

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: P634598

Luminaire Tested: GWS-SA3C-722-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634598
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-SA3C-722-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10445.7 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

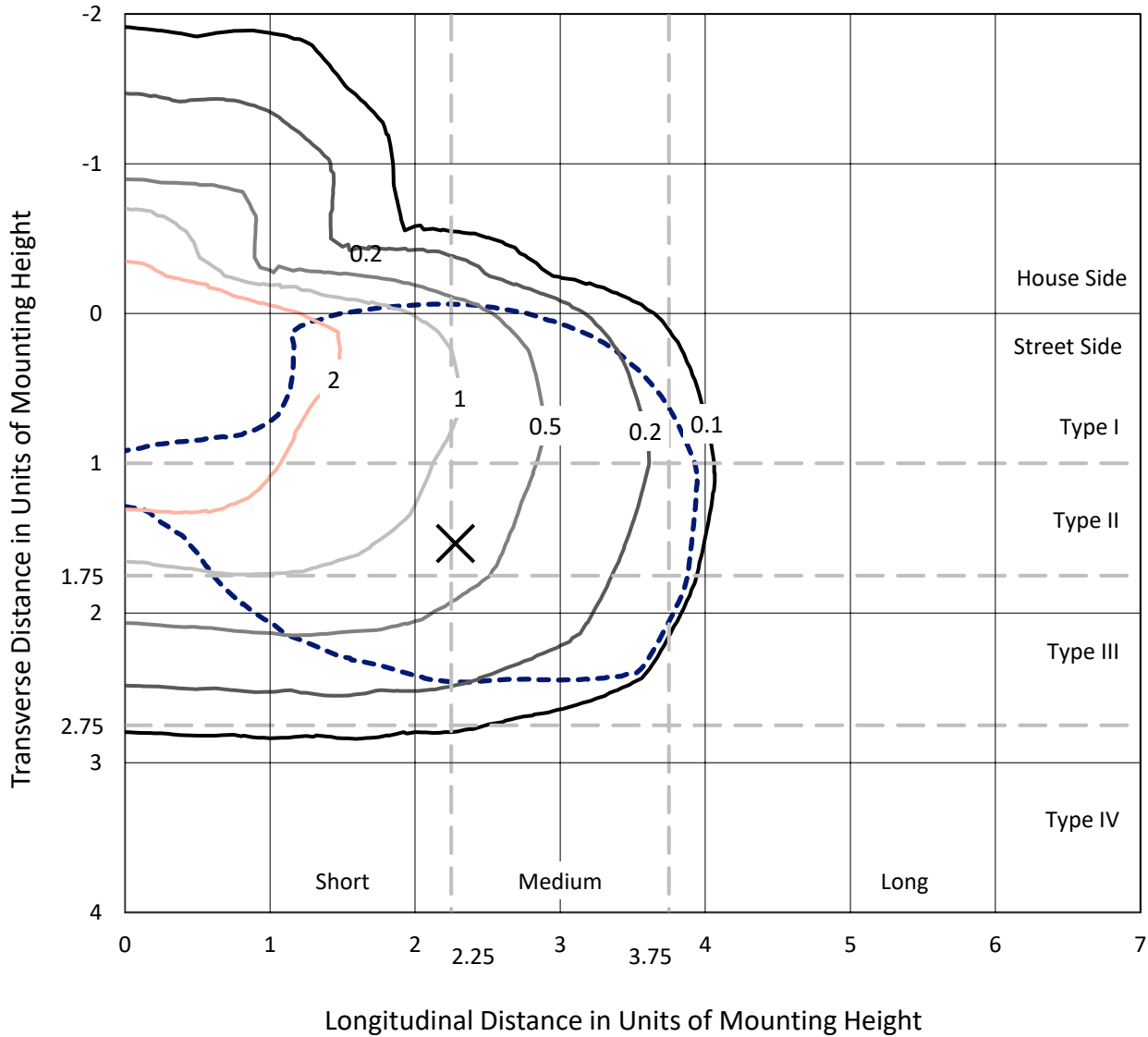
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

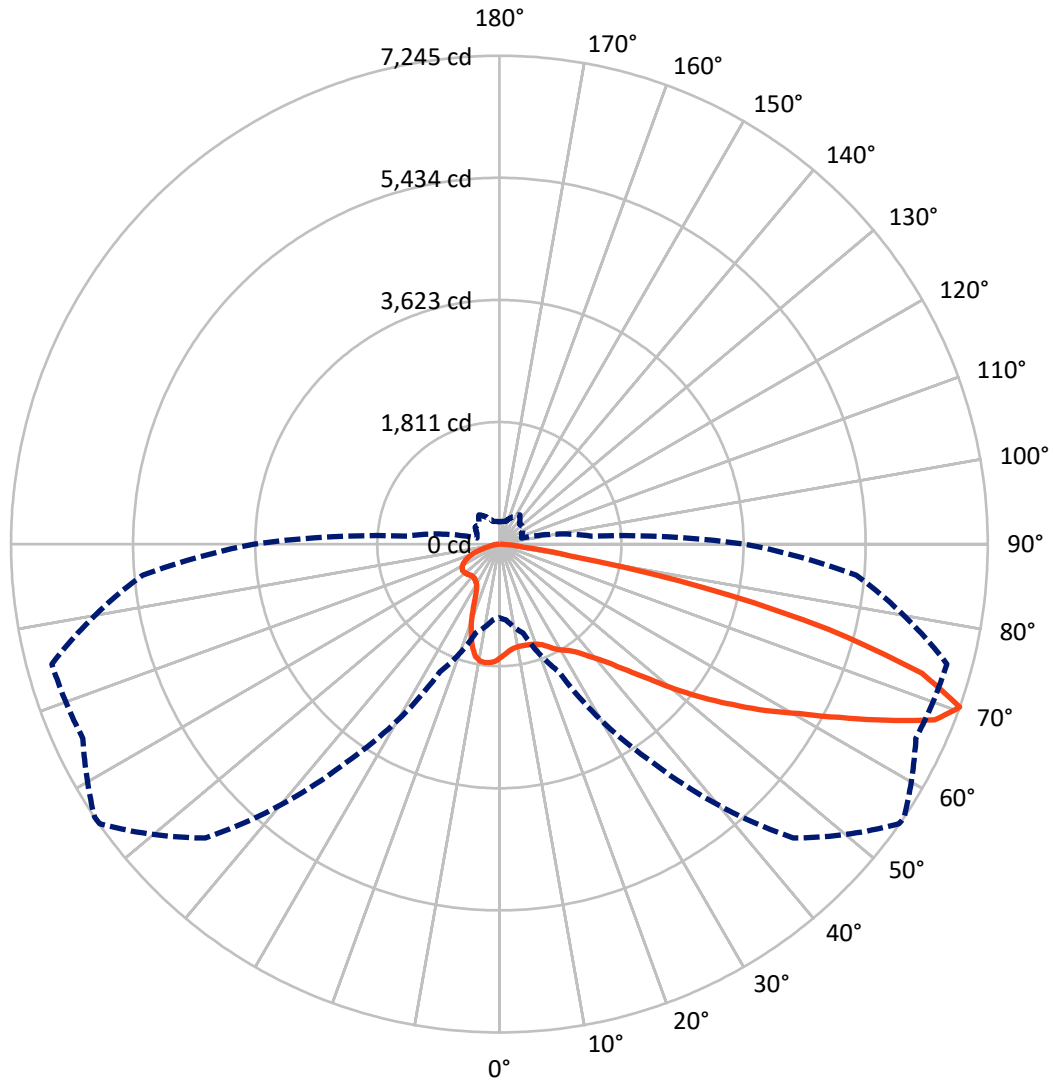
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type 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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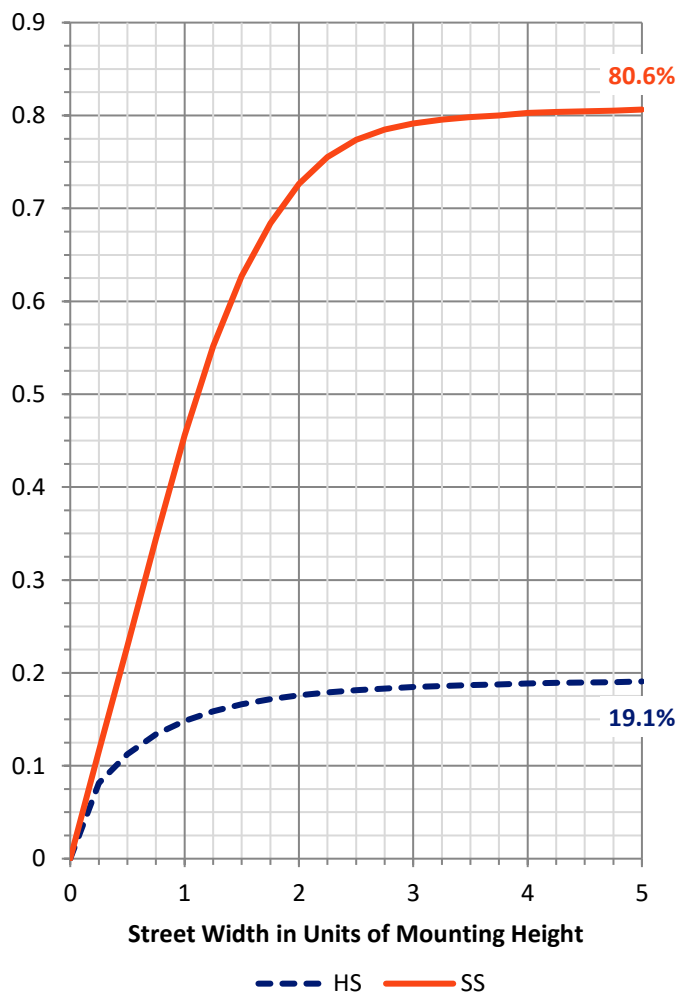
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2008.2	0.0	2008.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	8437.5	0.0	8437.5
	% Fixture	80.8	0.0	80.8
Total	Lumens	10445.7	0.0	10445.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	1.5
10°-20°	422.8	4.0
20°-30°	698.9	6.7
30°-40°	1045.0	10.0
40°-50°	1555.1	14.9
50°-60°	2210.9	21.2
60°-70°	2738.3	26.2
70°-80°	1512.0	14.5
80°-90°	106.5	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°	10445.7	100.0
0°-180°	10445.7	100.0

Coefficient of Utilization



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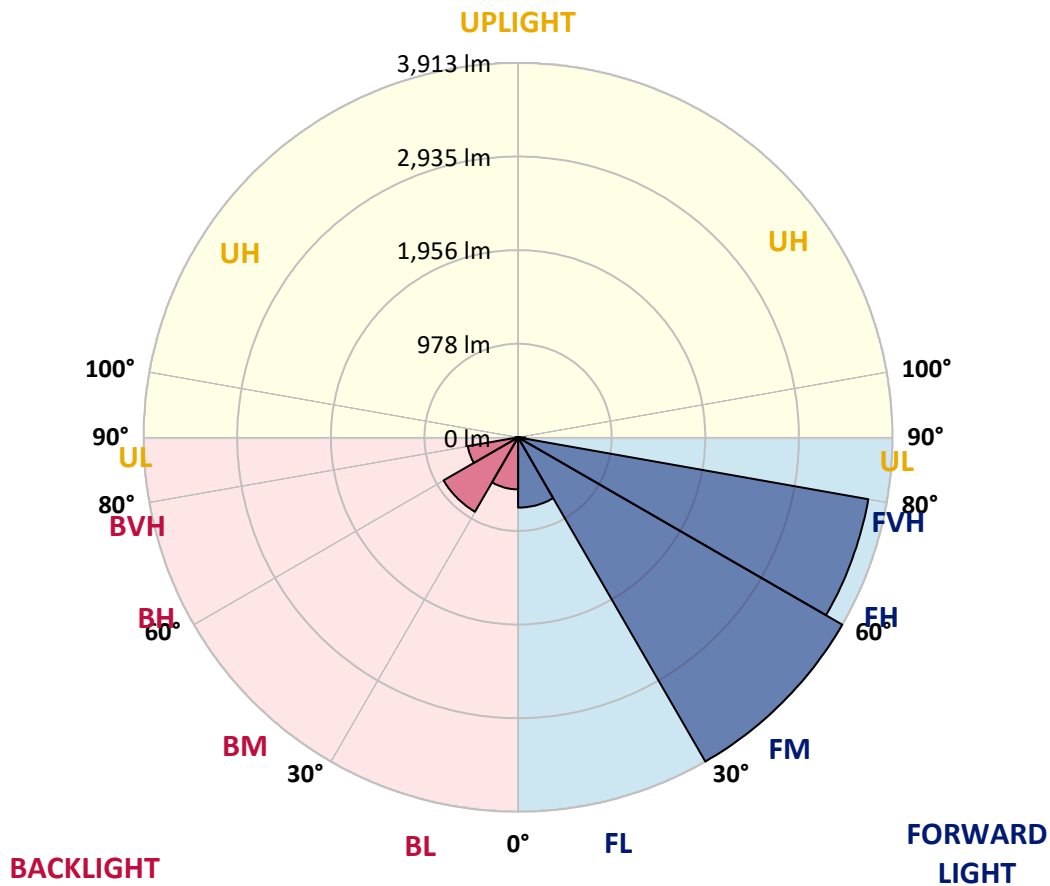
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	734.1	7.0			
FM (30°-60°)	3912.8	37.5			
FH (60°-80°)	3716.6	35.6			G2/5000
FVH (80°-90°)	74.0	0.7			G1/100
BL (0°-30°)	543.6	5.2	B2/1000		
BM (30°-60°)	898.3	8.6	B1/1000		
BH (60°-80°)	533.8	5.1	B2/1000		G2/1000
BVH (80°-90°)	32.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1
2.5°	1577.8	1569.0	1579.3	1584.4	1597.7	1616.9	1633.8	1634.5	1643.4	1664.7	1685.4
5°	1506.4	1501.9	1504.9	1520.4	1534.4	1558.7	1584.4	1586.7	1611.7	1653.7	1694.9
7.5°	1451.1	1445.2	1456.3	1476.2	1493.8	1521.1	1555.0	1557.9	1593.3	1656.6	1720.0
10°	1371.6	1367.1	1387.8	1414.3	1452.6	1497.5	1542.5	1546.1	1592.5	1675.8	1764.2
12.5°	1336.9	1336.9	1345.8	1370.8	1412.8	1472.5	1540.2	1546.1	1604.3	1705.2	1820.9
15°	1390.7	1394.4	1387.0	1385.6	1402.5	1459.2	1543.2	1552.0	1626.4	1735.4	1876.9
17.5°	1499.0	1502.7	1483.5	1453.3	1436.4	1471.7	1554.2	1563.8	1650.0	1768.6	1937.3
20°	1650.7	1655.2	1613.2	1566.8	1508.6	1507.8	1575.6	1584.4	1680.2	1804.7	2001.4
22.5°	1828.3	1831.2	1778.2	1704.5	1615.4	1574.9	1612.4	1621.3	1719.2	1854.8	2070.6
25°	2033.8	2042.6	1978.5	1871.7	1750.9	1666.9	1673.6	1683.9	1789.2	1921.8	2152.4
27.5°	2253.3	2264.3	2190.7	2072.8	1906.3	1768.6	1752.4	1761.2	1863.6	1963.1	2195.8
30°	2478.0	2486.1	2412.4	2277.6	2073.6	1883.5	1818.7	1823.8	1896.0	1982.9	2240.0
32.5°	2727.7	2721.0	2650.3	2494.9	2266.5	2021.3	1880.6	1879.1	1932.1	2022.7	2303.4
35°	2961.9	2971.5	2896.3	2724.7	2478.7	2191.4	1973.4	1967.5	2008.7	2087.5	2392.5
37.5°	3245.5	3242.6	3152.7	2967.1	2691.6	2354.2	2103.8	2093.4	2108.2	2188.5	2517.0
40°	3448.1	3468.7	3410.5	3237.4	2940.5	2554.6	2256.2	2233.4	2237.1	2313.0	2683.5
42.5°	3613.8	3633.0	3638.8	3528.4	3225.6	2802.1	2446.3	2423.4	2425.7	2533.2	2888.2
45°	3741.2	3767.0	3850.3	3817.8	3546.8	3087.9	2703.4	2679.8	2681.3	2800.6	3135.7
47.5°	3793.5	3821.5	3990.2	4067.6	3887.8	3429.6	3023.0	2988.4	2993.6	3125.4	3418.6
50°	3776.6	3814.2	4042.5	4259.8	4173.6	3777.3	3405.3	3381.0	3361.1	3552.7	3725.8
52.5°	3630.7	3672.0	4037.4	4382.1	4407.1	4105.9	3800.2	3786.2	3781.7	4006.4	4069.0
55°	3201.3	3270.5	3859.8	4414.5	4589.8	4415.2	4228.1	4204.6	4227.4	4492.6	4416.0
57.5°	2963.4	3014.9	3512.1	4378.4	4739.3	4709.9	4655.4	4657.6	4683.4	5020.7	4836.6
60°	2827.8	2888.2	3319.2	4279.7	4883.0	5067.9	5102.5	5102.5	5148.9	5590.1	5263.8
62.5°	2648.1	2709.2	3138.7	4089.6	5015.6	5489.2	5664.5	5662.3	5680.7	6200.8	5681.5
65°	2283.5	2340.2	2776.3	3789.9	5080.4	5953.3	6303.2	6296.5	6259.7	6744.4	5957.7
67.5°	1658.1	1711.9	2126.6	3219.7	4846.9	6327.5	6960.9	6963.9	6743.6	7086.9	5972.4
70°	1093.1	1130.0	1367.1	2091.2	3941.6	6166.1	7236.4	7245.3	6818.0	6873.3	5315.4
72.5°	682.1	707.9	853.7	1247.1	2329.2	4880.8	6529.3	6553.6	6133.7	6040.2	4367.4
75°	453.0	470.7	567.9	727.0	1077.7	2641.5	4963.3	5041.3	4916.1	4734.9	3042.9
77.5°	272.5	287.3	361.7	461.9	477.3	1032.0	2897.1	3098.9	3116.6	2472.1	1274.3
80°	124.5	141.4	199.6	263.7	254.1	359.5	1021.7	1068.8	1261.1	785.2	402.2
82.5°	73.7	81.0	132.6	131.1	108.3	174.6	367.6	377.1	320.4	287.3	171.6
85°	29.5	34.6	56.0	49.4	39.8	56.7	138.5	145.1	139.2	125.2	63.3
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	12.5	13.3	19.2	34.6	19.2
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°	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1	1686.1
2.5°	1698.6	1694.2	1716.3	1733.2	1740.6	1748.0	1741.3	1739.1	1739.1	1724.4	1717.0
5°	1717.0	1719.2	1749.4	1763.4	1763.4	1757.5	1739.9	1727.3	1722.9	1703.8	1698.6
7.5°	1751.7	1761.2	1789.2	1788.5	1767.9	1735.4	1691.3	1657.4	1626.4	1613.2	1605.1
10°	1808.4	1820.9	1840.0	1809.1	1751.7	1666.2	1572.7	1499.0	1454.8	1419.4	1419.4
12.5°	1873.2	1885.0	1881.3	1809.8	1691.3	1531.4	1396.6	1311.9	1250.0	1217.6	1217.6
15°	1938.0	1947.6	1907.8	1776.0	1565.3	1352.4	1205.1	1103.4	1049.7	1019.5	1019.5
17.5°	2003.6	2002.8	1918.9	1697.9	1401.0	1154.3	1009.9	931.1	912.7	907.5	906.8
20°	2066.9	2050.0	1904.9	1567.5	1210.2	954.6	863.3	868.5	895.7	907.5	909.0
22.5°	2138.4	2096.4	1863.6	1401.0	993.7	816.2	822.1	864.8	904.6	922.2	924.4
25°	2211.3	2136.2	1794.4	1205.8	812.5	765.3	811.0	858.9	903.8	926.7	928.9
27.5°	2240.8	2136.2	1676.5	979.7	716.0	744.0	794.1	840.5	887.6	914.1	919.3
30°	2265.1	2117.7	1511.5	775.6	676.2	723.3	766.8	809.5	855.9	888.3	894.2
32.5°	2299.0	2101.5	1311.9	651.9	657.8	703.5	733.7	769.8	811.7	833.1	830.9
35°	2338.7	2076.5	1071.0	593.0	642.3	686.5	707.9	729.2	710.1	709.4	711.6
37.5°	2395.5	2054.4	861.1	566.5	632.0	674.7	692.4	646.7	620.2	609.2	604.8
40°	2477.2	2045.6	679.2	551.0	630.5	674.0	661.5	590.8	554.7	516.4	515.6
42.5°	2580.3	2038.9	561.3	543.6	635.7	690.9	618.8	553.9	479.5	462.6	461.1
45°	2712.9	2028.6	502.4	542.1	648.2	704.2	614.3	503.1	452.3	444.9	444.9
47.5°	2872.8	2012.4	475.8	542.1	662.2	698.3	601.1	492.1	439.8	447.9	453.0
50°	3056.2	1991.8	461.9	540.7	676.2	698.3	573.1	489.8	436.8	478.8	495.7
52.5°	3252.1	1968.2	452.3	534.8	685.8	699.0	574.6	497.2	439.8	486.2	500.2
55°	3468.7	1964.5	439.0	522.3	688.7	679.9	578.2	513.4	444.2	440.5	441.2
57.5°	3742.0	2008.7	429.4	503.8	676.9	640.8	585.6	525.2	439.0	439.8	444.9
60°	4027.8	2092.0	437.5	486.2	652.6	604.0	590.8	519.3	414.0	402.2	403.7
62.5°	4270.9	2155.3	444.2	478.1	617.3	571.6	585.6	506.0	400.0	397.0	403.7
65°	4372.5	2103.0	428.0	461.1	565.7	531.8	574.6	489.1	388.2	377.1	377.9
67.5°	4259.8	1857.7	396.3	423.5	507.5	481.0	556.9	467.0	372.0	358.7	355.8
70°	3638.8	1364.9	341.8	363.9	436.8	421.3	529.6	438.3	346.2	336.6	330.0
72.5°	2932.4	966.4	283.6	289.5	342.5	355.0	482.5	402.2	316.7	289.5	279.9
75°	2041.1	607.0	236.5	230.6	247.5	271.1	376.4	333.7	273.3	244.6	235.7
77.5°	878.0	311.6	184.9	181.9	165.0	187.8	288.8	278.4	229.1	195.9	190.8
80°	293.9	180.5	133.3	128.2	109.8	131.9	203.3	222.5	179.7	145.1	136.3
82.5°	147.3	104.6	84.7	76.6	73.7	83.2	120.1	138.5	124.5	100.2	84.7
85°	72.2	59.7	46.4	45.7	38.3	36.1	50.1	58.9	56.0	41.3	39.0
87.5°	26.5	23.6	14.7	11.8	7.4	5.2	2.9	2.9	2.2	2.2	2.2
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)