543.3	5033.9	5845.2	6513.3	6765.2	7052.3	7582.9	8059.7	6019.0
62.5°	2551.8	2579.7	3246.9	4068.4	5221.6	6467.8	7800.4	7995.5	8235.3	8679.5	6773.5
65°	1277.8	1367.0	1758.2	2428.2	3765.4	5699.3	8323.6	9723.1	9429.4	9740.7	7996.5
67.5°	867.0	895.8	1093.8	1459.0	2208.0	4037.7	7999.2	11178.3	11091.9	11143.0	9300.2
70°	639.3	657.9	814.0	1033.4	1335.4	2292.5	6368.4	11068.7	11658.8	11640.2	9163.6
72.5°	466.5	475.8	593.8	789.0	989.7	1185.8	3889.0	8941.5	10177.5	10713.7	8014.1
75°	339.2	350.3	412.6	590.1	769.4	739.7	1919.9	6458.5	7761.4	8792.9	6529.1
77.5°	252.8	266.7	295.5	369.9	539.0	529.7	829.8	4193.8	5020.0	5743.0	3966.2
80°	182.1	184.9	201.7	237.0	342.0	310.4	394.9	2186.6	2507.2	2747.0	1554.7
82.5°	110.6	113.4	134.7	145.9	211.9	195.1	205.4	708.1	1014.8	1077.0	580.8
85°	32.5	34.4	61.3	66.9	88.3	83.6	82.7	288.1	343.8	439.5	228.6
87.5°	0.0	0.0	0.0	0.0	0.9	5.6	10.2	51.1	77.1	106.9	55.8
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: P635081  
 CATALOG NUMBER: GWS-SA3D-722-U-T2-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9	1499.9
2.5°	1515.7	1494.3	1483.1	1463.6	1449.7	1435.7	1421.8	1408.8	1403.2	1394.9	1396.7
5°	1542.6	1509.2	1475.7	1437.6	1405.1	1378.1	1354.0	1332.6	1323.3	1314.9	1318.6
7.5°	1583.5	1533.3	1469.2	1399.5	1348.4	1311.2	1286.1	1271.3	1266.6	1260.1	1260.1
10°	1635.5	1560.3	1447.8	1348.4	1287.1	1257.3	1246.2	1245.2	1249.9	1250.8	1249.0
12.5°	1693.1	1586.3	1416.2	1288.0	1235.9	1226.7	1235.0	1250.8	1266.6	1275.0	1273.1
15°	1752.6	1603.0	1362.3	1230.4	1198.8	1210.9	1237.8	1269.4	1300.1	1315.9	1314.9
17.5°	1808.4	1606.7	1292.6	1174.6	1166.2	1196.9	1243.4	1292.6	1334.4	1356.7	1357.7
20°	1870.6	1600.2	1221.1	1124.4	1133.7	1183.9	1245.2	1304.7	1354.0	1376.3	1381.8
22.5°	1927.3	1577.9	1151.4	1077.0	1105.8	1168.1	1230.4	1286.1	1329.8	1351.2	1358.6
25°	1978.4	1535.2	1075.2	1037.1	1084.5	1145.8	1193.2	1232.2	1262.9	1275.9	1286.1
27.5°	2006.3	1471.1	1017.6	1005.5	1064.0	1114.2	1140.2	1152.3	1162.5	1158.8	1166.2
30°	2011.9	1391.1	967.4	980.4	1033.4	1070.5	1076.1	1064.0	1046.4	1017.6	1024.1
32.5°	2006.3	1299.1	925.6	953.4	999.0	1021.3	1013.8	982.2	939.5	894.9	897.7
35°	2008.2	1206.2	891.2	923.7	959.0	971.1	952.5	908.8	863.3	822.4	820.6
37.5°	2028.6	1128.1	862.4	894.9	920.0	921.8	901.4	855.9	832.6	802.0	798.3
40°	2085.3	1070.5	836.4	866.1	881.9	881.0	857.7	825.2	841.0	830.8	828.0
42.5°	2178.2	1035.2	815.0	835.4	846.6	848.4	829.8	809.4	843.8	830.8	826.1
45°	2327.8	1033.4	800.1	804.8	822.4	835.4	822.4	799.2	812.2	749.0	736.9
47.5°	2505.3	1065.0	789.0	777.8	808.5	831.7	811.3	774.1	747.1	689.5	681.2
50°	2719.1	1129.1	778.7	749.0	788.0	817.8	797.3	746.2	705.3	674.7	670.0
52.5°	2972.8	1213.6	765.7	716.5	757.4	810.3	797.3	743.4	689.5	661.6	657.0
55°	3238.5	1311.2	750.9	677.4	723.0	812.2	803.8	723.9	677.4	662.6	658.9
57.5°	3568.4	1428.3	723.9	631.9	692.3	795.5	777.8	712.8	669.1	657.0	653.3
60°	3996.8	1602.1	672.8	585.4	657.0	765.7	754.6	694.2	646.8	636.6	633.8
62.5°	4675.2	1896.7	610.5	540.8	615.2	703.5	720.2	658.9	618.9	618.0	617.0
65°	5781.1	2250.7	537.1	500.9	571.5	652.4	674.7	622.6	590.1	600.3	599.4
67.5°	6556.1	2281.4	476.7	459.1	520.4	596.6	629.1	585.4	550.1	569.6	568.7
70°	6005.0	1779.6	424.7	415.4	465.6	536.2	579.9	539.0	503.7	522.3	518.5
72.5°	5064.6	1364.2	375.4	369.9	409.8	473.0	516.7	492.5	455.3	455.3	447.0
75°	4070.2	1125.4	323.4	320.6	347.6	408.9	458.1	417.2	382.9	381.0	375.4
77.5°	2334.4	737.8	271.3	269.5	277.9	342.0	355.9	347.6	321.5	309.5	305.7
80°	930.2	383.8	213.7	201.7	210.0	250.9	280.6	266.7	244.4	229.5	221.2
82.5°	360.6	192.4	150.5	132.0	144.0	181.2	203.5	198.9	184.0	150.5	141.3
85°	146.8	93.9	90.1	76.2	83.6	97.6	117.1	101.3	83.6	59.5	56.7
87.5°	39.0	34.4	33.5	20.4	15.8	4.6	0.9	0.0	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)