

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: P632453

Luminaire Tested: GWS-SA2C-760-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-760-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9492.6 lumens  
Efficiency: N/A  
Efficacy: 150.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
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

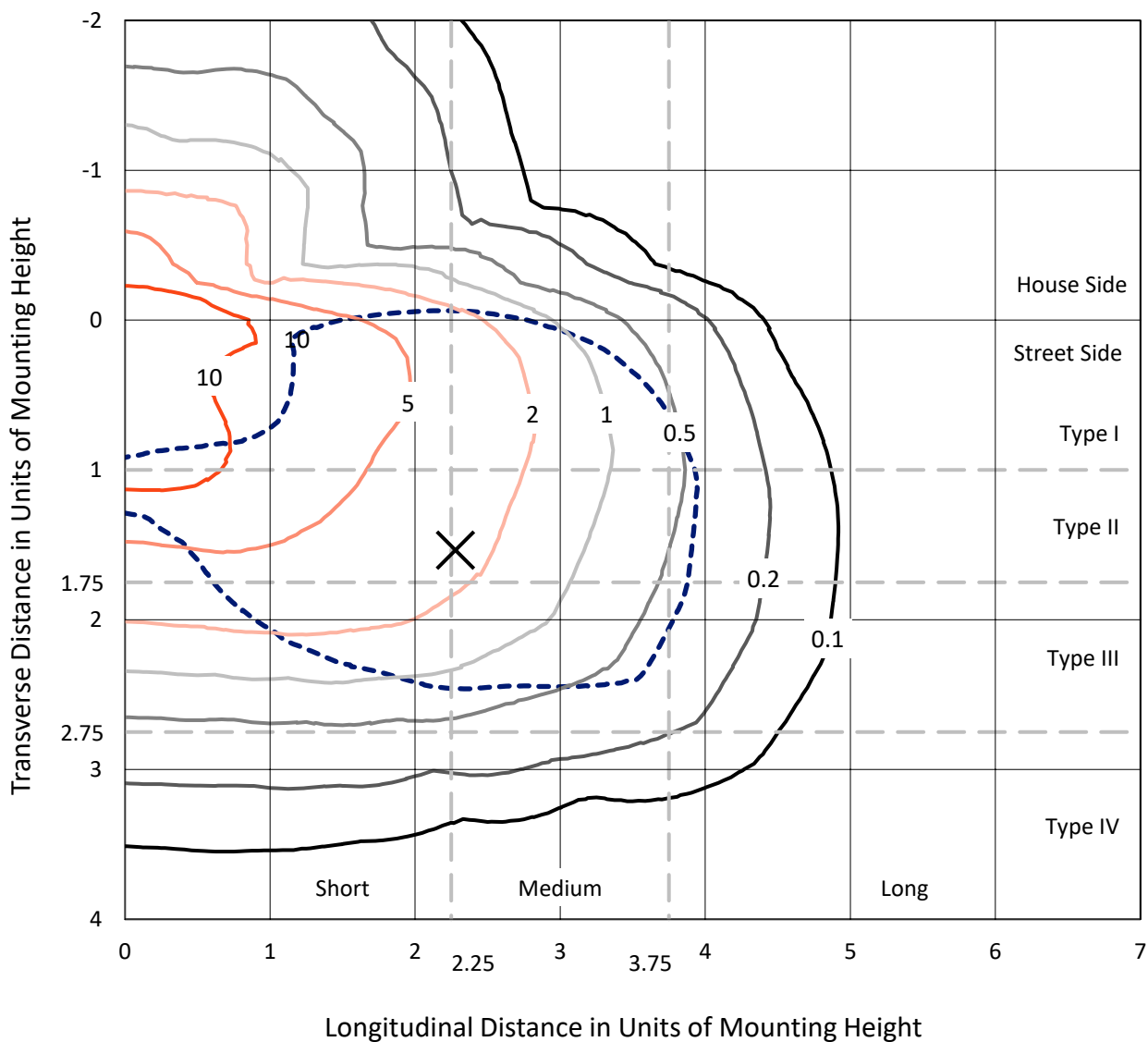


REPORT NUMBER: P632453

CATALOG NUMBER: GWS-SA2C-760-U-T3R-W

### Iso-Footcandle Lines of Horizontal Illumination

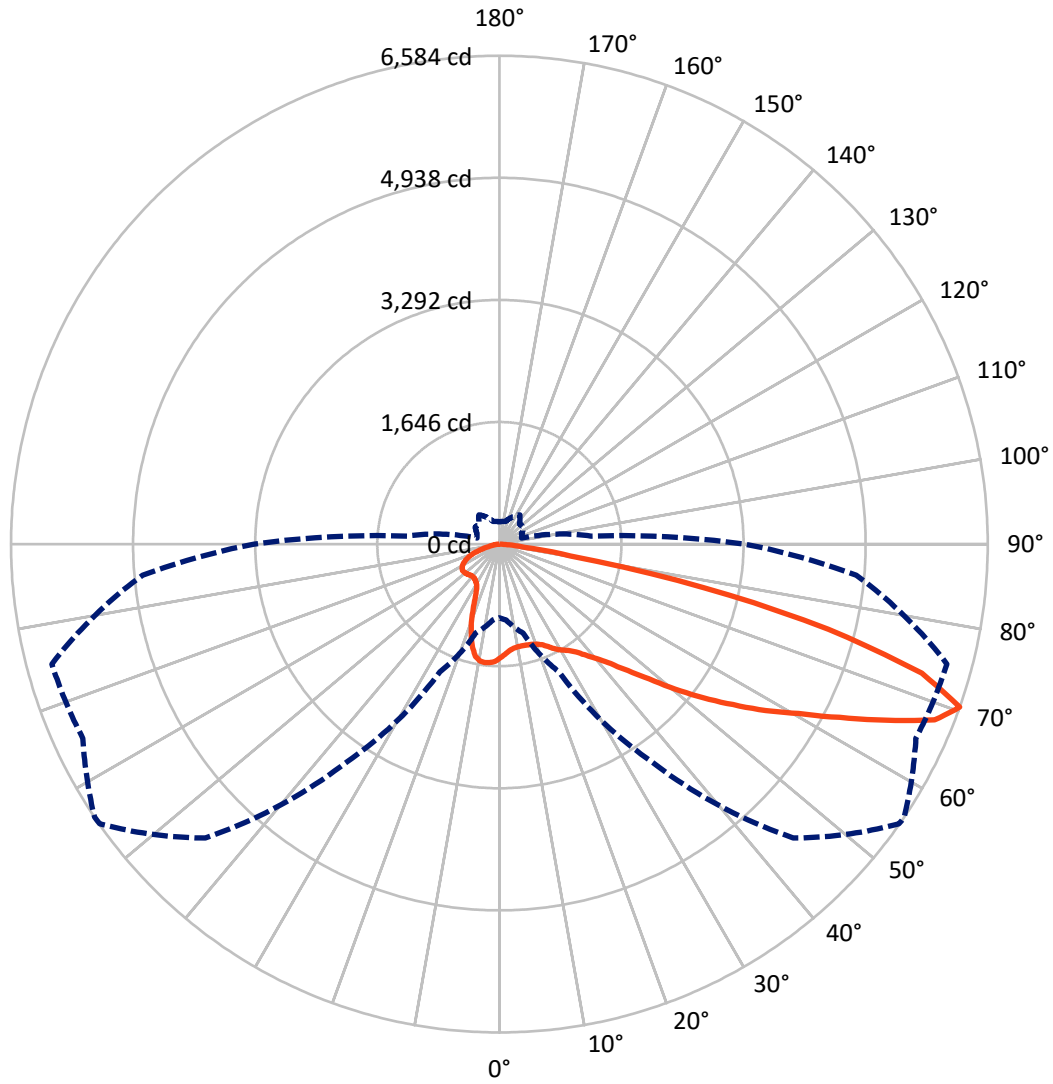
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P632453  
CATALOG NUMBER: GWS-SA2C-760-U-T3R-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P632453

CATALOG NUMBER: GWS-SA2C-760-U-T3R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1825.0	0.0	1825.0
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	7667.6	0.0	7667.6
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	9492.6	0.0	9492.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.8	1.5
10°-20°	384.2	4.0
20°-30°	635.2	6.7
30°-40°	949.7	10.0
40°-50°	1413.2	14.9
50°-60°	2009.2	21.2
60°-70°	2488.5	26.2
70°-80°	1374.1	14.5
80°-90°	96.8	1.0
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°	9492.6	100.0
0°-180°	9492.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632453

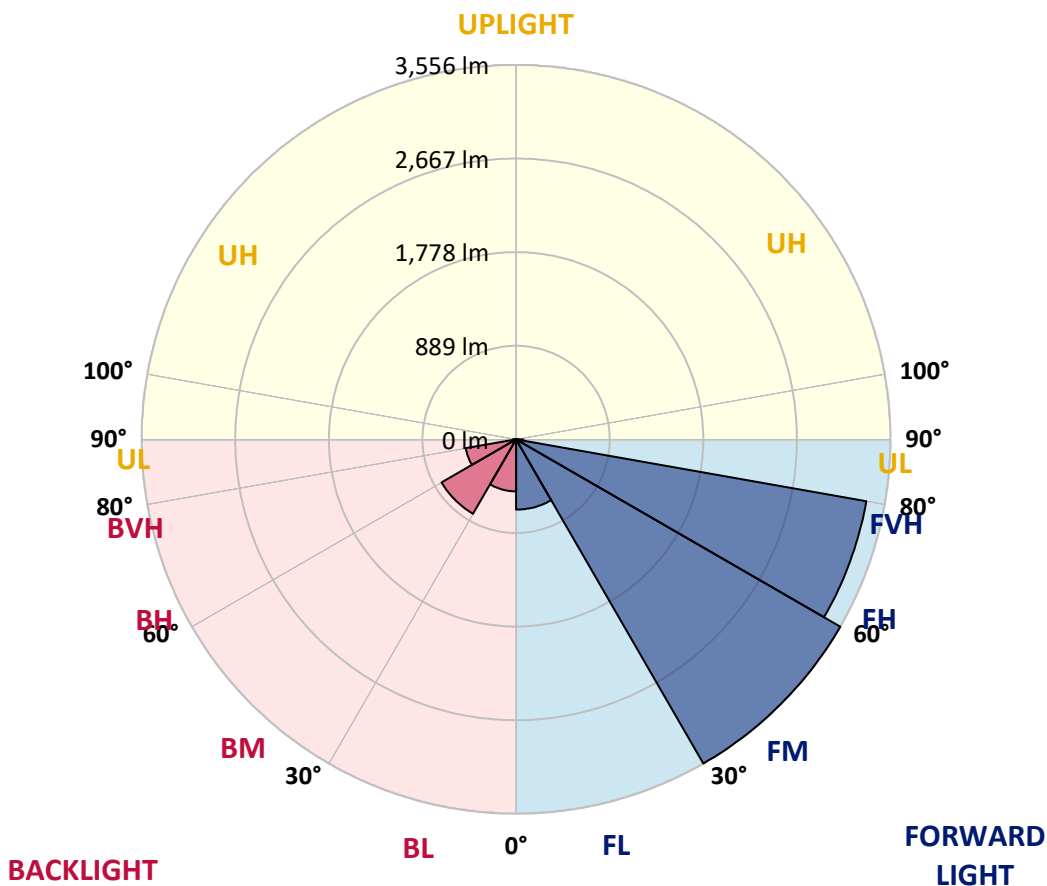
CATALOG NUMBER: GWS-SA2C-760-U-T3R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	667.1	7.0			
FM (30°-60°)	3555.8	37.5			
FH (60°-80°)	3377.5	35.6			G2/5000
FVH (80°-90°)	67.2	0.7			G1/100
BL (0°-30°)	494.0	5.2	B1/500		
BM (30°-60°)	816.3	8.6	B1/1000		
BH (60°-80°)	485.1	5.1	B1/500		G1/500
BVH (80°-90°)	29.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





REPORT NUMBER: P632453  
 CATALOG NUMBER: GWS-SA2C-760-U-T3R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3
2.5°	1433.9	1425.8	1435.2	1439.9	1451.9	1469.3	1484.7	1485.4	1493.4	1512.8	1531.6
5°	1368.9	1364.9	1367.6	1381.6	1394.4	1416.4	1439.9	1441.9	1464.6	1502.8	1540.3
7.5°	1318.7	1313.4	1323.4	1341.5	1357.5	1382.3	1413.1	1415.8	1447.9	1505.5	1563.0
10°	1246.4	1242.4	1261.1	1285.2	1320.1	1360.9	1401.7	1405.1	1447.2	1522.9	1603.2
12.5°	1215.0	1215.0	1223.0	1245.7	1283.9	1338.1	1399.7	1405.1	1457.9	1549.7	1654.8
15°	1263.8	1267.2	1260.5	1259.1	1274.5	1326.1	1402.4	1410.4	1478.0	1577.1	1705.6
17.5°	1362.2	1365.6	1348.2	1320.7	1305.3	1337.5	1412.4	1421.1	1499.5	1607.2	1760.5
20°	1500.1	1504.1	1466.0	1423.8	1370.9	1370.3	1431.8	1439.9	1526.9	1640.0	1818.8
22.5°	1661.4	1664.1	1615.9	1549.0	1468.0	1431.2	1465.3	1473.3	1562.4	1685.5	1881.7
25°	1848.2	1856.2	1798.0	1700.9	1591.2	1514.8	1520.9	1530.2	1626.0	1746.5	1956.0
27.5°	2047.7	2057.7	1990.8	1883.7	1732.4	1607.2	1592.5	1600.5	1693.6	1783.9	1995.5
30°	2251.9	2259.2	2192.3	2069.8	1884.4	1711.7	1652.7	1657.4	1723.0	1802.0	2035.6
32.5°	2478.8	2472.8	2408.5	2267.3	2059.7	1836.8	1709.0	1707.6	1755.8	1838.2	2093.2
35°	2691.6	2700.4	2632.1	2476.1	2252.5	1991.5	1793.3	1788.0	1825.4	1897.1	2174.2
37.5°	2949.4	2946.7	2865.0	2696.3	2446.0	2139.4	1911.8	1902.4	1915.8	1988.8	2287.3
40°	3133.5	3152.2	3099.3	2942.0	2672.2	2321.5	2050.4	2029.6	2033.0	2101.9	2438.6
42.5°	3284.1	3301.5	3306.8	3206.4	2931.3	2546.4	2223.1	2202.3	2204.3	2302.1	2624.7
45°	3399.9	3423.3	3498.9	3469.5	3223.2	2806.1	2456.7	2435.3	2436.6	2545.1	2849.6
47.5°	3447.4	3472.8	3626.1	3696.4	3533.1	3116.7	2747.2	2715.7	2720.4	2840.3	3106.7
50°	3432.0	3466.1	3673.7	3871.1	3792.8	3432.7	3094.6	3072.5	3054.5	3228.5	3385.8
52.5°	3299.5	3336.9	3669.0	3982.2	4005.0	3731.2	3453.4	3440.7	3436.7	3640.9	3697.8
55°	2909.2	2972.1	3507.6	4011.7	4171.0	4012.4	3842.3	3820.9	3841.7	4082.7	4013.0
57.5°	2693.0	2739.8	3191.7	3978.9	4306.9	4280.1	4230.6	4232.6	4256.0	4562.6	4395.3
60°	2569.8	2624.7	3016.3	3889.2	4437.4	4605.5	4636.9	4636.9	4679.1	5080.1	4783.5
62.5°	2406.5	2462.0	2852.3	3716.5	4557.9	4988.4	5147.7	5145.7	5162.4	5635.0	5163.1
65°	2075.1	2126.7	2523.0	3444.1	4616.8	5410.1	5728.0	5722.0	5688.5	6129.0	5414.1
67.5°	1506.8	1555.7	1932.6	2925.9	4404.6	5750.1	6325.8	6328.5	6128.3	6440.3	5427.5
70°	993.4	1026.9	1242.4	1900.4	3581.9	5603.5	6576.2	6584.2	6195.9	6246.2	4830.4
72.5°	619.9	643.3	775.8	1133.3	2116.6	4435.4	5933.5	5955.6	5574.1	5489.1	3968.9
75°	411.7	427.7	516.1	660.7	979.3	2400.5	4510.4	4581.4	4467.6	4302.9	2765.3
77.5°	247.7	261.1	328.7	419.7	433.8	937.8	2632.7	2816.2	2832.2	2246.5	1158.1
80°	113.1	128.5	181.4	239.6	230.9	326.7	928.5	971.3	1146.0	713.6	365.5
82.5°	66.9	73.6	120.5	119.2	98.4	158.6	334.0	342.7	291.2	261.1	156.0
85°	26.8	31.5	50.9	44.8	36.1	51.5	125.8	131.9	126.5	113.8	57.6
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	11.4	12.0	17.4	31.5	17.4
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: P632453  
 CATALOG NUMBER: GWS-SA2C-760-U-T3R-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3
2.5°	1543.6	1539.6	1559.7	1575.1	1581.8	1588.5	1582.5	1580.4	1580.4	1567.1	1560.4
5°	1560.4	1562.4	1589.8	1602.5	1602.5	1597.2	1581.1	1569.7	1565.7	1548.3	1543.6
7.5°	1591.8	1600.5	1626.0	1625.3	1606.6	1577.1	1536.9	1506.1	1478.0	1466.0	1458.6
10°	1643.4	1654.8	1672.2	1644.0	1591.8	1514.2	1429.2	1362.2	1322.1	1289.9	1289.9
12.5°	1702.3	1713.0	1709.6	1644.7	1536.9	1391.7	1269.2	1192.2	1136.0	1106.5	1106.5
15°	1761.2	1769.9	1733.7	1613.9	1422.5	1229.0	1095.1	1002.8	953.9	926.4	926.4
17.5°	1820.8	1820.1	1743.8	1543.0	1273.2	1048.9	917.7	846.1	829.4	824.7	824.0
20°	1878.3	1862.9	1731.1	1424.5	1099.8	867.5	784.5	789.2	814.0	824.7	826.0
22.5°	1943.3	1905.1	1693.6	1273.2	903.0	741.7	747.0	785.9	822.0	838.1	840.1
25°	2009.5	1941.3	1630.7	1095.8	738.3	695.5	737.0	780.5	821.4	842.1	844.1
27.5°	2036.3	1941.3	1523.5	890.3	650.7	676.1	721.6	763.8	806.6	830.7	835.4
30°	2058.4	1924.5	1373.6	704.9	614.5	657.3	696.8	735.7	777.8	807.3	812.6
32.5°	2089.2	1909.8	1192.2	592.4	597.8	639.3	666.7	699.5	737.7	757.1	755.1
35°	2125.3	1887.0	973.3	538.9	583.7	623.9	643.3	662.7	645.3	644.6	646.6
37.5°	2176.9	1867.0	782.5	514.8	574.3	613.2	629.2	587.7	563.6	553.6	549.6
40°	2251.2	1858.9	617.2	500.7	573.0	612.5	601.1	536.9	504.1	469.2	468.6
42.5°	2344.9	1852.9	510.1	494.0	577.7	627.9	562.3	503.4	435.8	420.4	419.0
45°	2465.4	1843.5	456.5	492.7	589.1	639.9	558.3	457.2	411.0	404.3	404.3
47.5°	2610.7	1828.8	432.4	492.7	601.8	634.6	546.2	447.2	399.6	407.0	411.7
50°	2777.3	1810.1	419.7	491.3	614.5	634.6	520.8	445.1	397.0	435.1	450.5
52.5°	2955.4	1788.6	411.0	486.0	623.2	635.3	522.1	451.8	399.6	441.8	454.5
55°	3152.2	1785.3	399.0	474.6	625.9	617.9	525.5	466.6	403.6	400.3	401.0
57.5°	3400.5	1825.4	390.3	457.9	615.2	582.4	532.2	477.3	399.0	399.6	404.3
60°	3660.3	1901.1	397.6	441.8	593.1	548.9	536.9	471.9	376.2	365.5	366.8
62.5°	3881.2	1958.7	403.6	434.4	561.0	519.5	532.2	459.9	363.5	360.8	366.8
65°	3973.5	1911.1	388.9	419.0	514.1	483.3	522.1	444.5	352.8	342.7	343.4
67.5°	3871.1	1688.2	360.1	384.9	461.2	437.1	506.1	424.4	338.0	326.0	323.3
70°	3306.8	1240.4	310.6	330.7	397.0	382.9	481.3	398.3	314.6	305.9	299.9
72.5°	2664.9	878.2	257.7	263.1	311.3	322.6	438.5	365.5	287.8	263.1	254.4
75°	1854.9	551.6	214.9	209.5	224.9	246.3	342.1	303.2	248.3	222.2	214.2
77.5°	797.9	283.2	168.0	165.3	149.9	170.7	262.4	253.0	208.2	178.1	173.4
80°	267.1	164.0	121.2	116.5	99.7	119.8	184.8	202.2	163.3	131.9	123.8
82.5°	133.9	95.1	77.0	69.6	66.9	75.6	109.1	125.8	113.1	91.0	77.0
85°	65.6	54.2	42.2	41.5	34.8	32.8	45.5	53.6	50.9	37.5	35.5
87.5°	24.1	21.4	13.4	10.7	6.7	4.7	2.7	2.7	2.0	2.0	2.0
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)