

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: P634323

Luminaire Tested: GWS-SA3B-740-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634323
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-SA3B-740-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10574.1 lumens
Efficiency: N/A
Efficacy: 154.8 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

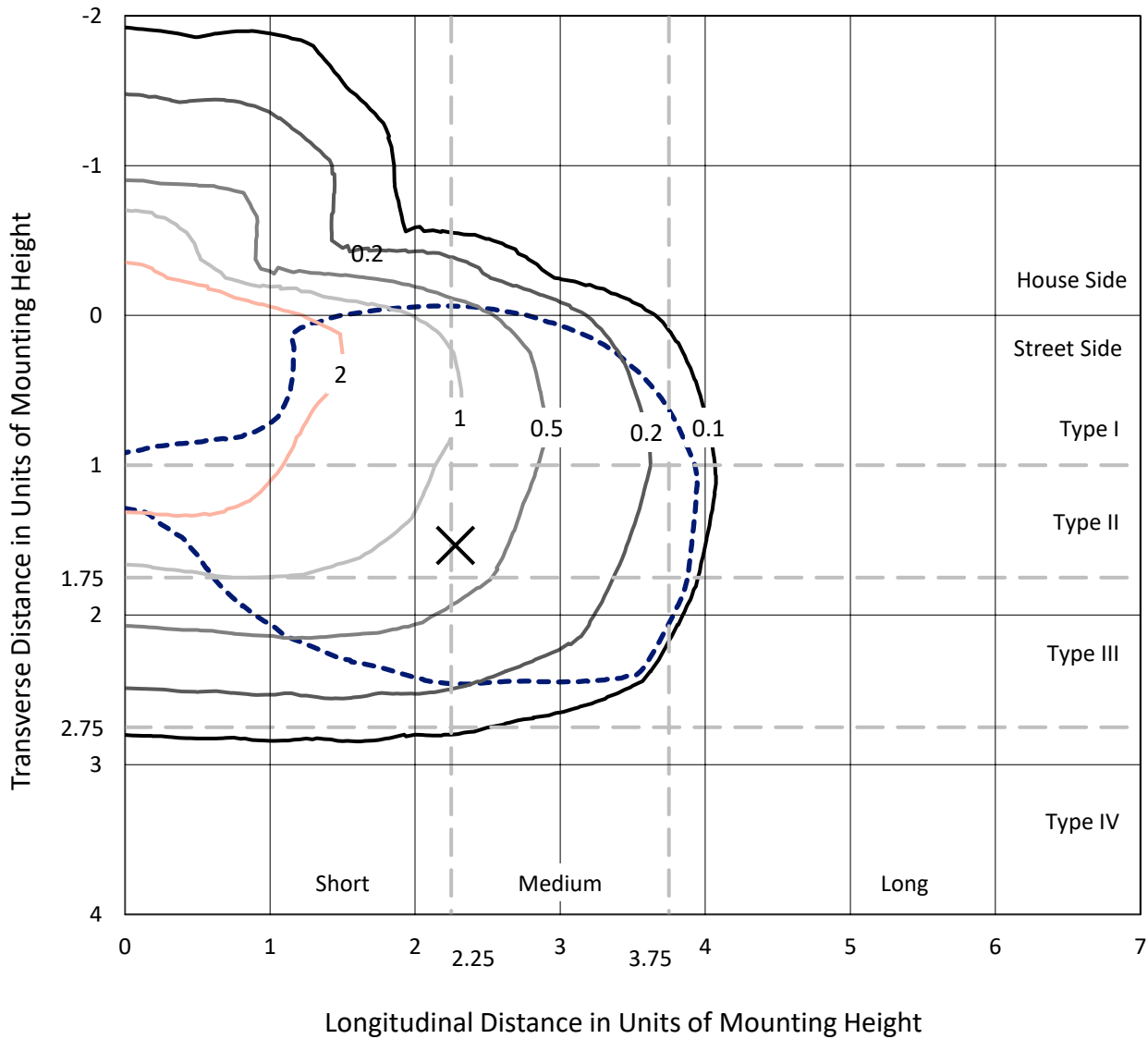
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634323
 CATALOG NUMBER: GWS-SA3B-740-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

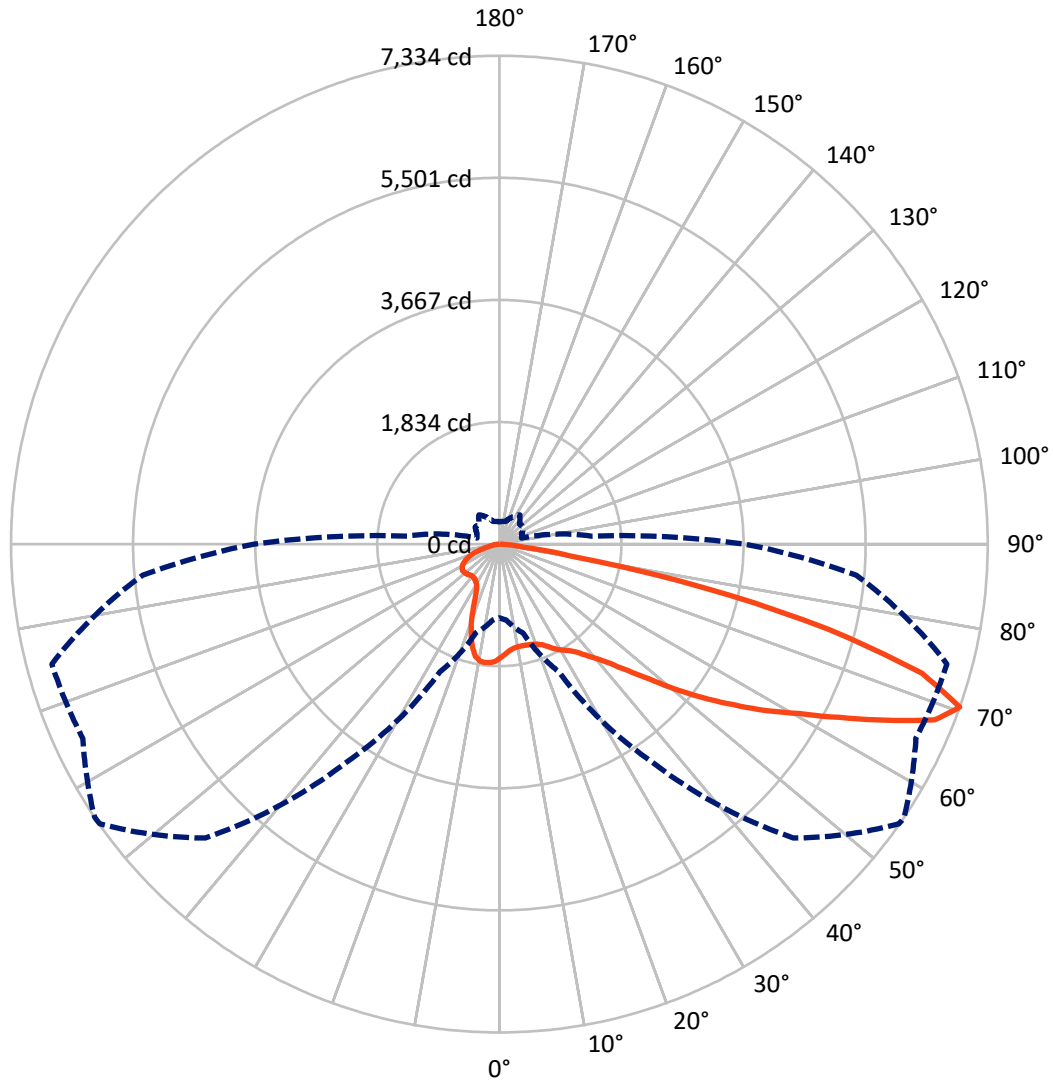
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P634323
CATALOG NUMBER: GWS-SA3B-740-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634323

CATALOG NUMBER: GWS-SA3B-740-U-T3R-W

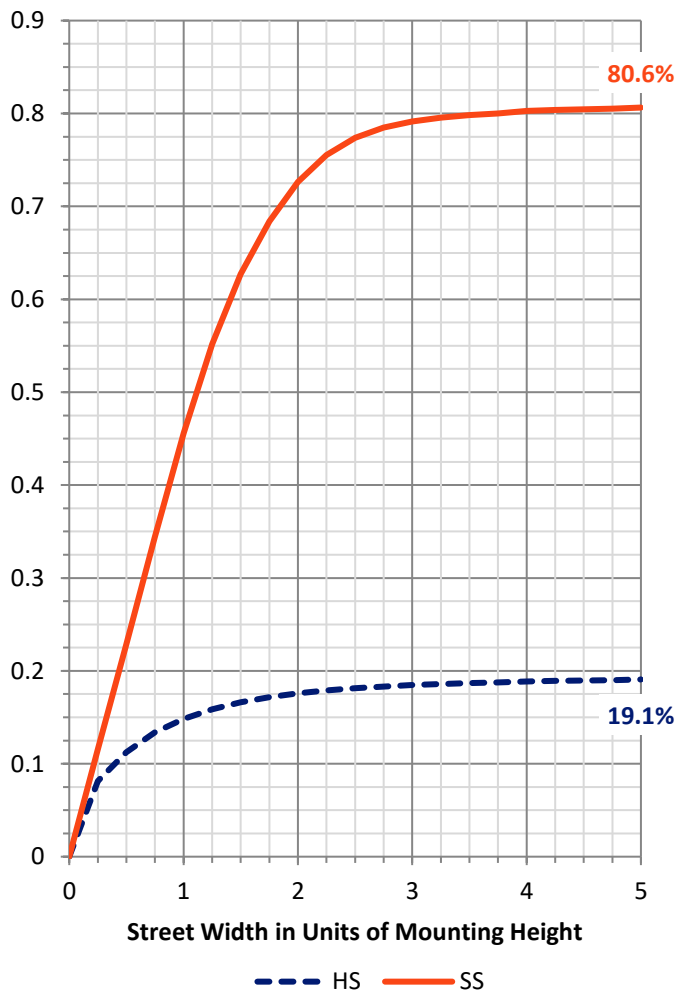
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2032.9	0.0	2032.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	8541.2	0.0	8541.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	10574.1	0.0	10574.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	1.5
10°-20°	428.0	4.0
20°-30°	707.5	6.7
30°-40°	1057.9	10.0
40°-50°	1574.3	14.9
50°-60°	2238.1	21.2
60°-70°	2772.0	26.2
70°-80°	1530.6	14.5
80°-90°	107.8	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°	10574.1	100.0
0°-180°	10574.1	100.0

Coefficient of Utilization



REPORT NUMBER: P634323

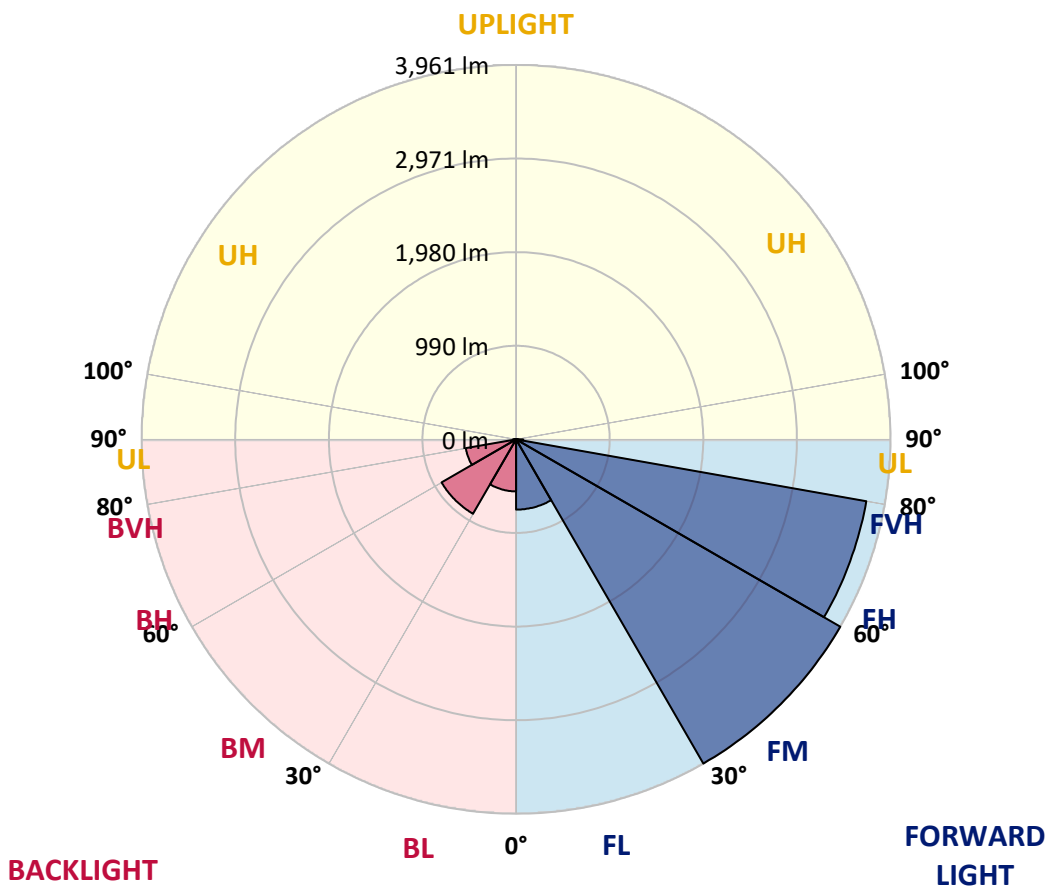
CATALOG NUMBER: GWS-SA3B-740-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.1	7.0			
FM (30°-60°)	3960.9	37.5			
FH (60°-80°)	3762.3	35.6			G2/5000
FVH (80°-90°)	74.9	0.7			G1/100
BL (0°-30°)	550.3	5.2	B2/1000		
BM (30°-60°)	909.4	8.6	B1/1000		
BH (60°-80°)	540.3	5.1	B2/1000		G2/1000
BVH (80°-90°)	32.9	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





REPORT NUMBER: P634323
 CATALOG NUMBER: GWS-SA3B-740-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8
2.5°	1597.2	1588.3	1598.7	1603.9	1617.3	1636.7	1653.9	1654.6	1663.6	1685.2	1706.1
5°	1524.9	1520.4	1523.4	1539.0	1553.2	1577.8	1603.9	1606.2	1631.5	1674.0	1715.8
7.5°	1469.0	1463.0	1474.2	1494.3	1512.2	1539.8	1574.1	1577.1	1612.9	1677.0	1741.1
10°	1388.4	1384.0	1404.8	1431.7	1470.4	1515.9	1561.4	1565.1	1612.1	1696.4	1785.9
12.5°	1353.4	1353.4	1362.3	1387.7	1430.2	1490.6	1559.2	1565.1	1624.1	1726.2	1843.3
15°	1407.8	1411.5	1404.1	1402.6	1419.7	1477.2	1562.2	1571.1	1646.4	1756.8	1899.9
17.5°	1517.4	1521.2	1501.8	1471.2	1454.0	1489.8	1573.3	1583.0	1670.3	1790.3	1961.1
20°	1671.0	1675.5	1633.0	1586.0	1527.1	1526.4	1595.0	1603.9	1700.9	1826.9	2026.0
22.5°	1850.7	1853.7	1800.0	1725.5	1635.2	1594.2	1632.3	1641.2	1740.4	1877.6	2096.1
25°	2058.8	2067.7	2002.9	1894.7	1772.4	1687.4	1694.1	1704.6	1811.2	1945.4	2178.8
27.5°	2281.0	2292.2	2217.6	2098.3	1929.8	1790.3	1773.9	1782.9	1886.5	1987.2	2222.8
30°	2508.4	2516.6	2442.0	2305.6	2099.0	1906.7	1841.0	1846.3	1919.3	2007.3	2267.6
32.5°	2761.2	2754.5	2682.9	2525.6	2294.4	2046.1	1903.7	1902.2	1955.9	2047.6	2331.7
35°	2998.3	3008.0	2931.9	2758.2	2509.2	2218.3	1997.6	1991.7	2033.4	2113.2	2421.9
37.5°	3285.4	3282.4	3191.4	3003.5	2724.7	2383.1	2129.6	2119.2	2134.1	2215.4	2547.9
40°	3490.4	3511.3	3452.4	3277.2	2976.7	2586.0	2284.0	2260.8	2264.6	2341.4	2716.4
42.5°	3658.2	3677.6	3683.6	3571.7	3265.3	2836.5	2476.3	2453.2	2455.5	2564.3	2923.7
45°	3787.2	3813.3	3897.6	3864.8	3590.4	3125.8	2736.6	2712.7	2714.2	2835.0	3174.3
47.5°	3840.2	3868.5	4039.3	4117.6	3935.6	3471.8	3060.2	3025.2	3030.4	3163.8	3460.6
50°	3823.0	3861.0	4092.2	4312.2	4224.9	3823.8	3447.2	3422.6	3402.5	3596.3	3771.6
52.5°	3675.4	3717.1	4087.0	4435.9	4461.3	4156.3	3846.9	3832.7	3828.2	4055.7	4119.0
55°	3240.7	3310.7	3907.3	4468.8	4646.2	4469.5	4280.1	4256.2	4279.4	4547.8	4470.2
57.5°	2999.8	3052.0	3555.3	4432.2	4797.6	4767.8	4712.6	4714.8	4740.9	5082.4	4896.0
60°	2862.6	2923.7	3360.0	4332.3	4943.0	5130.2	5165.2	5165.2	5212.2	5658.8	5328.5
62.5°	2680.7	2742.5	3177.3	4139.9	5077.2	5556.7	5734.1	5731.9	5750.6	6277.0	5751.3
65°	2311.6	2369.0	2810.4	3836.4	5142.8	6026.4	6380.6	6373.9	6336.6	6827.3	6030.9
67.5°	1678.5	1732.9	2152.7	3259.3	4906.5	6405.2	7046.5	7049.5	6826.5	7174.0	6045.8
70°	1106.6	1143.8	1384.0	2116.9	3990.0	6241.9	7325.4	7334.3	6901.9	6957.8	5380.7
72.5°	690.5	716.6	864.2	1262.4	2357.8	4940.8	6609.6	6634.2	6209.1	6114.4	4421.0
75°	458.6	476.5	574.9	736.0	1090.9	2673.9	5024.3	5103.3	4976.6	4793.1	3080.3
77.5°	275.9	290.8	366.1	467.5	483.2	1044.7	2932.7	3137.0	3154.9	2502.4	1290.0
80°	126.0	143.2	202.1	266.9	257.3	363.9	1034.2	1082.0	1276.6	794.9	407.1
82.5°	74.6	82.0	134.2	132.7	109.6	176.7	372.1	381.8	324.4	290.8	173.7
85°	29.8	35.0	56.7	50.0	40.3	57.4	140.2	146.9	140.9	126.8	64.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	12.7	13.4	19.4	35.0	19.4
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: P634323
 CATALOG NUMBER: GWS-SA3B-740-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8	1706.8
2.5°	1719.5	1715.0	1737.4	1754.5	1762.0	1769.5	1762.7	1760.5	1760.5	1745.6	1738.1
5°	1738.1	1740.4	1770.9	1785.1	1785.1	1779.2	1761.3	1748.6	1744.1	1724.7	1719.5
7.5°	1773.2	1782.9	1811.2	1810.5	1789.6	1756.8	1712.0	1677.7	1646.4	1633.0	1624.8
10°	1830.6	1843.3	1862.7	1831.3	1773.2	1686.7	1592.0	1517.4	1472.7	1436.9	1436.9
12.5°	1896.2	1908.2	1904.4	1832.1	1712.0	1550.2	1413.8	1328.0	1265.4	1232.6	1232.6
15°	1961.8	1971.5	1931.3	1797.8	1584.5	1369.0	1219.9	1117.0	1062.6	1032.0	1032.0
17.5°	2028.2	2027.5	1942.5	1718.8	1418.3	1168.5	1022.3	942.5	923.9	918.7	917.9
20°	2092.3	2075.2	1928.3	1586.8	1225.1	966.4	873.9	879.1	906.7	918.7	920.1
22.5°	2164.7	2122.2	1886.5	1418.3	1005.9	826.2	832.2	875.4	915.7	933.6	935.8
25°	2238.5	2162.4	1816.4	1220.7	822.5	774.7	821.0	869.4	914.9	938.0	940.3
27.5°	2268.3	2162.4	1697.1	991.7	724.8	753.1	803.8	850.8	898.5	925.4	930.6
30°	2292.9	2143.8	1530.1	785.2	684.5	732.2	776.2	819.5	866.5	899.3	905.2
32.5°	2327.2	2127.4	1328.0	659.9	665.9	712.1	742.7	779.2	821.7	843.3	841.1
35°	2367.5	2102.0	1084.2	600.3	650.2	695.0	716.6	738.2	718.8	718.1	720.3
37.5°	2424.9	2079.7	871.7	573.4	639.8	683.0	700.9	654.7	627.8	616.7	612.2
40°	2507.7	2070.7	687.5	557.8	638.3	682.3	669.6	598.0	561.5	522.7	522.0
42.5°	2612.1	2064.0	568.2	550.3	643.5	699.4	626.4	560.7	485.4	468.3	466.8
45°	2746.3	2053.6	508.5	548.8	656.2	712.9	621.9	509.3	457.8	450.4	450.4
47.5°	2908.1	2037.2	481.7	548.8	670.4	706.9	608.5	498.1	445.2	453.4	458.6
50°	3093.8	2016.3	467.5	547.3	684.5	706.9	580.1	495.9	442.2	484.7	501.8
52.5°	3292.1	1992.4	457.8	541.4	694.2	707.6	581.6	503.3	445.2	492.1	506.3
55°	3511.3	1988.7	444.4	528.7	697.2	688.2	585.3	519.7	449.6	445.9	446.7
57.5°	3788.0	2033.4	434.7	510.0	685.3	648.7	592.8	531.7	444.4	445.2	450.4
60°	4077.3	2117.7	442.9	492.1	660.7	611.4	598.0	525.7	419.1	407.1	408.6
62.5°	4323.4	2181.8	449.6	483.9	624.9	578.6	592.8	512.3	404.9	401.9	408.6
65°	4426.3	2128.9	433.2	466.8	572.7	538.4	581.6	495.1	393.0	381.8	382.5
67.5°	4312.2	1880.6	401.2	428.8	513.8	486.9	563.7	472.8	376.6	363.1	360.2
70°	3683.6	1381.7	346.0	368.4	442.2	426.5	536.1	443.7	350.5	340.8	334.1
72.5°	2968.5	978.3	287.1	293.0	346.7	359.4	488.4	407.1	320.6	293.0	283.4
75°	2066.2	614.4	239.4	233.4	250.5	274.4	381.0	337.8	276.6	247.6	238.6
77.5°	888.8	315.4	187.2	184.2	167.0	190.1	292.3	281.9	231.9	198.3	193.1
80°	297.5	182.7	135.0	129.7	111.1	133.5	205.8	225.2	181.9	146.9	137.9
82.5°	149.1	105.9	85.8	77.5	74.6	84.3	121.5	140.2	126.0	101.4	85.8
85°	73.1	60.4	47.0	46.2	38.8	36.5	50.7	59.7	56.7	41.8	39.5
87.5°	26.8	23.9	14.9	11.9	7.5	5.2	3.0	3.0	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)