

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: P632447

Luminaire Tested: GWS-SA2C-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7969.7 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

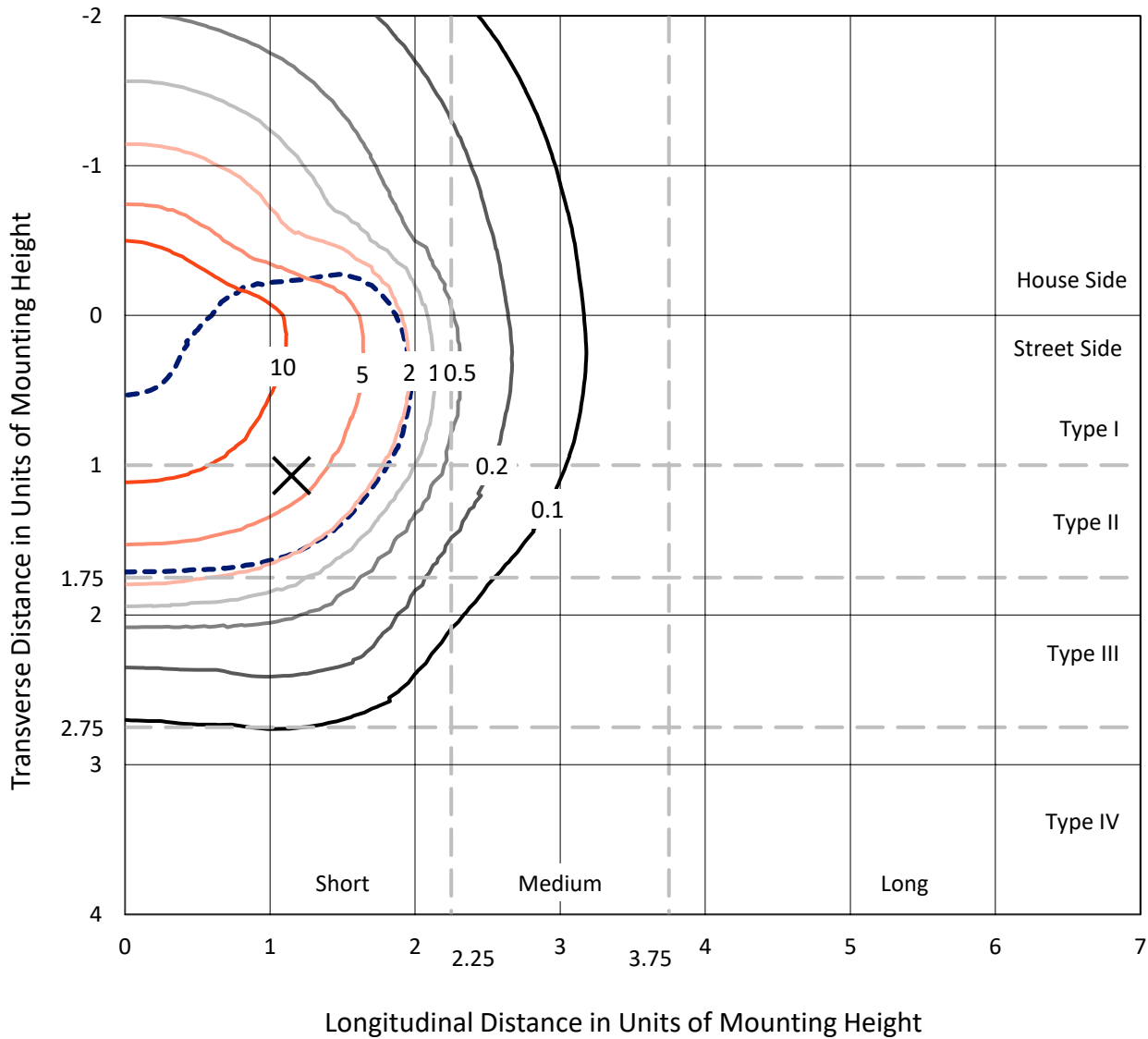
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

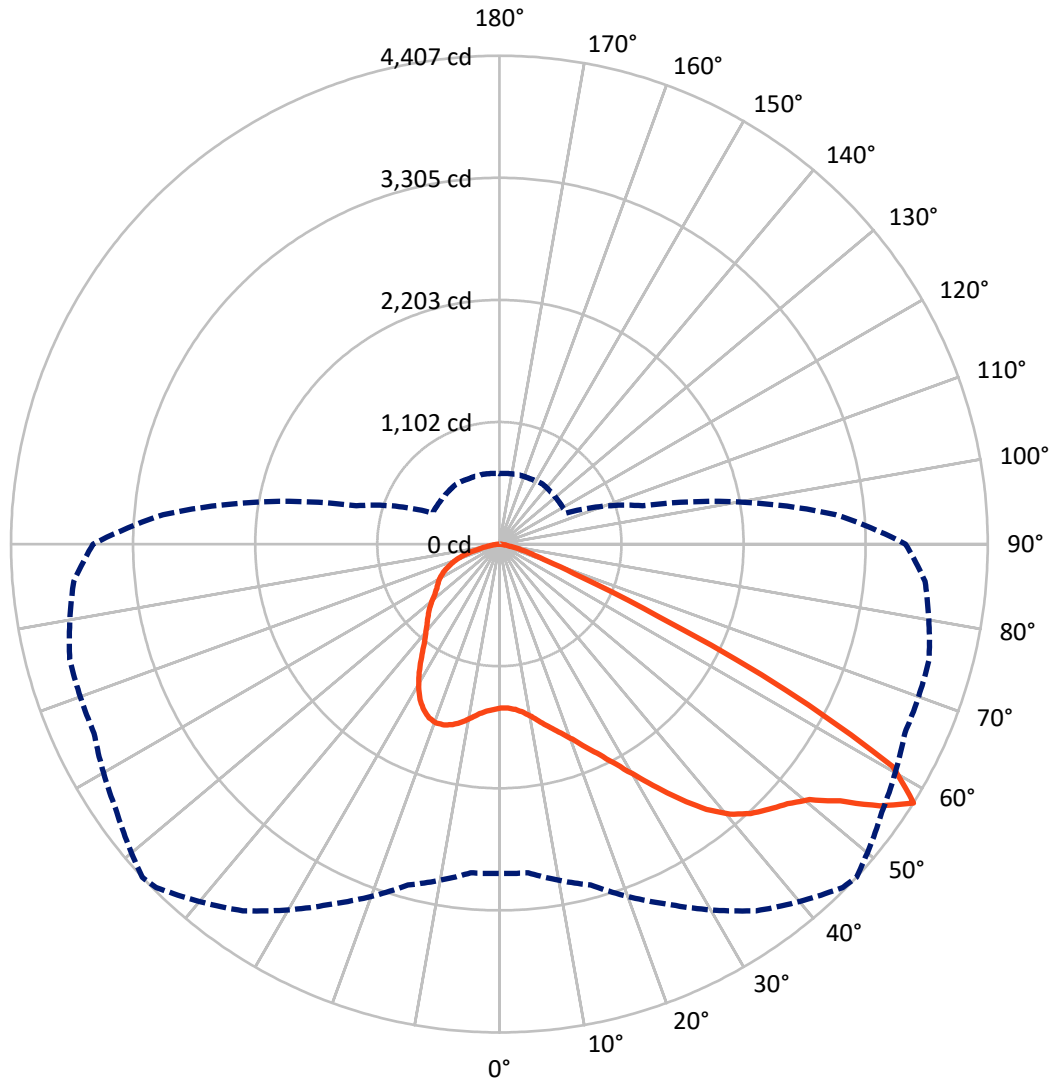
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2522.4	0.0	2522.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	5447.3	0.0	5447.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	7969.7	0.0	7969.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	1.8
10°-20°	479.5	6.0
20°-30°	863.3	10.8
30°-40°	1304.0	16.4
40°-50°	1755.9	22.0
50°-60°	2110.0	26.5
60°-70°	1027.6	12.9
70°-80°	253.2	3.2
80°-90°	30.4	0.4
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°	7969.7	100.0
0°-180°	7969.7	100.0

Coefficient of Utilization



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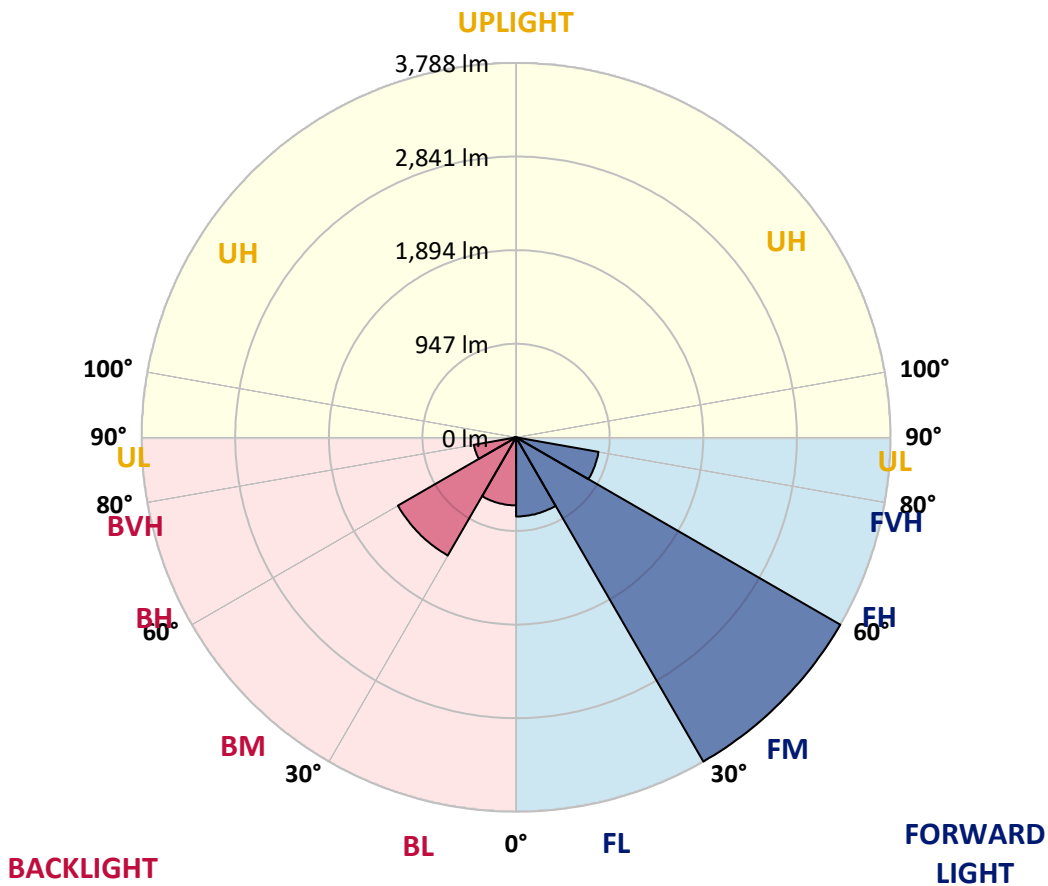
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	800.5	10.0			
FM (30°-60°)	3788.4	47.5			
FH (60°-80°)	846.9	10.6			G1/1800
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	688.1	8.6	B2/1000		
BM (30°-60°)	1381.5	17.3	B2/2500		
BH (60°-80°)	433.8	5.4	B1/500		G1/500
BVH (80°-90°)	19.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0
2.5°	1475.3	1474.6	1474.6	1478.7	1478.7	1480.0	1482.0	1484.0	1484.7	1481.3	1474.0
5°	1491.4	1491.4	1491.4	1494.7	1494.7	1496.1	1498.7	1499.4	1498.7	1493.4	1486.0
7.5°	1516.8	1516.8	1517.5	1521.5	1524.8	1526.9	1531.5	1530.9	1528.9	1520.2	1510.8
10°	1558.3	1560.3	1562.3	1567.0	1573.7	1578.4	1581.7	1581.7	1579.1	1565.7	1553.6
12.5°	1617.2	1619.9	1621.9	1625.9	1631.3	1639.3	1646.7	1646.7	1643.3	1626.6	1608.5
15°	1686.2	1688.8	1688.2	1689.5	1699.6	1710.9	1717.0	1721.0	1722.3	1698.9	1670.8
17.5°	1765.2	1767.8	1765.2	1761.1	1762.5	1780.6	1791.3	1806.0	1814.7	1783.2	1738.4
20°	1836.8	1834.1	1834.1	1836.8	1840.8	1862.9	1879.0	1903.0	1913.8	1875.6	1806.0
22.5°	1912.4	1918.4	1915.8	1915.8	1931.8	1968.6	1988.1	2019.5	2030.9	1981.4	1887.7
25°	2010.1	2015.5	2014.2	2015.5	2034.2	2086.5	2105.9	2164.1	2175.5	2104.5	1978.0
27.5°	2117.3	2126.0	2130.0	2128.6	2158.8	2227.0	2251.1	2332.1	2352.9	2242.4	2074.4
30°	2256.5	2265.9	2269.2	2267.9	2303.3	2396.4	2423.8	2516.2	2545.7	2405.8	2196.9
32.5°	2417.8	2427.2	2437.2	2441.2	2486.7	2581.8	2621.3	2717.0	2759.2	2594.5	2344.8
35°	2577.8	2585.8	2605.2	2636.7	2698.9	2796.0	2830.8	2925.2	2966.0	2790.6	2523.6
37.5°	2754.5	2759.9	2776.6	2820.1	2909.8	3002.2	3037.0	3127.3	3132.0	2980.1	2725.7
40°	2948.0	2948.0	2944.6	2987.4	3081.2	3174.2	3204.3	3256.5	3229.1	3126.0	2922.5
42.5°	3112.0	3109.3	3112.0	3152.1	3221.7	3297.4	3323.5	3313.4	3278.6	3237.8	3100.6
45°	3259.9	3261.9	3286.0	3316.8	3352.9	3397.8	3413.2	3356.3	3324.8	3327.5	3243.1
47.5°	3360.3	3362.3	3418.5	3470.1	3492.2	3506.2	3499.5	3420.5	3404.5	3434.6	3352.9
50°	3373.7	3384.4	3481.4	3587.2	3642.1	3644.1	3625.4	3529.0	3524.3	3558.4	3411.8
52.5°	3376.4	3387.1	3508.2	3699.0	3841.6	3871.7	3850.3	3749.9	3701.0	3666.9	3484.1
55°	3366.3	3378.4	3512.2	3774.0	4047.1	4167.6	4169.6	4027.7	3871.7	3848.9	3690.3
57.5°	2972.0	2976.7	3184.2	3583.2	4039.0	4380.4	4406.5	4213.8	4035.7	4014.3	3855.6
60°	2070.4	2089.1	2314.7	2841.5	3393.1	3994.9	4079.2	4023.0	3903.8	3747.9	3308.1
62.5°	1036.9	1052.9	1279.2	1777.2	2340.2	2815.4	2905.8	2965.4	2993.5	2826.1	2252.5
65°	446.5	458.5	599.1	928.4	1324.7	1554.3	1585.8	1657.4	1832.8	1635.3	1213.6
67.5°	298.5	306.6	378.2	566.3	780.5	795.2	790.5	805.9	844.1	696.8	548.2
70°	228.9	235.6	283.8	415.0	560.9	479.9	454.5	412.3	447.8	456.5	444.5
72.5°	166.0	171.4	207.5	283.1	351.4	306.6	302.6	324.0	372.2	385.6	378.2
75°	107.1	109.8	131.9	155.3	181.4	196.8	204.8	243.7	292.5	302.6	293.9
77.5°	71.6	73.6	86.4	99.7	103.1	103.8	106.4	123.8	157.3	176.0	174.0
80°	37.5	37.5	42.2	42.2	48.2	57.6	60.2	71.6	87.0	96.4	97.1
82.5°	14.7	15.4	18.1	20.1	24.1	29.5	31.5	37.5	45.5	52.2	58.2
85°	6.0	6.7	7.4	8.7	10.7	13.4	14.1	16.1	21.4	26.8	30.1
87.5°	0.0	0.0	0.7	0.7	1.3	2.0	2.0	2.7	3.3	6.0	8.0
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°	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0	1478.0
2.5°	1482.7	1474.0	1482.7	1485.4	1492.7	1495.4	1490.7	1490.0	1490.0	1483.3	1481.3
5°	1492.7	1484.7	1493.4	1497.4	1508.1	1514.8	1516.1	1521.5	1524.8	1522.2	1521.5
7.5°	1517.5	1507.4	1516.8	1522.8	1536.9	1547.6	1552.3	1564.3	1573.0	1571.7	1571.0
10°	1561.0	1547.6	1558.3	1568.4	1583.8	1596.5	1597.1	1603.8	1612.5	1609.9	1608.5
12.5°	1611.2	1598.5	1610.5	1620.6	1638.6	1644.0	1635.3	1632.6	1634.0	1630.6	1627.9
15°	1672.8	1654.7	1665.4	1676.8	1686.8	1680.8	1662.1	1654.7	1654.0	1649.4	1646.7
17.5°	1734.4	1711.6	1719.6	1725.7	1721.0	1702.2	1678.8	1666.1	1660.1	1650.7	1648.0
20°	1795.3	1766.5	1765.2	1760.5	1739.1	1704.9	1673.5	1648.0	1632.6	1619.9	1615.2
22.5°	1864.9	1824.7	1804.7	1783.2	1736.4	1680.8	1633.3	1597.1	1572.4	1556.3	1551.0
25°	1939.9	1883.0	1841.5	1798.6	1709.6	1629.3	1563.0	1513.5	1484.0	1466.6	1460.6
27.5°	2014.2	1935.8	1873.6	1800.6	1656.0	1555.0	1465.9	1399.0	1369.6	1355.5	1350.8
30°	2114.6	2006.1	1911.8	1774.5	1585.8	1451.9	1340.8	1273.2	1253.7	1243.7	1239.7
32.5°	2230.4	2095.2	1962.6	1719.6	1496.1	1331.4	1214.3	1167.4	1154.0	1134.6	1133.9
35°	2383.0	2222.3	2010.8	1638.6	1382.9	1202.2	1117.2	1083.7	1059.6	1028.8	1026.2
37.5°	2561.1	2381.0	2036.9	1535.6	1251.1	1095.8	1044.9	1007.4	968.6	927.8	922.4
40°	2745.1	2566.4	2038.9	1413.7	1121.9	1025.5	982.7	933.8	885.6	840.1	834.0
42.5°	2938.6	2739.1	2003.5	1273.2	1016.1	964.6	921.1	859.5	805.3	774.5	771.1
45°	3111.3	2878.3	1923.1	1125.2	937.8	913.7	858.1	791.9	763.1	741.0	736.3
47.5°	3247.2	2970.7	1814.7	992.7	874.2	861.5	789.2	755.1	733.0	712.9	708.2
50°	3314.1	2991.5	1673.5	884.9	815.3	799.9	750.4	724.3	709.5	693.5	689.5
52.5°	3397.1	3014.9	1551.6	794.6	757.7	737.0	718.2	697.5	686.8	676.7	673.4
55°	3587.9	3103.2	1487.4	722.3	702.8	693.5	690.8	673.4	670.0	663.4	657.3
57.5°	3665.5	3046.4	1335.4	663.4	659.3	660.7	667.4	651.3	648.0	639.9	635.9
60°	2948.0	2302.7	904.3	612.5	623.2	631.9	638.6	622.5	617.8	616.5	611.1
62.5°	1889.0	1416.4	631.2	565.0	581.0	591.7	595.7	580.4	577.0	587.7	588.4
65°	983.3	771.8	512.1	514.1	527.5	543.5	551.6	546.2	544.9	556.3	556.9
67.5°	502.0	471.9	446.5	453.8	464.6	485.3	504.0	527.5	535.5	536.8	537.5
70°	427.7	414.3	401.6	406.3	417.7	429.1	447.1	458.5	445.1	441.8	440.5
72.5°	364.1	354.1	348.1	353.4	359.5	357.4	352.1	357.4	359.5	360.1	360.8
75°	283.1	275.8	271.1	271.8	271.8	264.4	254.4	248.3	241.6	236.3	236.3
77.5°	173.4	174.7	179.4	178.7	178.1	175.4	165.3	160.0	143.9	139.2	139.2
80°	99.1	101.1	105.8	107.1	107.1	103.8	93.7	87.7	80.3	77.0	76.3
82.5°	60.2	62.9	65.6	66.9	67.6	63.6	54.9	50.2	46.2	42.8	42.8
85°	31.5	32.8	35.5	36.1	34.1	30.1	25.4	23.4	19.4	18.7	18.7
87.5°	8.7	9.4	10.7	8.7	8.0	6.0	3.3	2.7	1.3	0.7	0.7
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)