

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: P632398

Luminaire Tested: GWS-SA2C-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632398
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-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9624.5 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

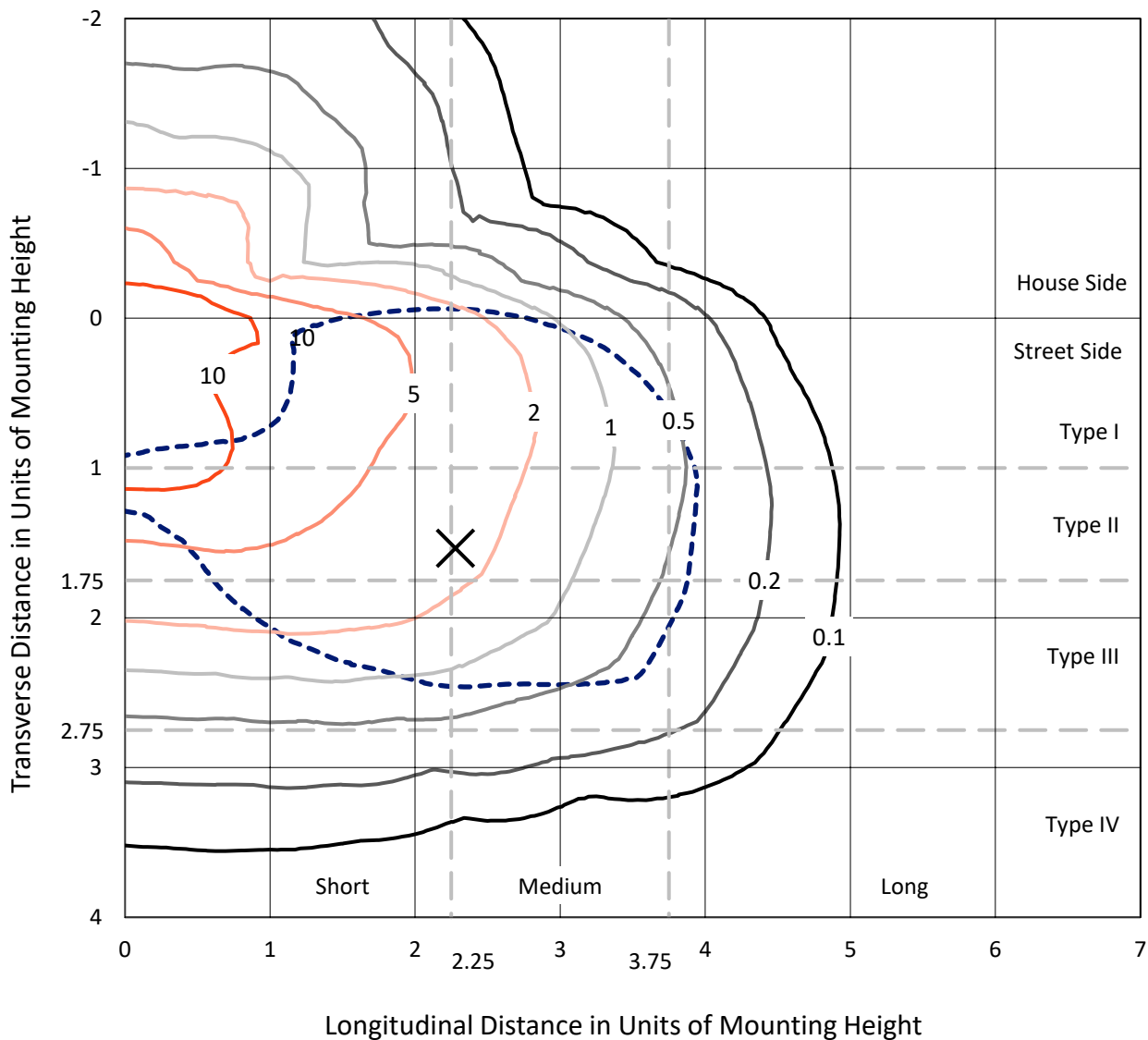
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

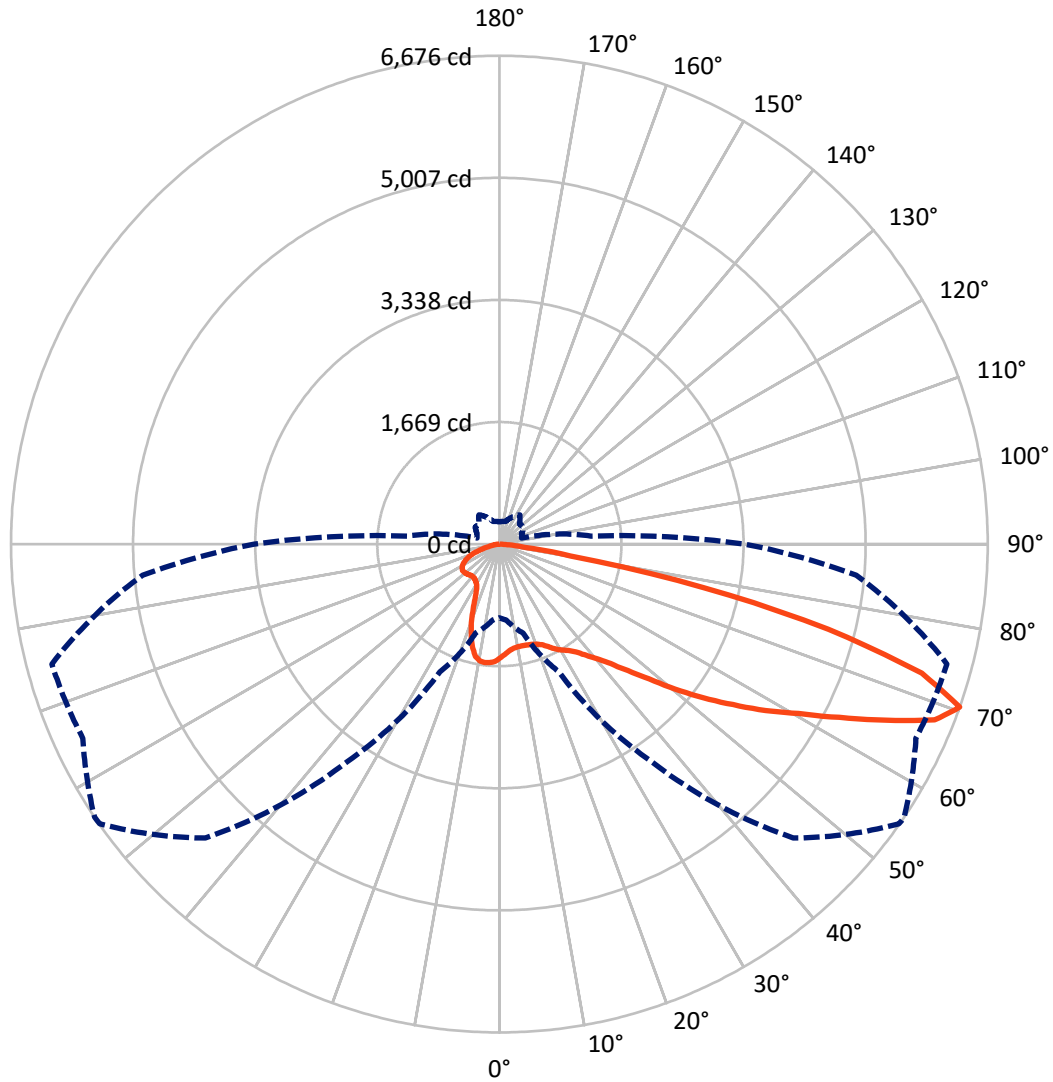
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.3	0.0	1850.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	7774.2	0.0	7774.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	9624.5	0.0	9624.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.8	1.5
10°-20°	389.5	4.0
20°-30°	644.0	6.7
30°-40°	962.9	10.0
40°-50°	1432.9	14.9
50°-60°	2037.1	21.2
60°-70°	2523.1	26.2
70°-80°	1393.1	14.5
80°-90°	98.1	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°	9624.5	100.0
0°-180°	9624.5	100.0

Coefficient of Utilization



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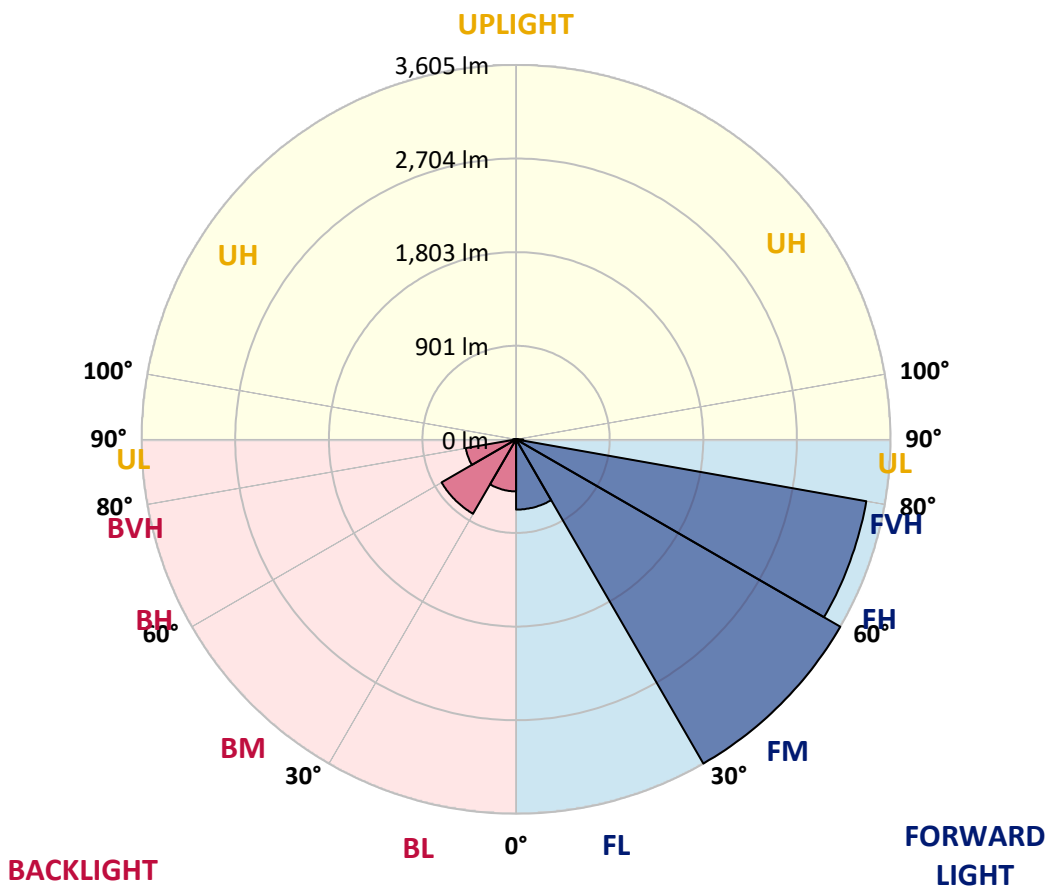
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.4	7.0			
FM (30°-60°)	3605.2	37.5			
FH (60°-80°)	3424.4	35.6			G2/5000
FVH (80°-90°)	68.2	0.7			G1/100
BL (0°-30°)	500.9	5.2	B2/1000		
BM (30°-60°)	827.7	8.6	B1/1000		
BH (60°-80°)	491.8	5.1	B1/500		G1/500
BVH (80°-90°)	29.9	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5
2.5°	1453.8	1445.6	1455.1	1459.9	1472.1	1489.7	1505.4	1506.0	1514.2	1533.9	1552.9
5°	1387.9	1383.9	1386.6	1400.8	1413.7	1436.1	1459.9	1461.9	1485.0	1523.7	1561.7
7.5°	1337.0	1331.6	1341.8	1360.1	1376.4	1401.5	1432.7	1435.4	1468.0	1526.4	1584.8
10°	1263.7	1259.7	1278.7	1303.1	1338.4	1379.8	1421.2	1424.6	1467.3	1544.0	1625.5
12.5°	1231.8	1231.8	1240.0	1263.1	1301.7	1356.7	1419.2	1424.6	1478.2	1571.2	1677.7
15°	1281.4	1284.8	1278.0	1276.6	1292.2	1344.5	1421.9	1430.0	1498.6	1599.0	1729.3
17.5°	1381.2	1384.5	1366.9	1339.1	1323.5	1356.0	1432.1	1440.9	1520.3	1629.6	1785.0
20°	1521.0	1525.0	1486.4	1443.6	1390.0	1389.3	1451.7	1459.9	1548.1	1662.8	1844.0
22.5°	1684.5	1687.2	1638.4	1570.5	1488.4	1451.1	1485.7	1493.8	1584.1	1709.0	1907.8
25°	1873.9	1882.0	1823.0	1724.6	1613.3	1535.9	1542.0	1551.5	1648.6	1770.7	1983.2
27.5°	2076.1	2086.3	2018.5	1909.9	1756.5	1629.6	1614.6	1622.8	1717.1	1808.7	2023.2
30°	2283.1	2290.6	2222.7	2098.5	1910.5	1735.4	1675.7	1680.5	1747.0	1827.1	2063.9
32.5°	2513.2	2507.1	2442.0	2298.8	2088.4	1862.4	1732.7	1731.4	1780.2	1863.7	2122.3
35°	2729.0	2737.9	2668.6	2510.5	2283.8	2019.1	1818.2	1812.8	1850.8	1923.4	2204.4
37.5°	2990.3	2987.6	2904.8	2733.8	2480.0	2169.1	1938.4	1928.9	1942.4	2016.4	2319.1
40°	3177.0	3196.0	3142.4	2982.9	2709.4	2353.7	2078.9	2057.8	2061.2	2131.1	2472.5
42.5°	3329.7	3347.3	3352.8	3251.0	2972.0	2581.8	2254.0	2232.9	2235.0	2334.0	2661.2
45°	3447.1	3470.9	3547.6	3517.7	3267.9	2845.1	2490.8	2469.1	2470.5	2580.4	2889.2
47.5°	3495.3	3521.1	3676.5	3747.8	3582.2	3160.0	2785.4	2753.5	2758.2	2879.7	3149.8
50°	3479.7	3514.3	3724.7	3924.9	3845.5	3480.4	3137.6	3115.2	3096.9	3273.4	3432.9
52.5°	3345.3	3383.3	3719.9	4037.6	4060.7	3783.1	3501.4	3488.5	3484.4	3691.4	3749.1
55°	2949.6	3013.4	3556.4	4067.4	4229.0	4068.1	3895.7	3874.0	3895.1	4139.4	4068.8
57.5°	2730.4	2777.9	3236.0	4034.2	4366.8	4339.6	4289.4	4291.4	4315.2	4626.0	4456.3
60°	2605.5	2661.2	3058.2	3943.2	4499.1	4669.5	4701.3	4701.3	4744.1	5150.6	4850.0
62.5°	2439.9	2496.3	2891.9	3768.1	4621.3	5057.7	5219.2	5217.2	5234.1	5713.3	5234.8
65°	2104.0	2156.2	2558.0	3491.9	4681.0	5485.2	5807.6	5801.5	5767.6	6214.2	5489.3
67.5°	1527.8	1577.3	1959.4	2966.6	4465.8	5830.0	6413.7	6416.4	6213.5	6529.8	5502.9
70°	1007.2	1041.1	1259.7	1926.8	3631.7	5681.4	6667.5	6675.7	6282.0	6332.9	4897.5
72.5°	628.5	652.2	786.6	1149.0	2146.0	4497.1	6016.0	6038.4	5651.5	5565.3	4024.0
75°	417.4	433.7	523.3	669.9	992.9	2433.8	4573.1	4645.0	4529.6	4362.7	2803.7
77.5°	251.1	264.7	333.2	425.5	439.8	950.9	2669.3	2855.3	2871.6	2277.7	1174.1
80°	114.7	130.3	183.9	243.0	234.2	331.2	941.4	984.8	1161.9	723.5	370.6
82.5°	67.9	74.7	122.2	120.8	99.8	160.9	338.7	347.5	295.2	264.7	158.1
85°	27.1	31.9	51.6	45.5	36.6	52.3	127.6	133.7	128.3	115.4	58.4
87.5°	0.0	0.0	0.0	0.0	0.7	1.4	11.5	12.2	17.6	31.9	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5
2.5°	1565.1	1561.0	1581.4	1597.0	1603.8	1610.6	1604.4	1602.4	1602.4	1588.8	1582.0
5°	1582.0	1584.1	1611.9	1624.8	1624.8	1619.4	1603.1	1591.5	1587.5	1569.8	1565.1
7.5°	1613.9	1622.8	1648.6	1647.9	1628.9	1599.0	1558.3	1527.1	1498.6	1486.4	1478.9
10°	1666.2	1677.7	1695.4	1666.9	1613.9	1535.2	1449.0	1381.2	1340.4	1307.9	1307.9
12.5°	1725.9	1736.8	1733.4	1667.6	1558.3	1411.0	1286.8	1208.8	1151.8	1121.9	1121.9
15°	1785.7	1794.5	1757.8	1636.3	1442.2	1246.1	1110.4	1016.7	967.1	939.3	939.3
17.5°	1846.1	1845.4	1768.0	1564.4	1290.9	1063.5	930.5	857.9	840.9	836.2	835.5
20°	1904.4	1888.8	1755.1	1444.3	1115.1	879.6	795.4	800.2	825.3	836.2	837.5
22.5°	1970.3	1931.6	1717.1	1290.9	915.6	752.0	757.4	796.8	833.4	849.7	851.8
25°	2037.5	1968.2	1653.3	1111.0	748.6	705.2	747.2	791.4	832.8	853.8	855.8
27.5°	2064.6	1968.2	1544.7	902.7	659.7	685.5	731.6	774.4	817.8	842.3	847.0
30°	2087.0	1951.3	1392.7	714.7	623.0	666.5	706.5	745.9	788.6	818.5	823.9
32.5°	2118.2	1936.3	1208.8	600.6	606.1	648.2	676.0	709.2	747.9	767.6	765.6
35°	2154.9	1913.3	986.8	546.4	591.8	632.5	652.2	671.9	654.3	653.6	655.6
37.5°	2207.1	1892.9	793.4	521.9	582.3	621.7	638.0	595.9	571.5	561.3	557.2
40°	2282.5	1884.7	625.8	507.7	581.0	621.0	609.5	544.3	511.1	475.8	475.1
42.5°	2377.5	1878.6	517.2	500.9	585.7	636.6	570.1	510.4	441.8	426.2	424.9
45°	2499.6	1869.1	462.9	499.5	597.3	648.8	566.0	463.6	416.7	409.9	409.9
47.5°	2646.9	1854.2	438.4	499.5	610.2	643.4	553.8	453.4	405.2	412.6	417.4
50°	2815.9	1835.2	425.5	498.2	623.0	643.4	528.0	451.3	402.5	441.2	456.8
52.5°	2996.5	1813.5	416.7	492.7	631.9	644.1	529.4	458.1	405.2	447.9	460.8
55°	3196.0	1810.1	404.5	481.2	634.6	626.4	532.8	473.1	409.3	405.9	406.5
57.5°	3447.8	1850.8	395.7	464.2	623.7	590.5	539.6	483.9	404.5	405.2	409.9
60°	3711.1	1927.5	403.1	447.9	601.3	556.5	544.3	478.5	381.4	370.6	371.9
62.5°	3935.1	1985.9	409.3	440.5	568.7	526.7	539.6	466.3	368.5	365.8	371.9
65°	4028.8	1937.7	394.3	424.9	521.2	490.0	529.4	450.7	357.7	347.5	348.2
67.5°	3924.9	1711.7	365.1	390.3	467.6	443.2	513.1	430.3	342.7	330.5	327.8
70°	3352.8	1257.6	314.9	335.3	402.5	388.2	488.0	403.8	319.0	310.2	304.1
72.5°	2701.9	890.5	261.3	266.7	315.6	327.1	444.5	370.6	291.8	266.7	257.9
75°	1880.7	559.2	217.9	212.4	228.0	249.8	346.8	307.5	251.8	225.3	217.2
77.5°	809.0	287.1	170.4	167.6	152.0	173.1	266.1	256.5	211.1	180.5	175.8
80°	270.8	166.3	122.8	118.1	101.1	121.5	187.3	205.0	165.6	133.7	125.6
82.5°	135.7	96.4	78.1	70.6	67.9	76.7	110.6	127.6	114.7	92.3	78.1
85°	66.5	55.0	42.8	42.1	35.3	33.3	46.2	54.3	51.6	38.0	36.0
87.5°	24.4	21.7	13.6	10.9	6.8	4.8	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)