

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: P633088

Luminaire Tested: GWS-SA2E-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10322 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

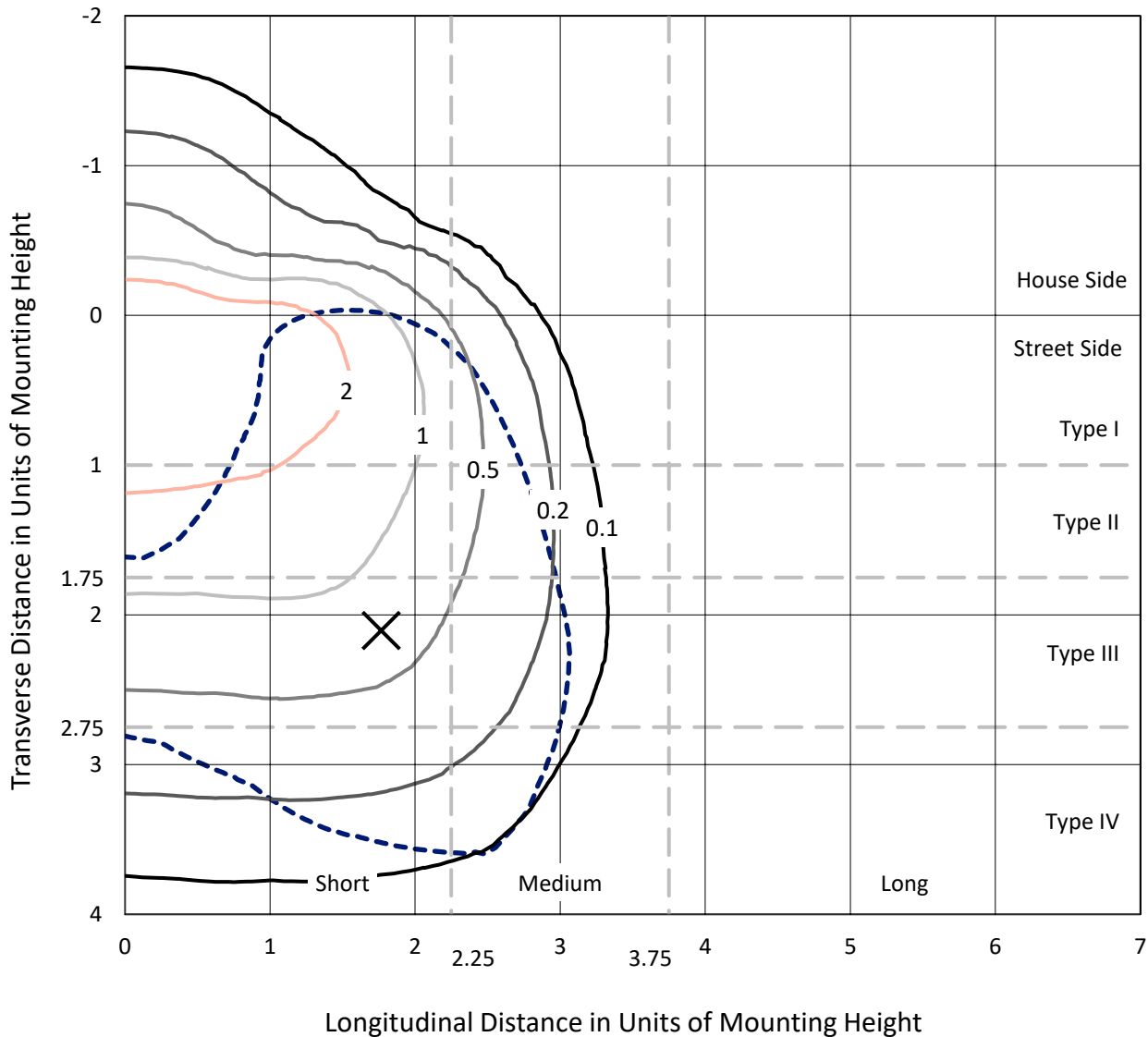
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633088
 CATALOG NUMBER: GWS-SA2E-722-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

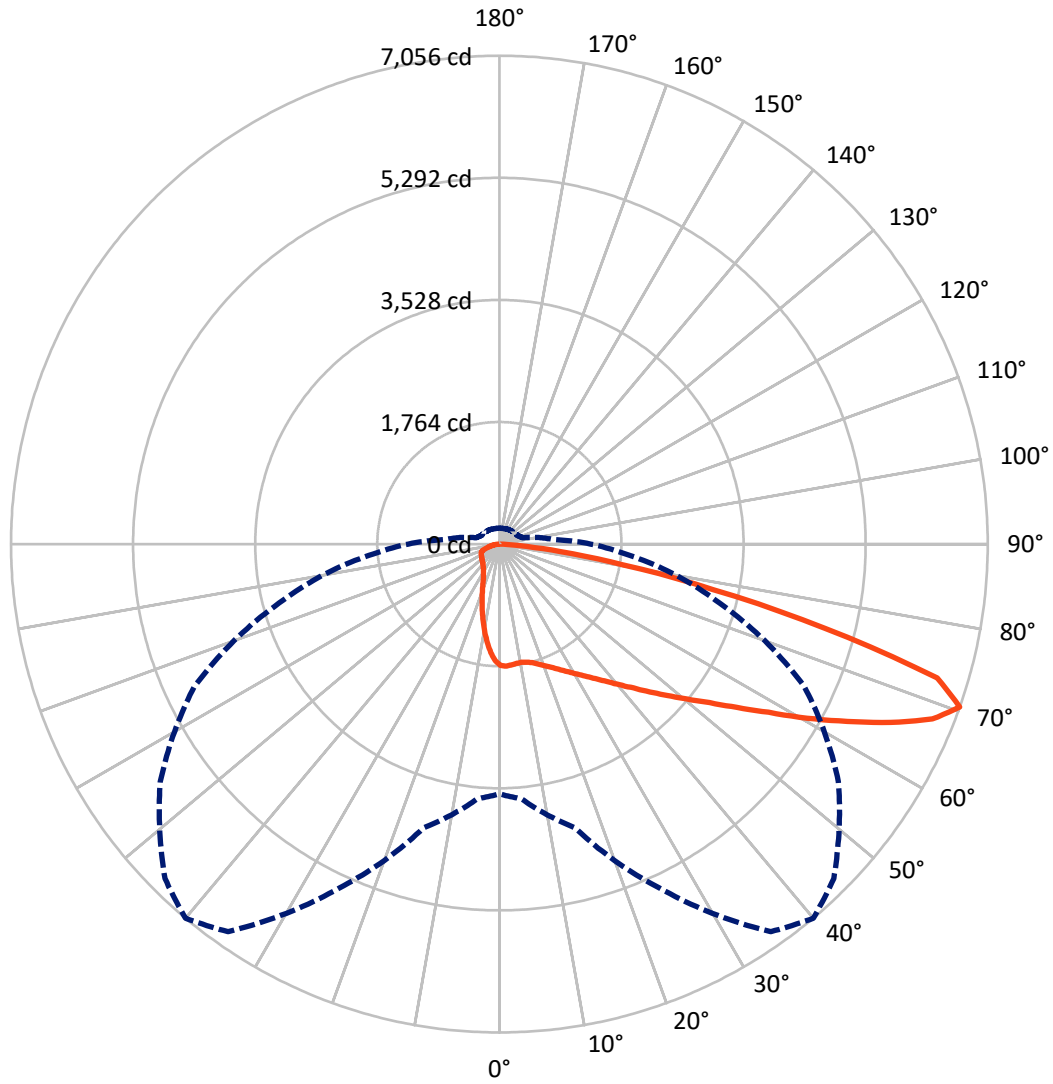
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P633088
CATALOG NUMBER: GWS-SA2E-722-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P633088

CATALOG NUMBER: GWS-SA2E-722-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1589.9	0.0	1589.9
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	8732.2	0.0	8732.2
	% Fixture	84.6	0.0	84.6
Total	Lumens	10322.0	0.0	10322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	1.5
10°-20°	403.6	3.9
20°-30°	633.8	6.1
30°-40°	952.9	9.2
40°-50°	1470.8	14.2
50°-60°	2184.2	21.2
60°-70°	2753.1	26.7
70°-80°	1592.1	15.4
80°-90°	176.7	1.7
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°	10322.0	100.0
0°-180°	10322.0	100.0

Coefficient of Utilization



REPORT NUMBER: P633088

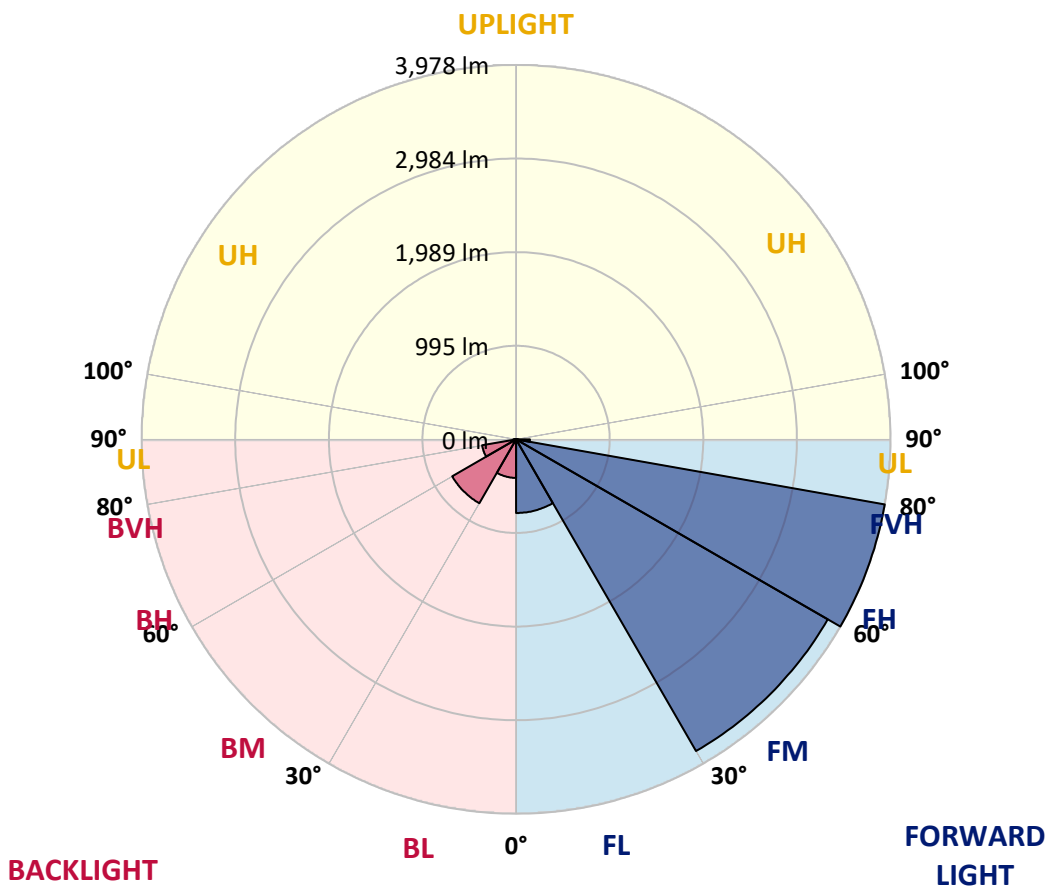
CATALOG NUMBER: GWS-SA2E-722-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	782.5	7.6			
FM (30°-60°)	3824.2	37.0			
FH (60°-80°)	3978.3	38.5			G2/5000
FVH (80°-90°)	147.2	1.4			G2/225
BL (0°-30°)	409.7	4.0	B1/500		
BM (30°-60°)	783.7	7.6	B1/1000		
BH (60°-80°)	366.9	3.6	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 IV Short





REPORT NUMBER: P633088
 CATALOG NUMBER: GWS-SA2E-722-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8
2.5°	1763.6	1766.7	1769.0	1772.1	1770.5	1765.9	1769.7	1769.7	1761.3	1752.0	1743.5
5°	1765.9	1769.7	1769.0	1768.2	1762.0	1754.3	1754.3	1749.7	1735.1	1720.4	1706.6
7.5°	1761.3	1760.5	1759.7	1757.4	1750.5	1742.0	1740.5	1731.2	1712.0	1691.9	1671.9
10°	1740.5	1739.7	1742.0	1747.4	1745.9	1738.2	1738.2	1729.7	1707.3	1682.7	1656.5
12.5°	1723.5	1723.5	1732.8	1747.4	1752.8	1749.7	1750.5	1744.3	1718.9	1689.6	1658.8
15°	1725.8	1726.6	1746.6	1770.5	1780.5	1778.2	1779.0	1772.1	1743.5	1714.3	1672.7
17.5°	1741.2	1745.1	1779.8	1812.9	1826.0	1822.9	1817.5	1806.0	1773.6	1740.5	1689.6
20°	1773.6	1779.8	1824.4	1866.1	1881.5	1874.5	1865.3	1842.2	1806.7	1770.5	1708.1
22.5°	1837.5	1841.4	1890.7	1931.5	1943.9	1935.4	1916.9	1883.8	1842.9	1805.2	1730.5
25°	1927.7	1932.3	1979.3	2017.1	2014.0	2004.0	1978.5	1937.7	1889.2	1849.1	1762.8
27.5°	2034.8	2042.5	2088.7	2118.8	2098.7	2084.1	2055.6	2006.3	1951.6	1915.4	1812.1
30°	2151.9	2155.0	2194.3	2224.3	2193.5	2173.5	2138.8	2085.6	2036.3	2009.4	1886.1
32.5°	2265.1	2268.2	2302.1	2319.1	2286.7	2272.1	2242.0	2185.8	2151.1	2136.5	1996.3
35°	2384.6	2383.8	2411.5	2426.2	2393.0	2386.9	2356.1	2312.9	2306.8	2326.0	2157.3
37.5°	2504.0	2497.1	2511.7	2531.0	2512.5	2518.6	2498.6	2484.0	2507.8	2557.9	2371.5
40°	2599.5	2599.5	2614.9	2638.8	2645.0	2672.0	2660.4	2679.7	2756.7	2876.1	2636.5
42.5°	2684.3	2685.0	2717.4	2754.4	2799.1	2840.7	2849.9	2900.0	3059.5	3246.7	2969.3
45°	2772.9	2773.7	2817.6	2871.5	2966.3	3045.6	3064.1	3176.6	3404.7	3632.7	3330.7
47.5°	2875.4	2866.9	2927.7	3017.9	3152.7	3266.7	3314.5	3474.0	3762.2	4042.6	3671.2
50°	2990.9	2973.2	3041.0	3196.6	3363.1	3519.5	3599.6	3782.2	4145.8	4420.9	3991.7
52.5°	3121.1	3111.1	3182.0	3371.5	3625.8	3806.1	3914.7	4154.3	4518.7	4797.6	4246.0
55°	3282.9	3259.0	3361.5	3602.7	3934.0	4163.6	4292.2	4522.6	4926.3	5139.7	4440.2
57.5°	3460.1	3433.9	3571.1	3891.6	4334.6	4586.5	4747.6	4937.1	5310.0	5401.7	4554.2
60°	3651.2	3642.7	3805.3	4230.6	4812.3	5105.1	5221.4	5393.2	5643.6	5553.5	4525.7
62.5°	3826.1	3823.0	4059.5	4598.1	5318.5	5640.5	5733.0	5778.4	5884.0	5543.5	4299.2
65°	4010.2	4036.4	4356.2	5024.2	5898.6	6214.5	6253.0	6137.5	5964.9	5280.7	3835.3
67.5°	4033.4	4084.2	4542.6	5423.3	6448.7	6746.9	6716.1	6273.8	5726.1	4549.6	3006.3
70°	3607.3	3695.9	4245.2	5484.1	6836.3	7055.9	6833.2	5980.3	4859.3	3296.0	1890.7
72.5°	3014.0	3090.3	3575.7	4676.7	6336.3	6615.9	6314.7	5061.9	3433.9	1890.7	963.1
75°	2346.0	2434.7	2882.3	3717.5	4743.7	4855.4	4704.4	3530.2	1887.6	779.7	437.6
77.5°	1431.5	1495.5	1843.7	2518.6	3319.1	3151.9	2671.2	1979.3	828.2	373.7	270.4
80°	633.3	672.6	908.4	1352.9	1917.7	1812.9	1429.2	845.2	453.0	237.3	188.8
82.5°	339.8	365.2	447.6	535.5	842.1	880.6	714.2	486.9	243.5	135.6	107.9
85°	149.5	164.1	203.4	194.2	276.6	272.0	274.3	334.4	116.3	62.4	70.1
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	8.5	44.7	11.6	18.5	16.2
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: P633088
 CATALOG NUMBER: GWS-SA2E-722-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8	1752.8
2.5°	1734.3	1720.4	1716.6	1712.0	1703.5	1688.8	1678.1	1665.7	1660.3	1654.2	1654.9
5°	1691.2	1674.2	1658.0	1637.2	1611.0	1581.8	1561.7	1538.6	1526.3	1514.7	1517.8
7.5°	1654.2	1628.0	1594.8	1550.9	1503.9	1451.5	1409.2	1376.0	1353.7	1338.3	1346.0
10°	1631.1	1600.2	1542.5	1470.8	1391.4	1311.3	1250.5	1193.4	1158.0	1130.3	1128.7
12.5°	1626.4	1586.4	1502.4	1398.4	1283.6	1176.5	1087.1	1010.1	963.1	928.4	941.5
15°	1631.1	1580.2	1467.7	1331.4	1186.5	1041.7	930.7	842.1	785.9	754.3	752.0
17.5°	1636.5	1574.0	1428.4	1258.9	1084.8	919.2	790.5	696.5	638.7	607.1	607.9
20°	1641.1	1564.8	1382.2	1179.6	981.6	805.1	671.8	582.5	530.8	507.7	511.6
22.5°	1648.8	1555.6	1332.9	1094.8	876.0	695.0	577.8	505.4	474.6	459.2	460.0
25°	1663.4	1550.2	1282.0	1002.4	772.0	607.1	513.1	464.6	445.3	436.1	435.3
27.5°	1693.5	1554.8	1228.9	913.0	678.0	540.1	471.5	439.9	426.8	420.7	419.9
30°	1743.5	1573.3	1182.7	822.1	597.1	487.7	443.0	423.8	416.0	410.7	409.9
32.5°	1819.8	1607.9	1132.6	737.3	531.6	449.2	420.7	410.7	405.3	402.2	402.2
35°	1935.4	1671.1	1083.3	663.4	480.8	419.1	402.9	399.1	394.5	392.9	394.5
37.5°	2101.8	1772.1	1038.6	598.6	444.6	396.0	383.7	385.2	381.4	383.7	386.0
40°	2312.9	1906.9	1000.8	545.5	417.6	379.1	366.7	372.1	369.8	372.1	376.0
42.5°	2580.3	2074.1	972.3	503.9	398.3	365.2	353.6	359.0	357.5	360.6	364.4
45°	2878.4	2294.4	959.2	474.6	384.5	355.2	342.9	346.7	345.2	347.5	351.3
47.5°	3164.3	2494.7	970.8	457.7	372.9	346.7	333.6	335.1	334.4	333.6	335.9
50°	3410.8	2654.2	1003.9	452.3	365.2	338.2	325.9	326.7	324.4	319.7	321.3
52.5°	3611.9	2782.1	1023.9	452.3	361.3	329.0	317.4	318.2	313.6	307.4	308.2
55°	3744.4	2833.7	1007.8	451.5	359.8	321.3	309.0	309.7	305.1	297.4	298.2
57.5°	3782.2	2783.7	940.0	443.0	358.3	315.1	300.5	302.0	298.9	290.5	290.5
60°	3676.6	2600.3	815.9	423.8	354.4	311.3	294.3	296.6	295.1	286.6	286.6
62.5°	3400.0	2274.4	668.0	394.5	343.6	306.6	288.9	293.5	297.4	292.8	292.0
65°	2882.3	1822.1	543.2	362.1	329.8	298.9	281.2	292.8	301.2	307.4	307.4
67.5°	2162.7	1304.4	443.0	328.2	309.0	283.5	271.2	282.0	288.2	292.0	294.3
70°	1318.3	767.4	349.0	288.9	278.9	260.4	251.2	240.4	231.9	230.4	231.1
72.5°	644.9	439.2	283.5	245.8	238.1	221.1	200.3	195.7	191.8	189.5	188.8
75°	355.2	305.9	234.2	204.2	190.3	169.5	164.9	157.2	155.6	152.6	153.3
77.5°	251.2	241.2	193.4	165.6	144.8	134.1	136.4	131.0	131.0	128.7	127.9
80°	188.8	189.5	148.7	121.0	107.1	103.2	105.6	105.6	104.0	103.2	102.5
82.5°	119.4	134.8	100.2	77.8	76.3	77.0	76.3	75.5	77.0	74.7	74.0
85°	82.4	97.1	60.9	46.2	46.2	45.5	47.0	46.2	47.8	45.5	45.5
87.5°	18.5	43.1	22.3	13.9	14.6	13.9	14.6	15.4	17.0	17.7	17.7
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)