

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: P634930

Luminaire Tested: GWS-SA3C-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13593.9 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

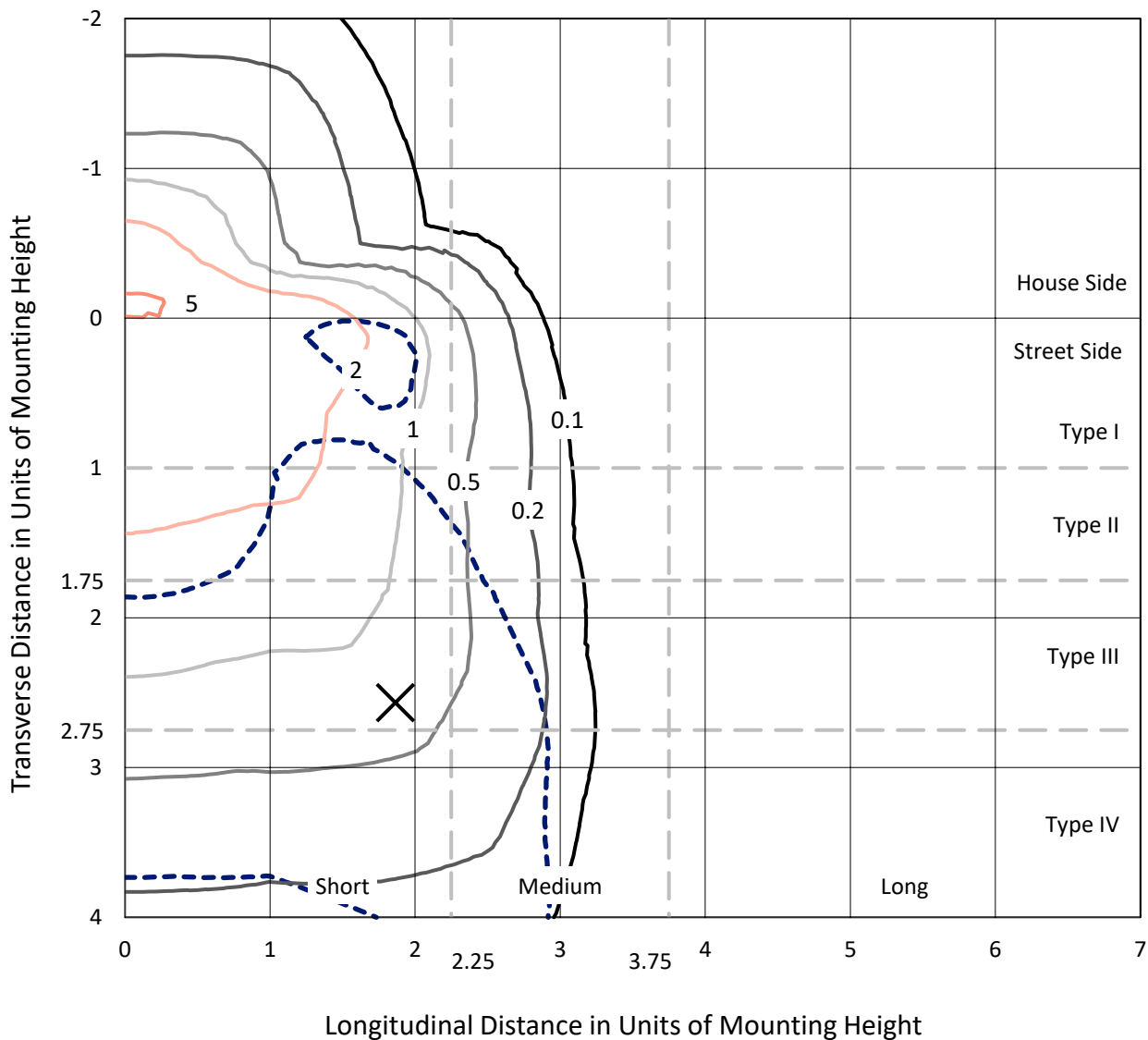
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634930
 CATALOG NUMBER: GWS-SA3C-760-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

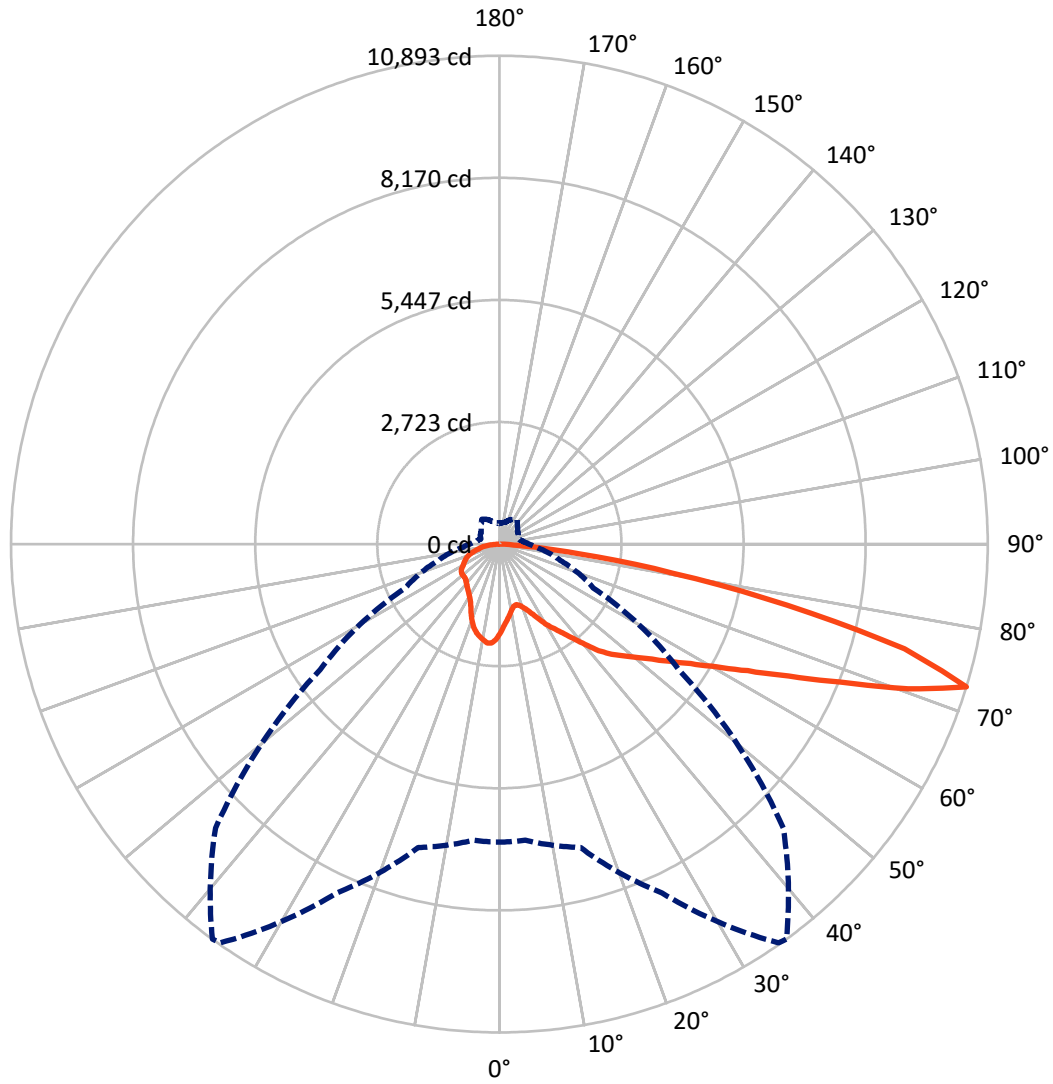
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P634930
CATALOG NUMBER: GWS-SA3C-760-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P634930

CATALOG NUMBER: GWS-SA3C-760-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3134.0	0.0	3134.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	10459.9	0.0	10459.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	13593.9	0.0	13593.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	1.4
10°-20°	524.7	3.9
20°-30°	868.9	6.4
30°-40°	1301.3	9.6
40°-50°	1898.5	14.0
50°-60°	2702.2	19.9
60°-70°	3414.0	25.1
70°-80°	2432.8	17.9
80°-90°	265.6	2.0
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°	13593.9	100.0
0°-180°	13593.9	100.0

Coefficient of Utilization



REPORT NUMBER: P634930

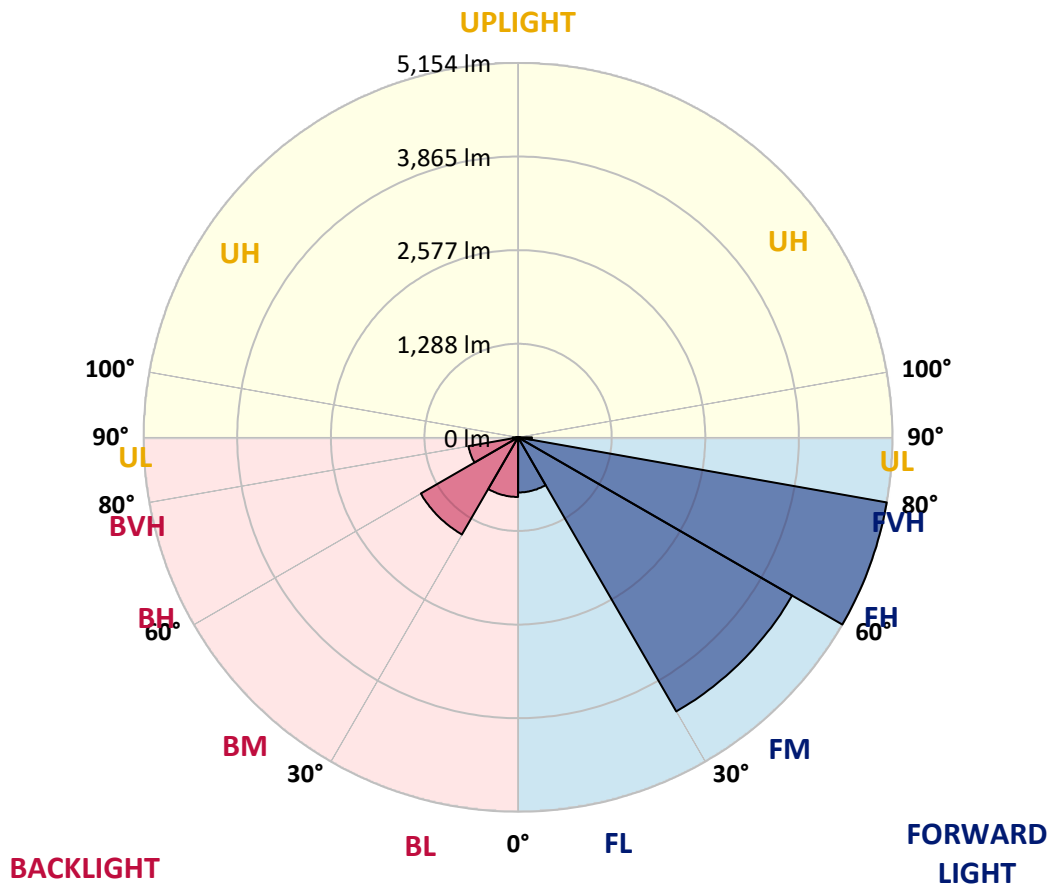
CATALOG NUMBER: GWS-SA3C-760-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	758.9	5.6			
FM (30°-60°)	4356.5	32.0			
FH (60°-80°)	5153.9	37.9			G3/7500
FVH (80°-90°)	190.6	1.4			G2/225
BL (0°-30°)	820.7	6.0	B2/1000		
BM (30°-60°)	1545.5	11.4	B2/2500		
BH (60°-80°)	692.8	5.1	B2/1000		G2/1000
BVH (80°-90°)	75.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P634930

CATALOG NUMBER: GWS-SA3C-760-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5
2.5°	1815.0	1812.0	1805.9	1824.1	1842.2	1840.2	1865.4	1889.6	1915.9	1943.1	1979.4
5°	1669.7	1667.7	1662.6	1689.9	1717.1	1716.1	1757.5	1796.8	1850.3	1908.8	1981.5
7.5°	1524.4	1519.4	1526.4	1560.8	1599.1	1603.1	1659.6	1724.2	1801.9	1889.6	1992.6
10°	1396.3	1395.3	1398.3	1436.7	1494.2	1498.2	1570.8	1660.6	1763.5	1880.6	2017.8
12.5°	1363.0	1361.0	1352.9	1372.1	1415.5	1421.5	1501.2	1611.2	1737.3	1885.6	2052.1
15°	1417.5	1412.4	1384.2	1375.1	1396.3	1401.3	1468.9	1581.9	1722.2	1894.7	2095.5
17.5°	1511.3	1508.3	1454.8	1417.5	1431.6	1435.6	1486.1	1576.9	1718.1	1912.9	2148.9
20°	1648.5	1635.4	1551.7	1495.2	1495.2	1501.2	1531.5	1599.1	1723.2	1935.0	2209.5
22.5°	1830.1	1803.9	1685.9	1609.2	1589.0	1597.1	1610.2	1654.6	1744.4	1972.4	2285.1
25°	2033.9	2009.7	1869.5	1761.5	1733.3	1736.3	1725.2	1733.3	1790.8	2023.8	2379.0
27.5°	2250.8	2234.7	2085.4	1948.2	1903.8	1903.8	1864.4	1845.3	1855.3	2082.3	2483.9
30°	2444.5	2422.3	2296.2	2145.9	2087.4	2087.4	2012.7	1971.4	1947.2	2154.0	2624.1
32.5°	2546.4	2533.3	2449.6	2334.6	2262.9	2251.8	2187.3	2138.8	2082.3	2259.9	2813.8
35°	2679.6	2676.6	2626.1	2536.3	2445.5	2429.4	2385.0	2346.7	2248.8	2392.1	3066.0
37.5°	2847.1	2842.0	2834.0	2780.5	2671.5	2668.5	2629.2	2582.8	2455.6	2582.8	3371.7
40°	3034.7	3025.7	3015.6	3014.6	2949.0	2937.9	2934.9	2882.4	2704.8	2812.8	3690.5
42.5°	3293.0	3261.7	3166.9	3209.3	3257.7	3247.6	3285.9	3207.3	3015.6	3086.2	3992.2
45°	3610.8	3534.1	3346.5	3358.6	3480.7	3500.8	3634.0	3614.8	3357.6	3402.0	4310.0
47.5°	3801.5	3734.9	3560.4	3550.3	3702.6	3727.8	4017.4	4053.7	3725.8	3782.3	4702.4
50°	3957.9	3911.5	3768.2	3782.3	3943.7	3969.0	4397.7	4475.4	4072.9	4171.8	5158.4
52.5°	4146.5	4079.9	3969.0	4035.6	4233.3	4263.6	4820.5	4904.2	4385.6	4599.5	5630.6
55°	4252.5	4225.2	4227.2	4329.1	4577.3	4618.7	5263.4	5249.2	4672.2	4965.7	5985.7
57.5°	4496.6	4486.5	4579.3	4617.7	4978.9	5032.3	5706.3	5585.2	4932.5	5249.2	6156.2
60°	4927.4	4902.2	4982.9	5041.4	5475.2	5550.9	6200.6	5914.1	5109.0	5460.1	6098.7
62.5°	5532.7	5501.5	5504.5	5597.3	6140.1	6219.8	6750.5	6188.5	5163.5	5492.4	5734.5
65°	6285.4	6240.0	6188.5	6314.6	7022.9	7089.5	7348.7	6388.3	5033.3	5181.7	4973.8
67.5°	7079.4	7042.0	6981.5	7245.8	8165.9	8206.3	8019.7	6371.1	4620.7	4350.3	3488.7
70°	7125.8	7134.9	7421.4	8377.8	9658.1	9668.2	8654.2	6026.1	3742.0	2819.8	1738.3
72.5°	6647.6	6632.4	7005.7	8584.6	10858.7	10893.0	8953.9	4882.0	2312.4	1406.4	815.2
75°	5399.6	5425.8	5818.3	7511.2	9307.0	9337.3	7299.3	2878.4	1098.7	688.1	521.6
77.5°	2324.5	2470.8	3244.6	5291.6	6665.7	6571.9	3762.1	1166.3	586.2	490.3	399.5
80°	670.9	728.4	1156.2	2516.2	3994.2	3923.6	1489.1	436.8	408.6	368.2	286.5
82.5°	216.9	240.1	423.7	1001.8	1789.8	1787.8	565.0	258.3	267.4	250.2	184.6
85°	60.5	69.6	130.1	303.7	553.9	542.8	163.4	122.1	142.3	144.3	91.8
87.5°	0.0	0.0	1.0	2.0	2.0	2.0	4.0	18.2	41.4	52.5	37.3
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: P634930
 CATALOG NUMBER: GWS-SA3C-760-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5	1989.5
2.5°	2001.6	1998.6	2040.0	2072.3	2102.5	2122.7	2128.8	2132.8	2140.9	2144.9	2140.9
5°	2015.8	2030.9	2099.5	2149.9	2190.3	2214.5	2215.5	2213.5	2219.6	2214.5	2211.5
7.5°	2046.0	2075.3	2162.0	2215.5	2241.8	2242.8	2218.5	2190.3	2176.2	2164.1	2160.0
10°	2086.4	2129.8	2224.6	2259.9	2251.8	2214.5	2161.0	2116.6	2091.4	2073.3	2069.2
12.5°	2141.9	2190.3	2280.1	2279.1	2228.6	2162.0	2099.5	2046.0	2009.7	1988.5	1981.5
15°	2194.3	2255.9	2320.4	2273.0	2193.3	2112.6	2031.9	1960.3	1911.8	1878.6	1872.5
17.5°	2258.9	2324.5	2349.7	2253.9	2148.9	2045.0	1937.1	1843.2	1777.7	1738.3	1735.3
20°	2333.6	2392.1	2363.8	2220.6	2091.4	1955.2	1808.9	1704.0	1633.4	1595.1	1598.1
22.5°	2420.3	2462.7	2367.9	2175.2	2011.7	1828.1	1664.7	1563.8	1516.4	1496.2	1497.2
25°	2513.1	2540.4	2360.8	2113.6	1889.6	1672.7	1516.4	1470.0	1465.9	1460.9	1462.9
27.5°	2623.1	2617.1	2339.6	2026.9	1725.2	1492.1	1412.4	1424.6	1440.7	1438.7	1440.7
30°	2770.4	2712.9	2312.4	1906.8	1529.5	1340.8	1350.9	1385.2	1406.4	1408.4	1414.5
32.5°	2938.9	2818.8	2269.0	1743.4	1342.8	1256.1	1293.4	1334.8	1360.0	1365.0	1373.1
35°	3139.7	2939.9	2192.3	1539.6	1208.6	1205.6	1239.9	1268.2	1295.4	1297.4	1297.4
37.5°	3370.7	3061.0	2070.2	1314.6	1125.9	1162.2	1194.5	1200.6	1207.6	1201.6	1204.6
40°	3582.6	3178.0	1896.7	1109.8	1058.3	1123.9	1151.1	1131.0	1108.8	1093.6	1096.7
42.5°	3760.1	3257.7	1666.7	966.5	989.7	1089.6	1110.8	1069.4	1026.0	997.8	1001.8
45°	3959.9	3331.3	1396.3	869.7	931.2	1065.4	1079.5	1026.0	970.6	928.2	922.1
47.5°	4235.3	3481.7	1156.2	802.1	889.8	1052.3	1075.5	1002.8	930.2	866.6	859.6
50°	4575.3	3694.5	955.4	757.7	870.7	1045.2	1074.5	977.6	890.8	816.2	811.1
52.5°	4946.6	3902.4	807.1	723.4	851.5	1024.0	1069.4	949.4	849.5	768.8	762.7
55°	5193.8	3984.1	707.2	691.1	820.2	990.7	1049.2	922.1	786.9	713.3	704.2
57.5°	5266.4	3879.2	637.6	661.8	779.9	944.3	1010.9	864.6	748.6	690.1	683.0
60°	5141.3	3614.8	594.2	637.6	735.5	884.8	944.3	831.3	718.3	665.9	660.8
62.5°	4788.2	3207.3	560.9	612.4	690.1	822.2	901.9	791.0	685.0	643.7	636.6
65°	4077.9	2630.2	533.7	586.2	646.7	762.7	855.5	750.6	648.7	617.4	609.4
67.5°	2852.1	1847.3	504.4	554.9	603.3	705.2	807.1	713.3	611.4	588.2	580.1
70°	1394.3	979.6	469.1	518.6	556.9	646.7	758.7	667.9	562.0	548.8	537.7
72.5°	663.8	547.8	427.8	469.1	493.3	569.0	678.0	602.3	503.4	475.2	456.0
75°	444.9	389.4	373.3	410.6	416.7	477.2	581.1	519.6	443.9	411.6	395.5
77.5°	337.0	297.6	313.8	347.1	335.0	392.5	478.2	463.1	400.5	371.3	363.2
80°	237.1	216.9	249.2	269.4	260.3	333.9	430.8	396.5	329.9	297.6	291.6
82.5°	149.3	145.3	183.6	186.6	189.7	264.3	354.1	311.7	256.3	210.9	195.7
85°	74.7	82.7	110.0	110.0	109.0	136.2	201.8	175.5	138.2	110.0	106.9
87.5°	25.2	35.3	47.4	38.3	29.3	23.2	26.2	32.3	34.3	33.3	33.3
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)