

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: P639756

Luminaire Tested: GWS-SA5C-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639756
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-SA5C-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23625.6 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

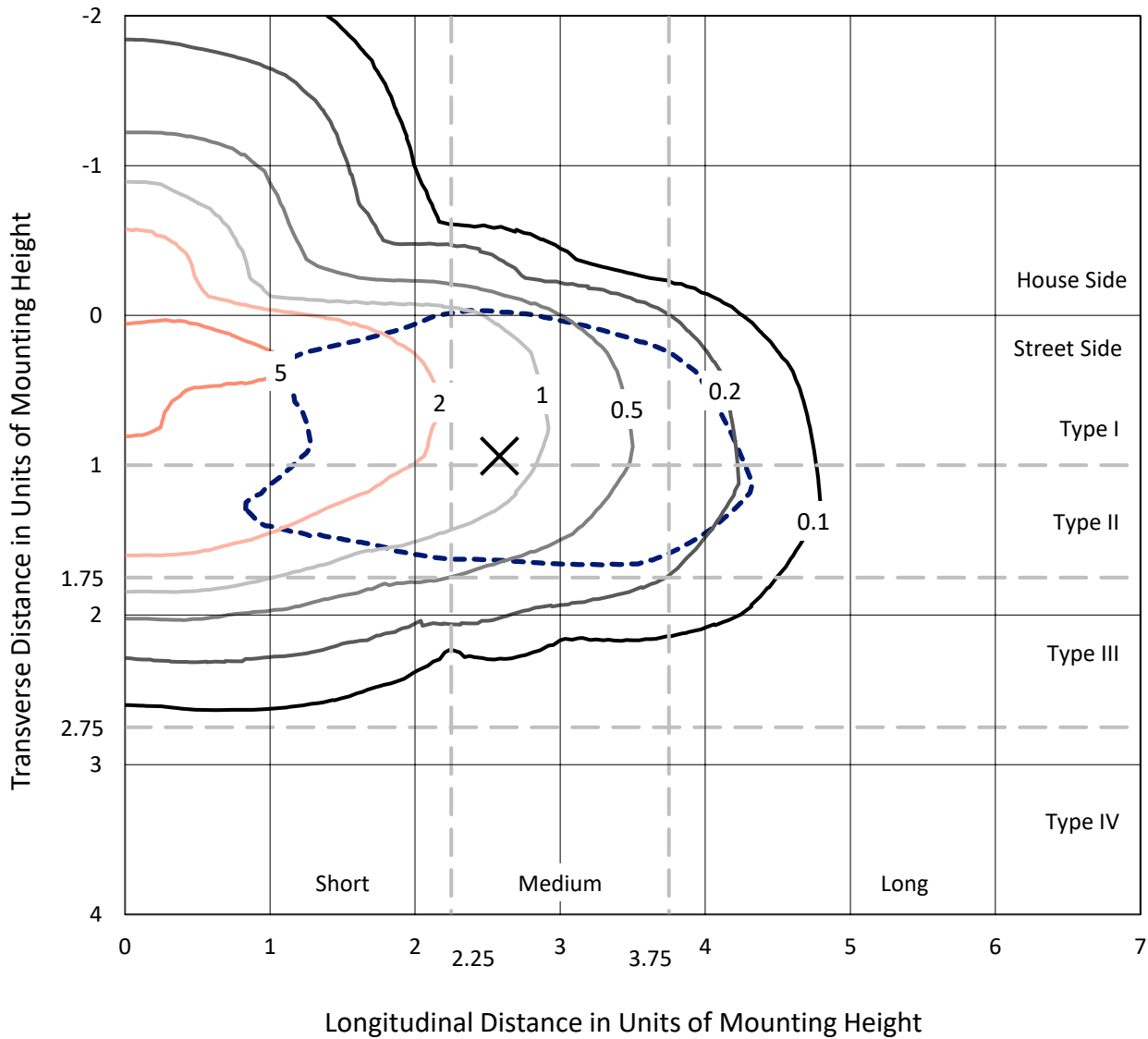
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639756
 CATALOG NUMBER: GWS-SA5C-740-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

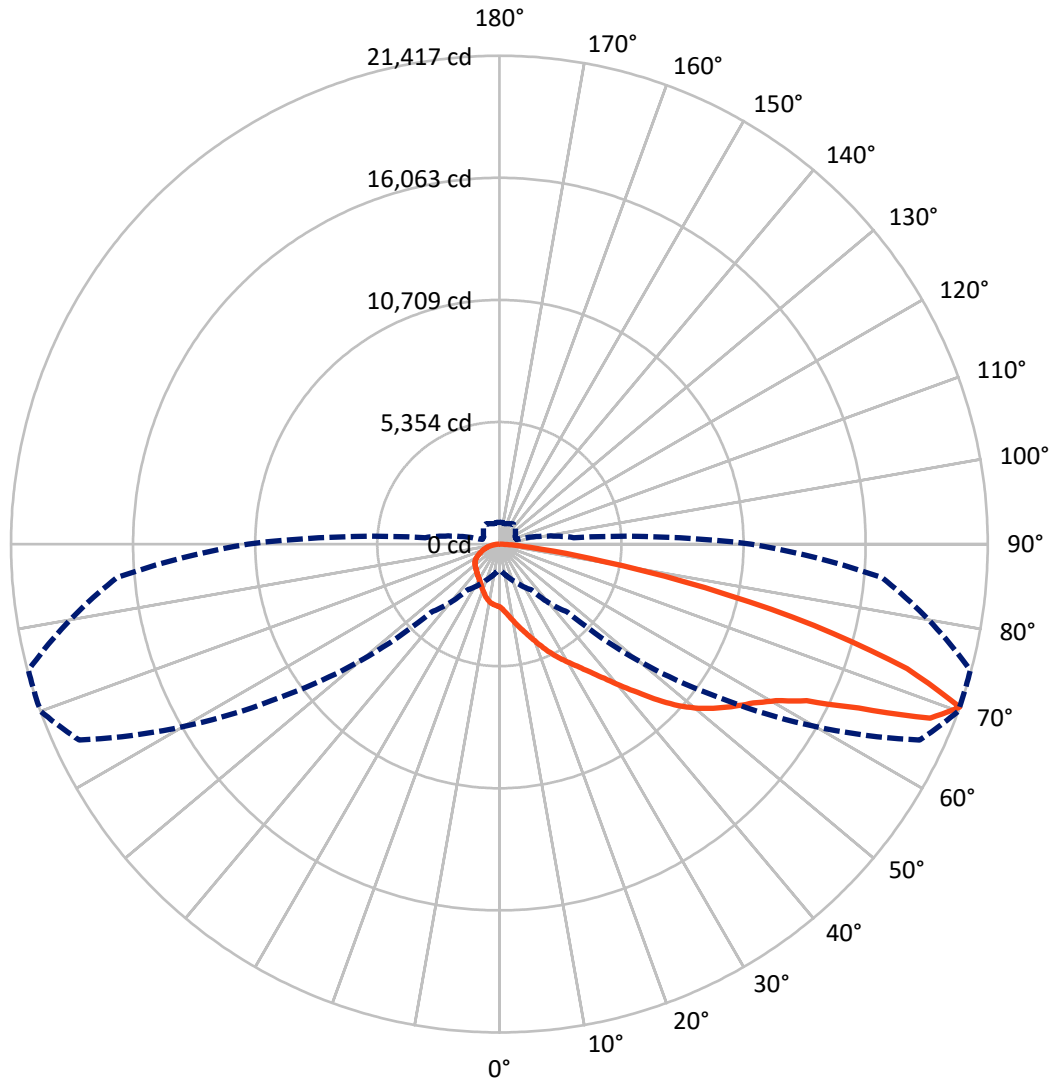
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P639756
CATALOG NUMBER: GWS-SA5C-740-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639756

CATALOG NUMBER: GWS-SA5C-740-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4233.8	0.0	4233.8
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	19391.8	0.0	19391.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	23625.6	0.0	23625.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.0	1.2
10°-20°	911.0	3.9
20°-30°	1613.8	6.8
30°-40°	2428.8	10.3
40°-50°	3674.5	15.6
50°-60°	5263.9	22.3
60°-70°	5818.7	24.6
70°-80°	3283.6	13.9
80°-90°	351.2	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°	23625.6	100.0
0°-180°	23625.6	100.0

Coefficient of Utilization



REPORT NUMBER: P639756

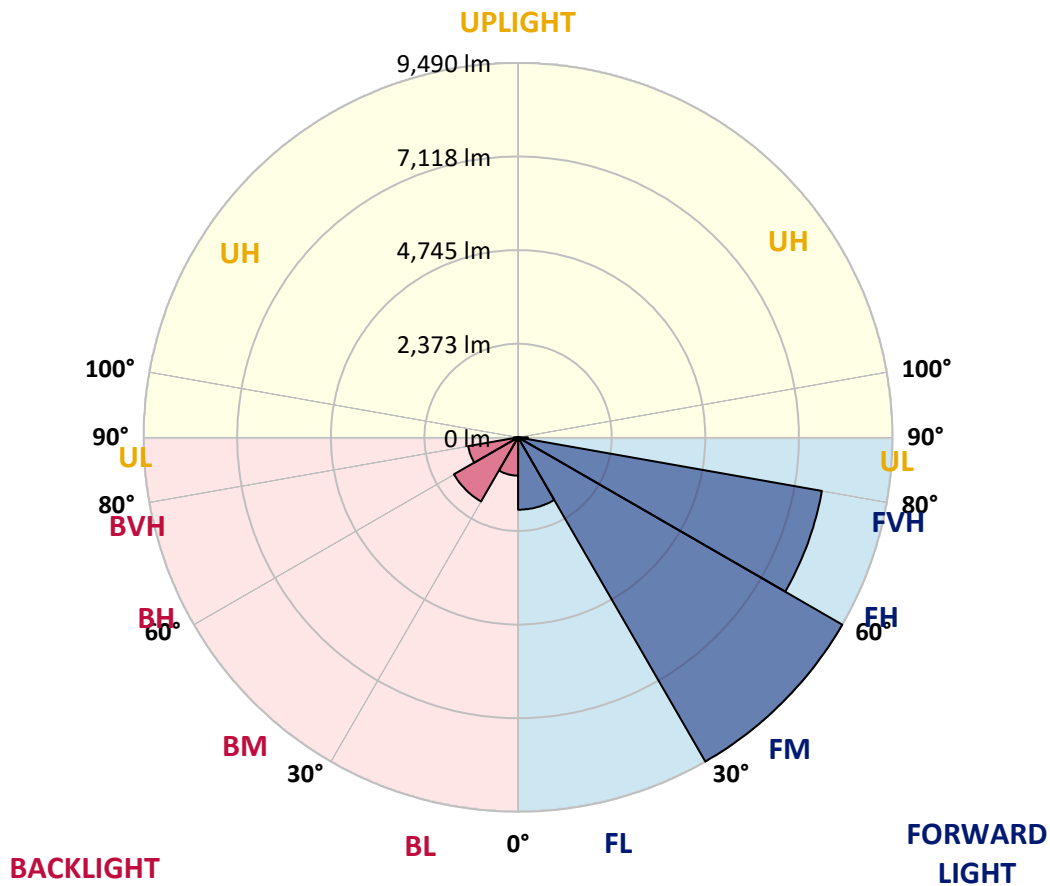
CATALOG NUMBER: GWS-SA5C-740-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1834.1	7.8			
FM (30°-60°)	9490.4	40.2			
FH (60°-80°)	7819.1	33.1			G4/12000
FVH (80°-90°)	248.3	1.1			G3/500
BL (0°-30°)	970.7	4.1	B2/1000		
BM (30°-60°)	1876.9	7.9	B2/2500		
BH (60°-80°)	1283.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	102.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium





REPORT NUMBER: P639756
 CATALOG NUMBER: GWS-SA5C-740-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2
2.5°	3052.3	3047.1	3050.6	3047.1	3028.4	2982.3	2944.7	2896.9	2864.5	2845.7	2801.3
5°	3410.8	3405.6	3393.7	3376.6	3342.5	3279.3	3185.4	3081.3	3018.1	2970.3	2876.4
7.5°	3668.5	3668.5	3666.8	3646.3	3622.4	3555.9	3444.9	3308.3	3216.1	3134.2	2980.6
10°	3800.0	3808.5	3820.5	3849.5	3844.4	3808.5	3704.4	3557.6	3441.5	3345.9	3117.1
12.5°	3871.7	3876.8	3897.3	3957.0	4018.5	4027.0	3965.6	3811.9	3685.6	3557.6	3269.1
15°	3963.8	3965.6	3992.9	4064.6	4155.0	4245.5	4230.2	4076.5	3946.8	3805.1	3438.1
17.5°	4035.5	4047.5	4097.0	4180.6	4293.3	4417.9	4493.0	4397.4	4237.0	4074.8	3622.4
20°	4061.2	4069.7	4134.6	4262.6	4416.2	4592.1	4759.4	4733.7	4571.6	4380.4	3830.7
22.5°	4153.3	4153.3	4201.1	4308.7	4489.6	4745.7	5017.1	5083.7	4940.3	4716.7	4054.3
25°	4356.5	4349.7	4371.8	4416.2	4552.8	4868.6	5271.5	5471.2	5310.7	5059.8	4278.0
27.5°	4634.7	4631.3	4629.6	4636.4	4682.5	4976.2	5486.6	5833.1	5672.6	5389.3	4477.7
30°	4936.9	4926.6	4948.8	4928.4	4918.1	5104.2	5669.2	6157.5	6032.8	5715.3	4643.3
32.5°	5348.3	5329.5	5324.4	5257.8	5216.8	5303.9	5816.0	6526.2	6427.2	6067.0	4829.3
35°	5891.1	5874.1	5787.0	5681.2	5560.0	5600.9	5998.7	6886.4	6893.2	6507.4	5073.5
37.5°	6439.1	6442.5	6374.3	6125.0	6000.4	5976.5	6276.9	7325.1	7471.9	7033.2	5389.3
40°	6894.9	6915.4	6915.4	6652.5	6466.4	6444.2	6667.9	7845.8	8137.7	7678.5	5788.7
42.5°	7241.5	7260.2	7320.0	7130.5	6934.2	7011.0	7142.4	8368.1	8892.2	8475.7	6294.0
45°	7622.1	7637.5	7669.9	7560.7	7446.3	7651.2	7680.2	8992.9	9756.0	9370.2	6881.3
47.5°	8127.4	8113.8	8117.2	8037.0	7948.2	8279.4	8272.5	9518.7	10590.8	10350.1	7518.0
50°	8755.6	8781.2	8757.3	8598.6	8494.5	8796.6	8835.9	10100.8	11324.8	11319.7	8159.9
52.5°	9359.9	9370.2	9496.5	9503.3	9290.0	9226.8	9329.2	10688.1	11944.5	12207.4	8776.1
55°	9390.7	9429.9	9808.9	10082.0	10426.9	9919.9	9827.7	11248.0	12543.7	13076.3	9416.3
57.5°	8736.9	8800.0	9443.6	10032.5	10991.9	11109.7	10681.2	11971.8	13142.8	13931.5	10157.2
60°	7340.5	7471.9	8345.9	9247.3	10737.6	11965.0	12427.6	12955.1	13929.8	14805.5	11056.8
62.5°	4687.7	4738.9	5964.6	7473.6	9592.1	11881.3	14329.3	14687.8	15128.2	15944.2	12442.9
65°	2347.2	2511.1	3229.8	4460.6	6917.1	10469.5	15290.4	17861.2	17321.8	17893.7	14689.5
67.5°	1592.7	1645.6	2009.2	2680.1	4056.0	7417.3	14694.6	20534.5	20375.8	20469.6	17084.5
70°	1174.5	1208.6	1495.4	1898.3	2453.1	4211.4	11698.6	20333.1	21417.1	21382.9	16833.6
72.5°	857.0	874.0	1090.8	1449.3	1818.0	2178.2	7144.1	16425.6	18696.0	19681.0	14721.9
75°	623.1	643.6	757.9	1084.0	1413.5	1358.8	3526.8	11864.2	14257.6	16152.4	11994.0
77.5°	464.3	489.9	542.9	679.4	990.1	973.0	1524.4	7704.1	9221.7	10549.8	7285.8
80°	334.6	339.7	370.4	435.3	628.2	570.2	725.5	4016.8	4605.7	5046.1	2856.0
82.5°	203.1	208.3	247.5	268.0	389.2	358.5	377.3	1300.8	1864.1	1978.5	1066.9
85°	59.7	63.2	112.7	122.9	162.2	153.6	151.9	529.2	631.6	807.5	419.9
87.5°	0.0	0.0	0.0	0.0	1.7	10.2	18.8	93.9	141.7	196.3	102.4
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: P639756
 CATALOG NUMBER: GWS-SA5C-740-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2	2755.2
2.5°	2784.3	2745.0	2724.5	2688.7	2663.1	2637.4	2611.8	2587.9	2577.7	2562.3	2565.7
5°	2833.8	2772.3	2710.9	2640.9	2581.1	2531.6	2487.2	2448.0	2430.9	2415.5	2422.4
7.5°	2908.9	2816.7	2698.9	2570.9	2477.0	2408.7	2362.6	2335.3	2326.8	2314.8	2314.8
10°	3004.5	2866.2	2659.6	2477.0	2364.3	2309.7	2289.2	2287.5	2296.0	2297.7	2294.3
12.5°	3110.3	2914.0	2601.6	2366.0	2270.4	2253.4	2268.7	2297.7	2326.8	2342.1	2338.7
15°	3219.6	2944.7	2502.6	2260.2	2202.1	2224.3	2273.8	2331.9	2388.2	2417.2	2415.5
17.5°	3322.0	2951.5	2374.6	2157.8	2142.4	2198.7	2284.1	2374.6	2451.4	2492.3	2494.1
20°	3436.4	2939.6	2243.1	2065.6	2082.6	2174.8	2287.5	2396.7	2487.2	2528.2	2538.4
22.5°	3540.5	2898.6	2115.1	1978.5	2031.4	2145.8	2260.2	2362.6	2442.8	2482.1	2495.8
25°	3634.4	2820.1	1975.1	1905.1	1992.2	2104.8	2191.9	2263.6	2319.9	2343.8	2362.6
27.5°	3685.6	2702.3	1869.3	1847.1	1954.6	2046.8	2094.6	2116.8	2135.6	2128.7	2142.4
30°	3695.8	2555.5	1777.1	1801.0	1898.3	1966.6	1976.8	1954.6	1922.2	1869.3	1881.2
32.5°	3685.6	2386.5	1700.3	1751.5	1835.1	1876.1	1862.4	1804.4	1725.9	1643.9	1649.0
35°	3689.0	2215.8	1637.1	1696.8	1761.7	1783.9	1749.8	1669.5	1585.9	1510.8	1507.4
37.5°	3726.6	2072.4	1584.2	1643.9	1690.0	1693.4	1655.9	1572.2	1529.5	1473.2	1466.4
40°	3830.7	1966.6	1536.4	1591.0	1620.0	1618.3	1575.6	1515.9	1544.9	1526.1	1521.0
42.5°	4001.4	1901.7	1497.1	1534.7	1555.2	1558.6	1524.4	1486.9	1550.0	1526.1	1517.6
45°	4276.2	1898.3	1469.8	1478.3	1510.8	1534.7	1510.8	1468.1	1492.0	1375.9	1353.7
47.5°	4602.3	1956.3	1449.3	1428.8	1485.2	1527.8	1490.3	1422.0	1372.5	1266.7	1251.3
50°	4994.9	2074.1	1430.5	1375.9	1447.6	1502.2	1464.7	1370.8	1295.7	1239.3	1230.8
52.5°	5461.0	2229.5	1406.6	1316.2	1391.3	1488.6	1464.7	1365.7	1266.7	1215.4	1206.9
55°	5949.2	2408.7	1379.3	1244.5	1328.1	1492.0	1476.6	1329.8	1244.5	1217.2	1210.3
57.5°	6555.2	2623.8	1329.8	1160.8	1271.8	1461.3	1428.8	1309.3	1229.1	1206.9	1200.1
60°	7342.2	2943.0	1235.9	1075.5	1206.9	1406.6	1386.2	1275.2	1188.1	1169.4	1164.2
62.5°	8588.3	3484.2	1121.6	993.5	1130.1	1292.3	1323.0	1210.3	1136.9	1135.2	1133.5
65°	10619.8	4134.6	986.7	920.1	1049.9	1198.4	1239.3	1143.7	1084.0	1102.8	1101.1
67.5°	12043.5	4190.9	875.7	843.3	956.0	1095.9	1155.7	1075.5	1010.6	1046.4	1044.7
70°	11031.2	3269.1	780.1	763.1	855.2	985.0	1065.2	990.1	925.2	959.4	952.6
72.5°	9303.6	2506.0	689.7	679.4	752.8	868.9	949.1	904.8	836.5	836.5	821.1
75°	7477.0	2067.3	594.1	588.9	638.4	751.1	841.6	766.5	703.3	699.9	689.7
77.5°	4288.2	1355.4	498.5	495.1	510.4	628.2	653.8	638.4	590.7	568.5	561.6
80°	1708.8	705.0	392.6	370.4	385.8	460.9	515.5	489.9	449.0	421.6	406.3
82.5°	662.3	353.4	276.5	242.4	264.6	332.9	373.9	365.3	338.0	276.5	259.5
85°	269.7	172.4	165.6	140.0	153.6	179.2	215.1	186.1	153.6	109.3	104.1
87.5°	71.7	63.2	61.5	37.6	29.0	8.5	1.7	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)