

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: P632938

Luminaire Tested: GWS-SA2D-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-760-U-T2R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10367.6 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 82.1  
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

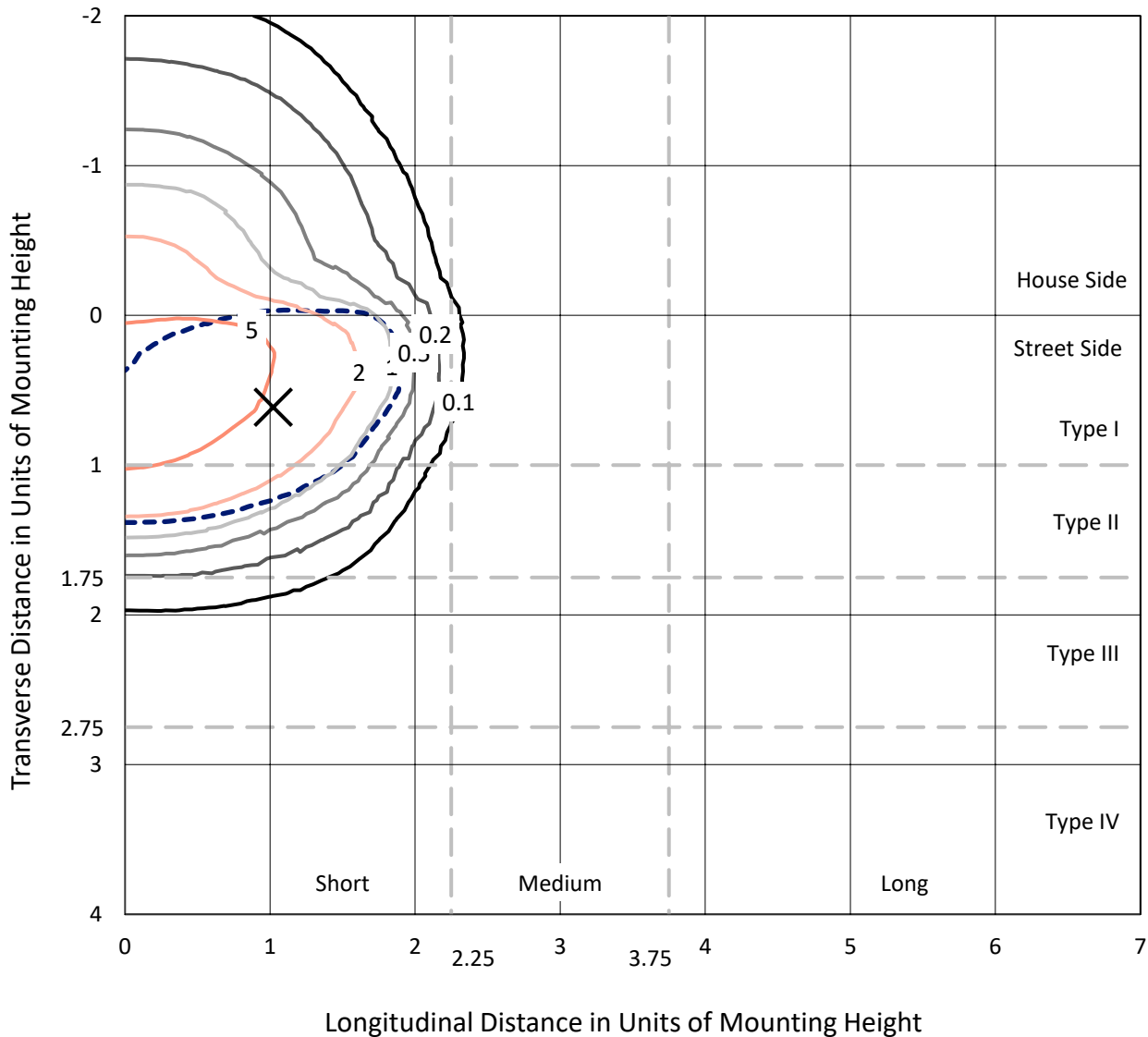


REPORT NUMBER: P632938

CATALOG NUMBER: GWS-SA2D-760-U-T2R-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

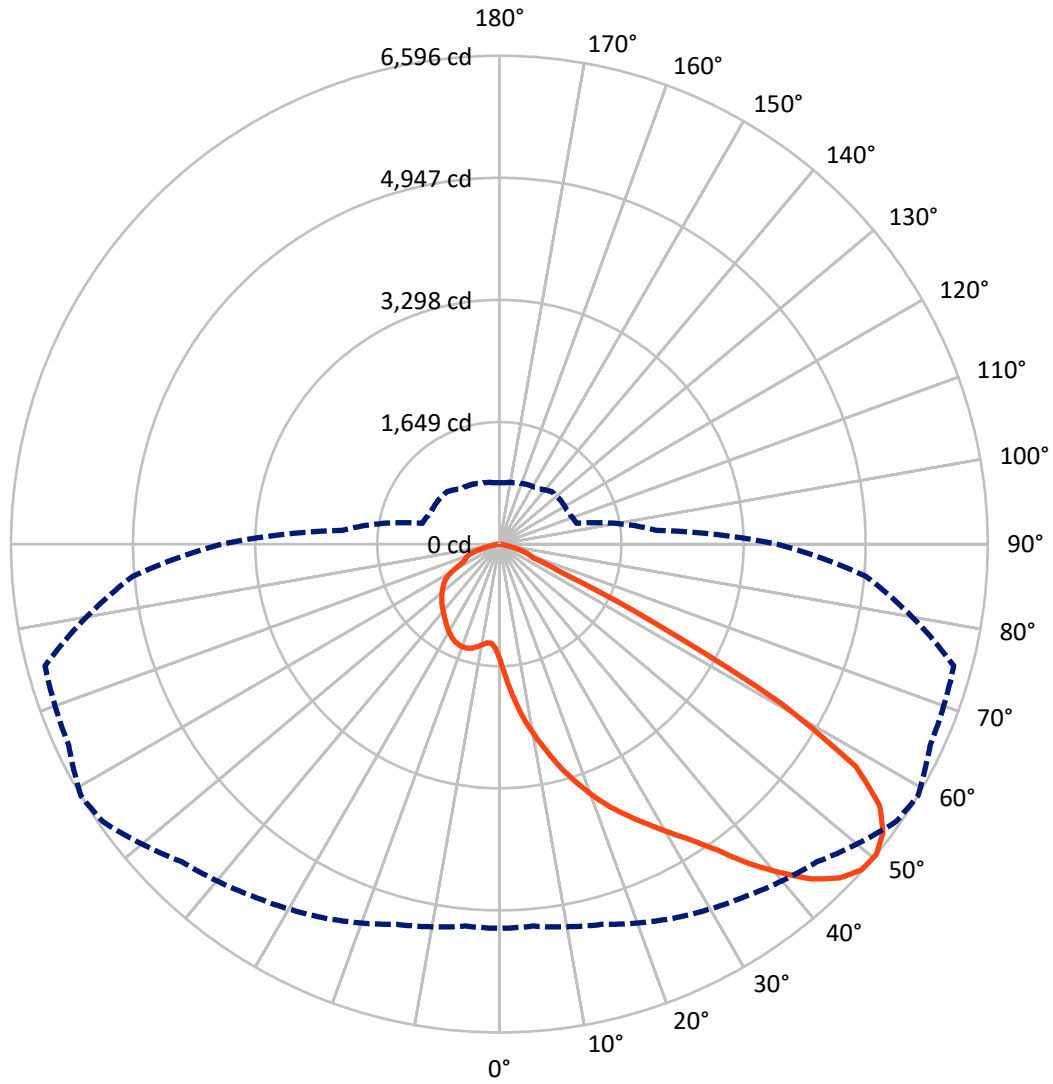
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P632938  
CATALOG NUMBER: GWS-SA2D-760-U-T2R-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P632938

CATALOG NUMBER: GWS-SA2D-760-U-T2R-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2384.8	0.0	2384.8
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	7982.9	0.0	7982.9
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	10367.6	0.0	10367.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.2	1.7
10°-20°	639.7	6.2
20°-30°	1211.3	11.7
30°-40°	2008.7	19.4
40°-50°	2744.0	26.5
50°-60°	2490.9	24.0
60°-70°	829.5	8.0
70°-80°	241.9	2.3
80°-90°	25.4	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°	10367.6	100.0
0°-180°	10367.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632938

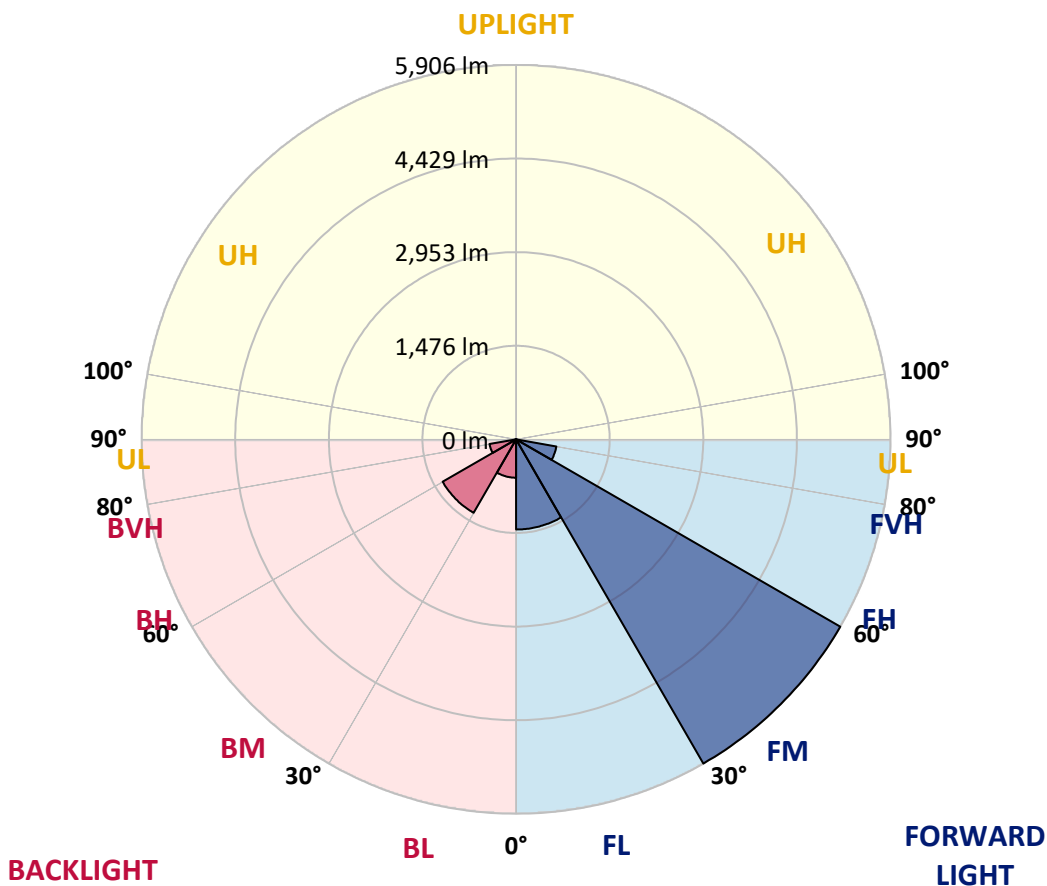
CATALOG NUMBER: GWS-SA2D-760-U-T2R-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1421.6	13.7			
FM (30°-60°)	5905.5	57.0			
FH (60°-80°)	645.8	6.2			G0/660
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	605.5	5.8	B2/1000		
BM (30°-60°)	1338.1	12.9	B2/2500		
BH (60°-80°)	425.7	4.1	B1/500		G1/500
BVH (80°-90°)	15.5	0.1			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: P632938

CATALOG NUMBER: GWS-SA2D-760-U-T2R-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8
2.5°	2035.2	2050.4	2026.8	2028.5	1969.4	1942.3	1866.3	1821.6	1792.0	1709.3	1634.1
5°	2445.7	2427.9	2409.4	2398.4	2346.9	2274.2	2179.6	2104.5	2035.2	1873.1	1716.9
7.5°	2697.3	2688.0	2675.4	2668.6	2617.9	2541.9	2447.4	2383.2	2282.7	2063.1	1817.4
10°	2911.0	2900.0	2892.4	2897.5	2856.1	2807.1	2704.1	2630.6	2517.4	2264.1	1939.0
12.5°	3076.5	3082.4	3084.9	3112.0	3094.2	3064.7	2958.3	2880.6	2754.7	2476.1	2081.7
15°	3207.4	3205.7	3235.3	3286.8	3315.5	3296.9	3211.6	3146.6	2992.9	2684.7	2235.4
17.5°	3237.8	3239.5	3285.9	3376.3	3470.0	3515.6	3467.5	3389.8	3237.8	2890.7	2395.0
20°	3262.3	3265.7	3313.8	3416.8	3553.6	3681.2	3688.8	3633.0	3502.1	3113.7	2557.1
22.5°	3416.8	3424.4	3437.1	3502.1	3625.4	3786.7	3875.4	3863.6	3753.8	3347.6	2731.9
25°	3823.0	3800.2	3738.6	3720.0	3767.3	3898.2	4049.4	4072.2	4018.1	3605.2	2920.3
27.5°	4324.7	4300.2	4209.0	4112.7	4010.5	4056.1	4217.4	4285.8	4286.7	3888.9	3109.4
30°	4779.9	4760.4	4686.1	4548.5	4372.0	4306.1	4425.2	4517.2	4572.1	4216.6	3324.8
32.5°	5169.2	5151.4	5050.9	4938.6	4766.3	4633.8	4676.8	4765.5	4893.9	4640.5	3592.5
35°	5496.8	5479.1	5382.8	5269.7	5110.1	5030.7	5015.5	5076.3	5242.6	5083.0	3899.9
37.5°	5762.8	5745.1	5644.6	5538.2	5416.6	5421.7	5444.5	5474.0	5569.5	5556.8	4228.4
40°	5935.1	5916.5	5844.8	5768.8	5691.9	5752.7	5865.9	5830.4	5881.1	5939.3	4530.7
42.5°	6012.0	5988.3	5946.9	5930.1	5906.4	6001.0	6218.9	6183.4	6122.6	6194.4	4755.4
45°	5935.1	5914.9	5914.0	5965.5	6020.4	6142.0	6462.9	6434.2	6280.5	6317.7	4889.6
47.5°	5699.5	5681.8	5729.9	5865.0	6000.2	6177.5	6571.9	6576.9	6392.8	6369.2	4976.6
50°	5190.3	5178.5	5317.8	5573.7	5806.8	6066.9	6537.3	6595.5	6419.9	6353.2	4965.6
52.5°	4154.9	4209.8	4513.0	4940.3	5393.0	5872.6	6408.9	6484.9	6289.8	6247.6	4906.5
55°	2844.3	2869.6	3172.8	3796.9	4514.7	5452.1	6114.2	6231.5	6136.1	6229.9	4968.2
57.5°	1472.8	1493.1	1732.1	2286.1	3062.1	4308.6	5295.8	5680.9	5826.2	6319.4	5159.9
60°	604.7	621.5	720.4	988.1	1544.6	2509.0	3811.2	4382.1	4723.3	5771.3	4582.2
62.5°	439.1	447.6	494.9	589.5	809.0	1229.6	2156.8	2367.1	2607.0	3617.0	2909.3
65°	369.9	379.2	417.2	474.6	590.3	754.1	921.3	926.4	1021.0	1473.6	1078.4
67.5°	309.9	318.4	352.2	401.1	477.1	535.4	494.9	495.7	494.0	534.6	516.8
70°	241.5	248.3	282.1	334.4	374.1	343.7	386.8	428.2	410.4	426.5	451.0
72.5°	176.5	184.1	213.7	253.3	243.2	244.9	313.3	355.5	345.4	363.1	385.9
75°	127.5	132.6	147.8	126.7	133.4	161.3	220.4	243.2	253.3	268.6	288.8
77.5°	41.4	41.4	46.4	58.3	72.6	89.5	112.3	121.6	136.8	153.7	168.1
80°	21.1	22.0	26.2	32.1	40.5	51.5	65.9	70.1	77.7	87.0	92.9
82.5°	10.1	11.0	12.7	16.0	21.1	27.0	36.3	40.5	45.6	51.5	55.7
85°	2.5	2.5	3.4	5.1	6.8	10.1	13.5	16.0	20.3	24.5	27.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	2.5	3.4	4.2	5.1	6.8
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: P632938

CATALOG NUMBER: GWS-SA2D-760-U-T2R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8	1570.8
2.5°	1600.3	1553.0	1492.2	1440.7	1393.4	1357.1	1325.9	1310.7	1296.3	1286.2	1289.5
5°	1644.2	1563.2	1450.0	1371.5	1323.3	1298.8	1281.9	1273.5	1271.8	1265.1	1262.5
7.5°	1708.4	1592.7	1441.6	1362.2	1330.1	1317.4	1308.1	1303.1	1305.6	1298.8	1296.3
10°	1787.8	1641.7	1462.7	1392.6	1364.7	1355.4	1345.3	1338.5	1335.2	1325.0	1323.3
12.5°	1886.6	1702.5	1500.7	1431.4	1403.6	1387.5	1374.0	1362.2	1354.6	1341.9	1338.5
15°	1993.0	1770.1	1545.4	1469.4	1436.5	1412.8	1390.9	1373.2	1359.6	1342.8	1340.2
17.5°	2108.7	1841.0	1582.6	1495.6	1453.4	1422.1	1390.0	1363.9	1345.3	1323.3	1320.8
20°	2229.5	1912.8	1610.5	1508.3	1454.2	1412.0	1368.9	1334.3	1310.7	1288.7	1287.0
22.5°	2354.5	1978.7	1627.3	1504.9	1440.7	1388.4	1336.8	1298.0	1270.1	1243.9	1242.3
25°	2480.3	2042.0	1631.6	1491.4	1413.7	1352.9	1301.4	1255.8	1224.5	1195.0	1191.6
27.5°	2607.8	2095.2	1621.4	1464.4	1377.4	1311.5	1260.0	1215.2	1183.1	1153.6	1148.5
30°	2743.8	2140.8	1599.5	1428.9	1335.2	1267.6	1216.9	1183.1	1152.7	1123.2	1118.1
32.5°	2889.0	2180.5	1568.2	1385.8	1286.2	1223.7	1186.5	1156.1	1125.7	1099.5	1094.5
35°	3062.1	2206.7	1521.8	1330.1	1240.6	1191.6	1166.3	1130.8	1093.6	1064.9	1062.4
37.5°	3241.2	2226.9	1466.0	1276.9	1200.9	1173.0	1151.9	1103.8	1057.3	1022.7	1018.5
40°	3414.3	2243.8	1396.8	1227.1	1164.6	1159.5	1130.8	1070.8	990.6	951.7	948.4
42.5°	3575.6	2248.9	1324.2	1173.9	1131.6	1129.1	1097.0	1004.1	942.5	918.0	914.6
45°	3686.2	2244.7	1249.0	1124.0	1098.7	1085.2	1051.4	956.0	918.0	896.0	891.8
47.5°	3768.1	2222.7	1164.6	1071.7	1061.5	1043.0	970.3	925.6	890.1	868.1	863.9
50°	3753.8	2131.5	1079.3	1021.0	1016.8	1000.7	911.2	887.6	856.3	832.7	829.3
52.5°	3679.5	1958.4	992.3	965.3	973.7	942.5	869.0	842.0	814.9	787.9	782.0
55°	3698.1	1833.4	926.4	911.2	926.4	855.5	821.7	793.0	767.6	741.5	736.4
57.5°	3779.1	1710.1	856.3	852.9	869.0	788.8	760.9	724.6	688.3	667.2	667.2
60°	3173.6	1246.5	733.0	741.5	777.8	734.7	710.2	673.1	633.4	614.8	614.8
62.5°	1876.5	782.0	608.0	598.7	621.5	648.6	662.1	631.7	584.4	559.9	560.7
65°	826.8	569.2	536.3	528.7	521.9	540.5	577.6	580.2	530.3	501.6	502.5
67.5°	509.2	515.1	501.6	495.7	489.8	486.4	483.1	484.7	471.2	445.1	444.2
70°	459.4	475.5	466.2	461.1	453.5	447.6	427.3	394.4	371.6	364.8	372.4
72.5°	395.2	417.2	412.1	409.6	400.3	385.9	358.9	326.8	299.8	282.9	286.3
75°	298.1	315.8	318.4	319.2	309.1	295.6	267.7	240.7	217.0	199.3	203.5
77.5°	171.4	181.6	184.1	186.6	179.0	174.0	155.4	136.0	123.3	104.7	109.8
80°	95.4	99.7	99.7	100.5	96.3	90.4	77.7	66.7	60.8	52.4	53.2
82.5°	57.4	59.1	60.0	60.8	58.3	52.4	43.1	35.5	32.1	27.9	27.0
85°	27.9	29.6	29.6	30.4	26.2	22.8	17.7	13.5	11.8	8.4	9.3
87.5°	6.8	7.6	7.6	6.8	5.9	4.2	2.5	0.8	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)