

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: P635079

Luminaire Tested: GWS-SA3D-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10807.3 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

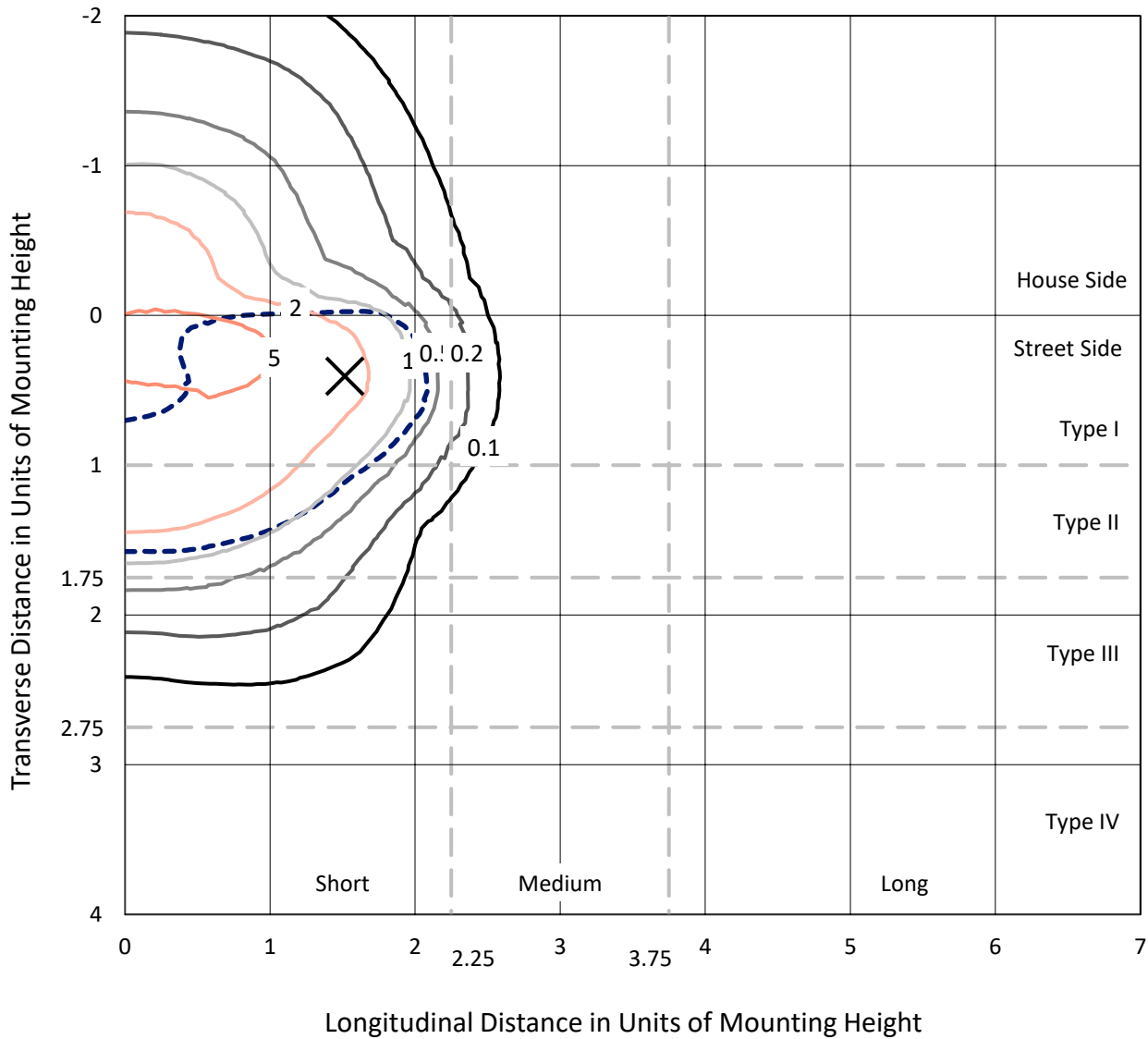
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635079
 CATALOG NUMBER: GWS-SA3D-722-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

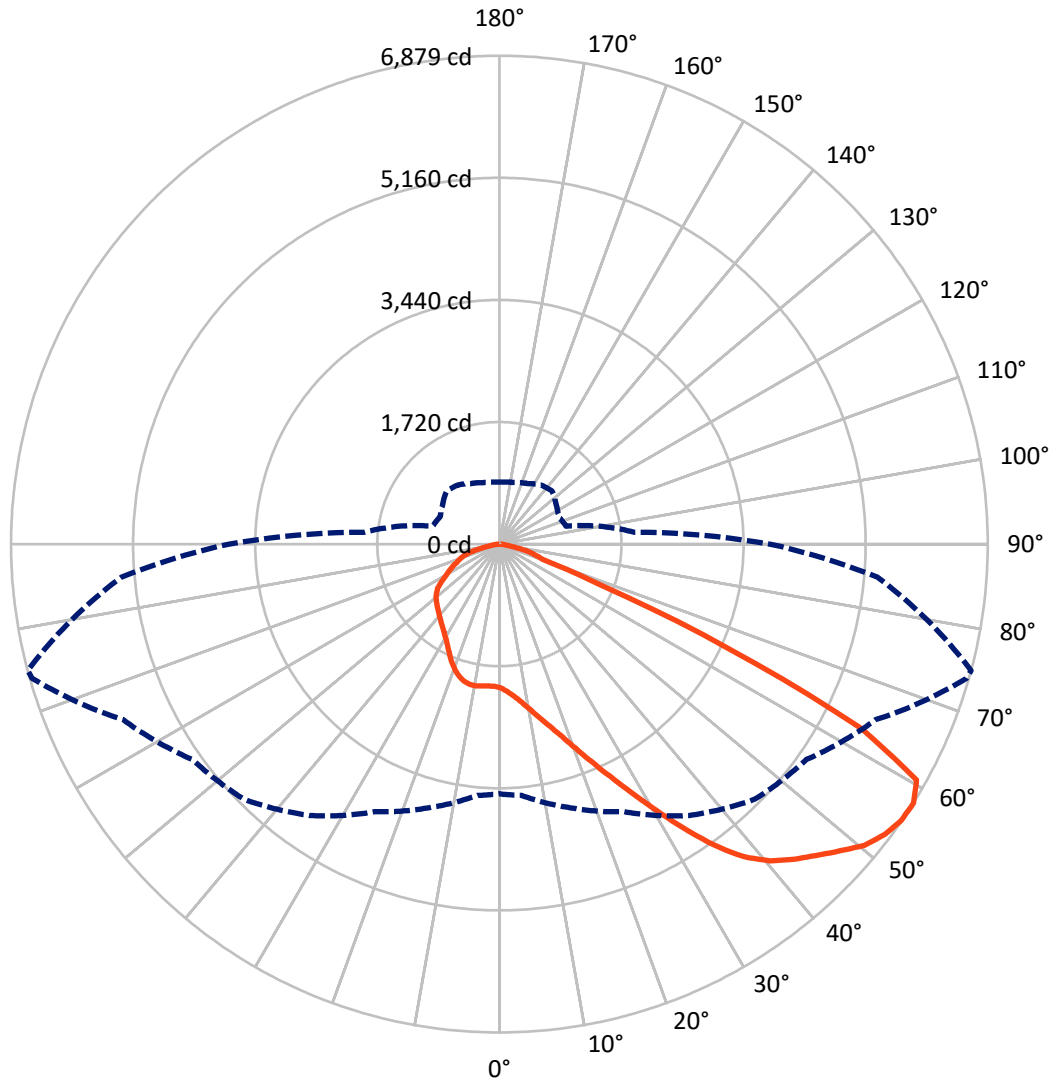
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - N/A

REPORT NUMBER: P635079
CATALOG NUMBER: GWS-SA3D-722-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635079
 CATALOG NUMBER: GWS-SA3D-722-U-T2-W-GRSWH

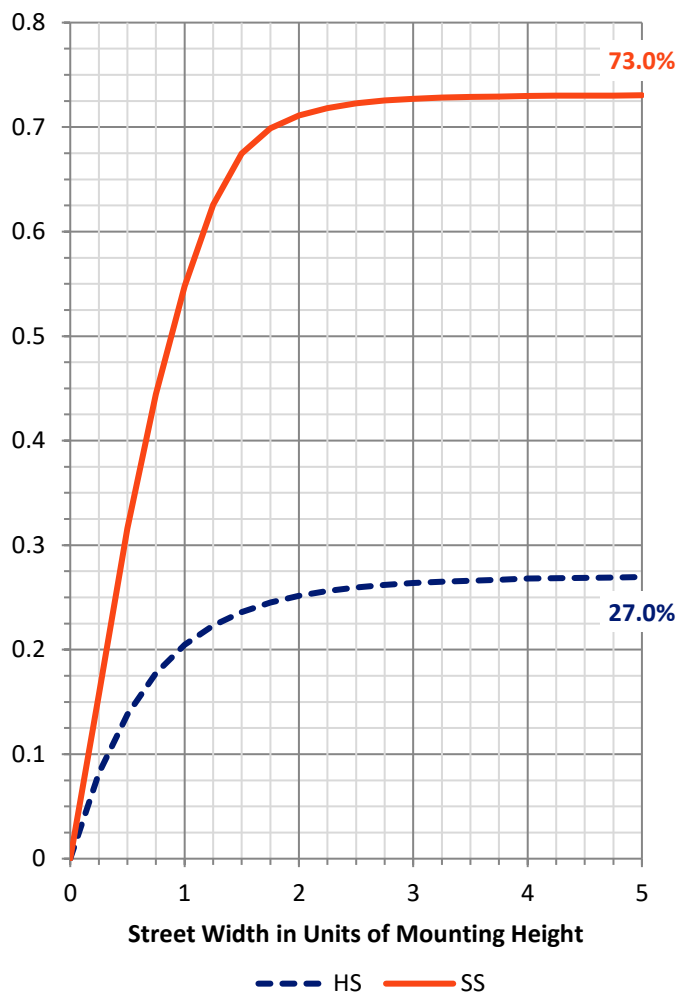
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2923.6	0.0	2923.6
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	7883.7	0.0	7883.7
	% Fixture	72.9	0.0	72.9
Total	Lumens	10807.3	0.0	10807.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.5	1.9
10°-20°	644.8	6.0
20°-30°	1143.6	10.6
30°-40°	1750.6	16.2
40°-50°	2437.6	22.6
50°-60°	2793.0	25.8
60°-70°	1435.1	13.3
70°-80°	361.3	3.3
80°-90°	38.6	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°	10807.3	100.0
0°-180°	10807.3	100.0

Coefficient of Utilization



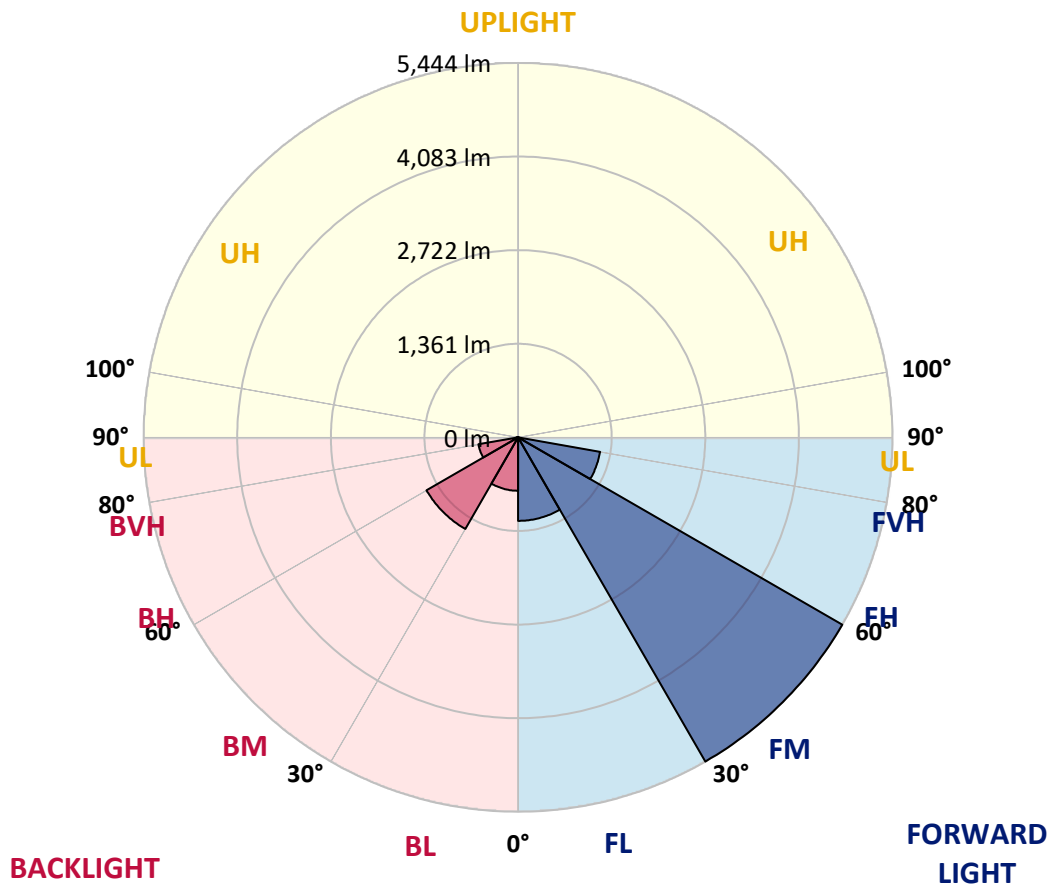
REPORT NUMBER: P635079

CATALOG NUMBER: GWS-SA3D-722-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1214.3	11.2			
FM (30°-60°)	5443.8	50.4			
FH (60°-80°)	1211.4	11.2			G1/1800
FVH (80°-90°)	14.3	0.1			G1/100
BL (0°-30°)	776.7	7.2	B2/1000		
BM (30°-60°)	1537.5	14.2	B2/2500		
BH (60°-80°)	585.0	5.4	B2/1000		G2/1000
BVH (80°-90°)	24.3	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-G2
 Type II Short





REPORT NUMBER: P635079

CATALOG NUMBER: GWS-SA3D-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9
2.5°	2174.5	2180.1	2174.5	2183.8	2165.2	2156.8	2136.4	2105.7	2081.6	2077.8	2050.9
5°	2343.6	2355.7	2348.3	2344.5	2319.5	2300.9	2270.2	2208.9	2158.7	2151.3	2098.3
7.5°	2452.3	2460.7	2460.7	2463.5	2454.2	2432.8	2400.3	2327.8	2257.2	2246.0	2166.1
10°	2488.6	2495.1	2507.2	2530.4	2549.0	2555.5	2534.1	2464.4	2378.0	2366.8	2255.3
12.5°	2496.9	2504.4	2523.0	2565.7	2616.8	2663.3	2667.0	2615.9	2519.2	2507.2	2358.5
15°	2512.7	2520.2	2545.3	2598.2	2673.5	2762.7	2817.5	2782.2	2675.4	2662.4	2475.6
17.5°	2510.9	2519.2	2556.4	2627.0	2728.3	2857.5	2963.4	2978.3	2867.7	2845.4	2608.5
20°	2506.2	2513.7	2553.6	2640.1	2765.5	2943.0	3134.4	3211.6	3092.6	3072.2	2763.6
22.5°	2543.4	2551.8	2582.4	2654.0	2785.0	3009.0	3292.4	3478.3	3359.3	3330.5	2942.1
25°	2627.0	2639.1	2657.7	2707.0	2820.3	3067.5	3454.1	3780.3	3658.5	3624.1	3136.3
27.5°	2756.2	2771.1	2797.1	2820.3	2899.3	3141.9	3614.9	4118.5	3996.8	3960.5	3341.7
30°	2914.2	2933.7	2967.2	2983.0	3036.9	3251.5	3789.6	4467.0	4396.4	4346.2	3573.0
32.5°	3132.6	3159.5	3191.1	3195.8	3228.3	3417.9	3962.4	4812.7	4811.8	4776.4	3836.0
35°	3416.9	3445.7	3452.2	3458.7	3474.5	3646.5	4171.5	5127.7	5249.4	5208.6	4122.2
37.5°	3727.3	3769.1	3779.3	3750.5	3772.8	3921.5	4406.6	5380.5	5630.4	5586.8	4399.2
40°	4059.0	4075.8	4103.7	4058.1	4086.0	4236.5	4637.1	5542.2	5914.8	5868.3	4617.5
42.5°	4296.9	4327.6	4369.4	4352.7	4368.5	4506.0	4798.7	5620.2	6117.4	6070.9	4774.6
45°	4555.3	4564.6	4591.5	4587.8	4597.1	4725.3	4914.9	5654.6	6298.6	6256.8	4908.4
47.5°	4780.2	4794.1	4811.8	4791.3	4770.9	4854.5	5009.7	5684.3	6507.7	6457.5	5048.7
50°	4996.7	5008.8	5030.1	4970.7	4894.5	4915.8	5056.2	5725.2	6703.7	6668.4	5159.3
52.5°	5036.6	5049.6	5150.0	5162.1	5064.5	4989.2	5137.9	5815.4	6819.0	6796.7	5199.3
55°	4533.9	4557.1	4756.9	4986.5	5227.1	5203.0	5269.0	5862.8	6864.5	6870.1	5270.8
57.5°	3519.1	3552.6	3844.4	4159.4	4665.9	5085.0	5285.7	5850.7	6848.7	6879.4	5344.2
60°	2308.3	2327.8	2673.5	3026.6	3551.7	4131.5	4730.9	5633.2	6708.4	6752.1	5325.6
62.5°	1393.9	1416.2	1694.1	1961.7	2271.1	2658.6	3208.8	4527.4	5623.0	5720.6	4265.3
65°	972.9	1002.7	1246.1	1466.4	1573.3	1493.3	1625.3	2528.5	3503.3	3544.2	2606.6
67.5°	705.3	725.8	925.6	1187.6	1305.6	1054.7	803.8	1119.8	1525.9	1540.7	1075.2
70°	461.8	485.1	666.3	904.2	1065.9	854.9	601.2	605.9	642.1	649.6	624.5
72.5°	253.7	267.6	411.7	600.3	630.0	511.1	469.3	503.7	528.8	528.8	535.3
75°	131.0	143.1	168.2	197.9	238.8	279.7	338.3	389.4	416.3	418.2	415.4
77.5°	66.9	71.6	90.1	97.6	106.9	124.5	161.7	207.2	231.4	240.7	238.8
80°	31.6	33.5	38.1	44.6	54.8	69.7	87.4	104.1	118.9	120.8	131.0
82.5°	16.7	18.6	20.4	24.2	29.7	37.2	51.1	61.3	70.6	72.5	80.8
85°	6.5	7.4	8.4	9.3	13.0	15.8	21.4	28.8	35.3	35.3	41.8
87.5°	0.0	0.0	0.0	0.0	0.9	1.9	3.7	4.6	6.5	6.5	11.2
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: P635079

CATALOG NUMBER: GWS-SA3D-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9	2023.9
2.5°	2044.4	2017.4	2005.4	1985.8	1970.1	1952.4	1938.5	1928.2	1921.7	1918.0	1914.3
5°	2077.8	2037.0	2004.4	1965.4	1938.5	1912.4	1891.1	1876.2	1868.8	1863.2	1859.5
7.5°	2129.9	2075.1	2013.7	1953.3	1905.9	1864.1	1837.2	1821.4	1811.1	1807.4	1804.6
10°	2201.4	2125.2	2023.9	1928.2	1857.6	1812.1	1793.5	1786.1	1787.0	1785.1	1784.2
12.5°	2282.3	2178.2	2021.2	1883.6	1805.6	1778.6	1779.6	1791.6	1805.6	1809.3	1810.2
15°	2369.6	2230.2	1994.2	1826.0	1764.7	1767.5	1791.6	1820.4	1846.5	1856.7	1858.5
17.5°	2464.4	2273.9	1945.0	1762.8	1731.2	1761.0	1805.6	1853.0	1891.1	1907.8	1912.4
20°	2570.4	2311.1	1875.3	1700.6	1699.6	1748.9	1813.9	1876.2	1924.5	1946.8	1950.5
22.5°	2682.8	2334.3	1789.8	1642.9	1667.1	1733.1	1807.4	1872.5	1923.6	1945.9	1950.5
25°	2796.2	2341.8	1695.9	1590.0	1633.7	1708.0	1775.8	1827.9	1876.2	1895.7	1899.4
27.5°	2902.1	2320.4	1606.7	1544.4	1603.0	1670.8	1716.4	1744.2	1777.7	1792.6	1795.3
30°	3009.9	2277.6	1531.4	1508.2	1568.6	1619.7	1640.2	1642.0	1655.0	1655.0	1656.9
32.5°	3118.6	2214.4	1465.5	1472.9	1525.9	1559.3	1562.1	1540.7	1524.9	1498.9	1498.0
35°	3244.1	2150.3	1411.6	1432.9	1475.7	1496.1	1487.8	1446.9	1408.8	1366.0	1364.2
37.5°	3360.2	2084.4	1366.0	1392.0	1419.0	1433.9	1414.3	1365.1	1333.5	1289.8	1283.3
40°	3456.0	2024.9	1322.3	1349.3	1362.3	1375.3	1343.7	1303.8	1308.4	1284.2	1283.3
42.5°	3511.7	1967.3	1281.5	1301.9	1310.3	1319.6	1291.7	1261.9	1287.0	1268.5	1269.4
45°	3552.6	1917.1	1244.3	1251.7	1272.2	1286.1	1260.1	1226.6	1232.2	1160.7	1143.9
47.5°	3599.1	1889.2	1209.0	1201.5	1237.8	1261.9	1222.0	1173.7	1140.2	1069.6	1063.1
50°	3648.3	1879.0	1171.8	1151.4	1195.0	1218.3	1171.8	1111.4	1067.7	1029.6	1025.9
52.5°	3665.0	1878.1	1125.3	1091.0	1134.6	1167.2	1128.1	1066.8	1014.8	977.6	975.7
55°	3731.0	1905.0	1065.9	1008.3	1049.1	1116.1	1087.2	999.0	957.1	940.4	938.6
57.5°	3808.1	1909.6	972.0	918.1	974.8	1053.8	1017.5	941.3	895.8	875.4	873.5
60°	3776.5	1795.3	871.7	849.4	911.6	995.2	961.8	895.8	842.8	823.3	821.5
62.5°	2877.9	1267.5	798.2	789.9	843.8	910.7	904.2	835.4	785.2	771.3	769.4
65°	1731.2	890.2	727.6	726.7	764.8	828.9	837.3	781.5	728.5	709.0	709.0
67.5°	855.9	681.2	647.7	643.1	667.2	712.7	748.1	702.5	657.9	639.3	636.5
70°	605.0	600.3	589.2	576.1	580.8	599.4	614.2	576.1	528.8	510.2	506.5
72.5°	523.2	524.1	516.7	506.5	502.7	489.7	476.7	448.8	420.0	400.5	402.4
75°	406.1	407.9	412.6	408.9	398.7	384.7	370.8	335.5	312.2	293.6	289.9
77.5°	237.0	246.3	261.1	257.4	259.3	239.8	234.2	199.8	178.4	165.4	162.6
80°	133.8	139.4	145.9	150.5	145.0	136.6	124.5	105.9	99.4	90.1	88.3
82.5°	80.8	86.4	89.2	92.9	91.1	79.9	70.6	58.5	53.0	48.3	47.4
85°	40.9	44.6	47.4	49.3	43.7	36.2	32.5	26.0	22.3	19.5	19.5
87.5°	10.2	11.2	13.0	11.2	10.2	4.6	3.7	0.9	0.0	0.0	0.0
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)