

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: P632384

Luminaire Tested: GWS-SA2C-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632384
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-SA2C-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7893.2 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

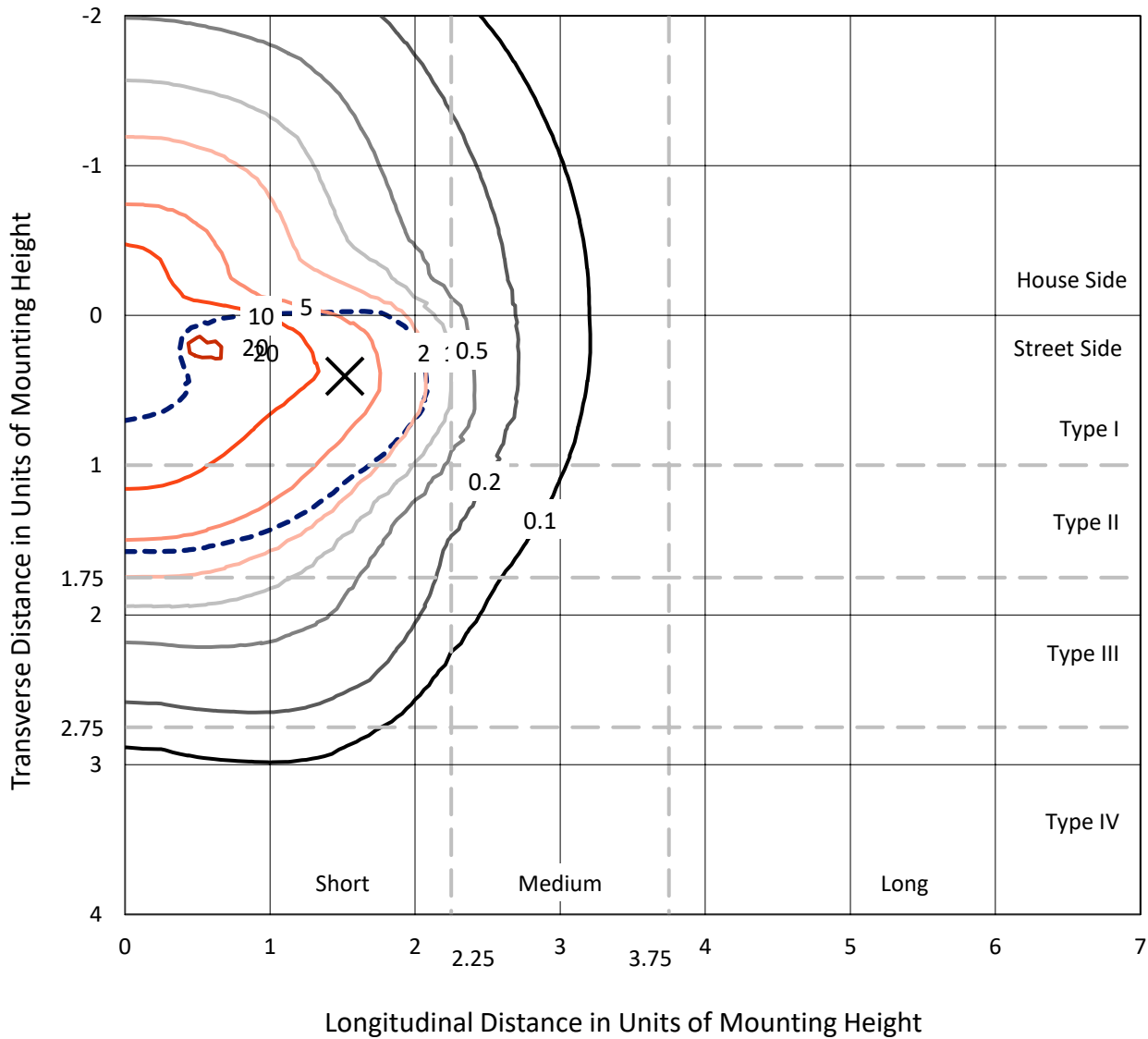
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

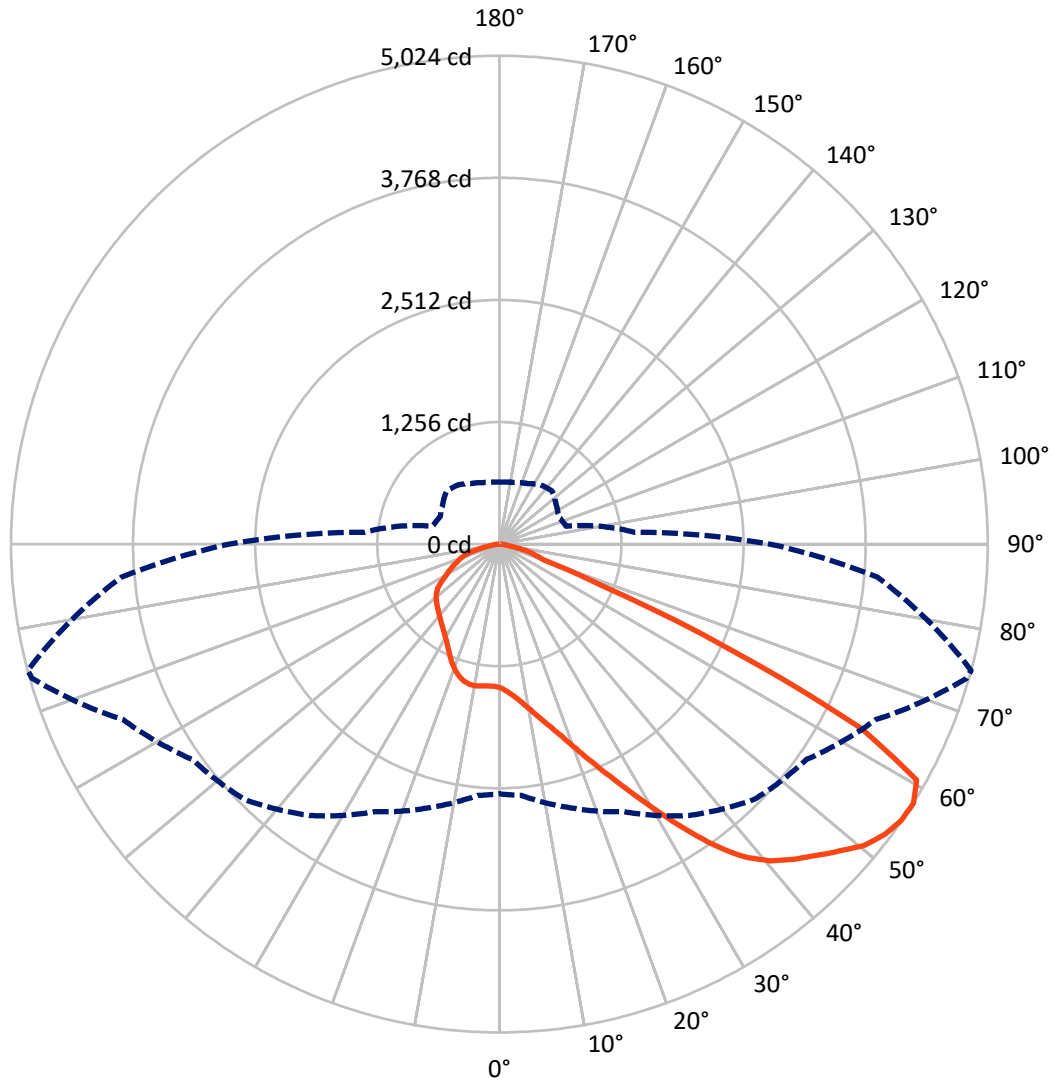
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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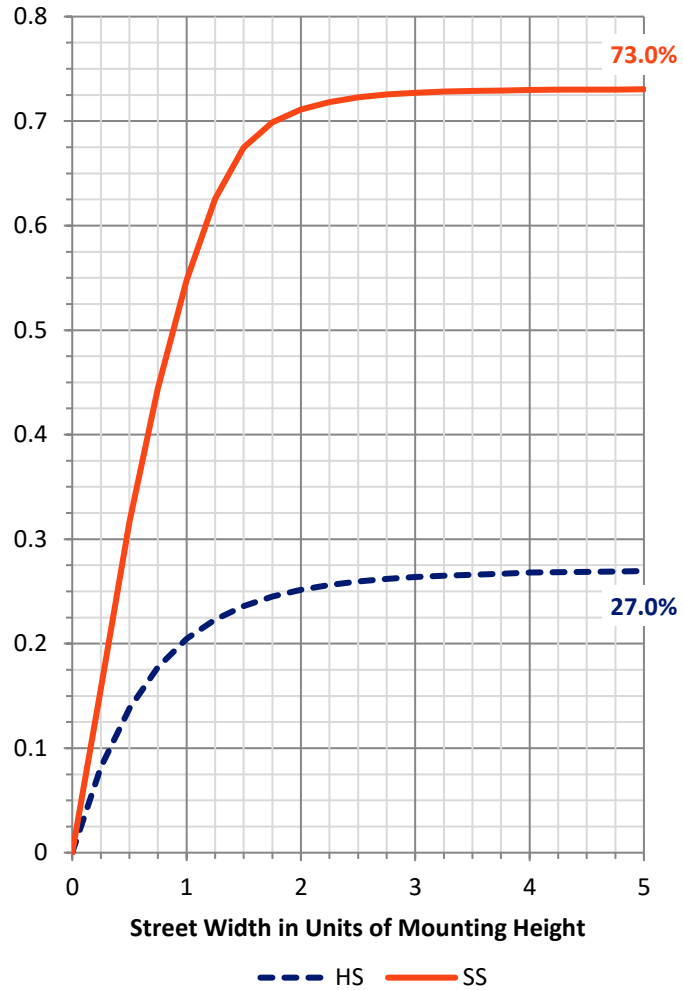
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2135.3	0.0	2135.3
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	5757.9	0.0	5757.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	7893.2	0.0	7893.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	1.9
10°-20°	471.0	6.0
20°-30°	835.2	10.6
30°-40°	1278.6	16.2
40°-50°	1780.3	22.6
50°-60°	2039.9	25.8
60°-70°	1048.1	13.3
70°-80°	263.9	3.3
80°-90°	28.2	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°	7893.2	100.0
0°-180°	7893.2	100.0

Coefficient of Utilization



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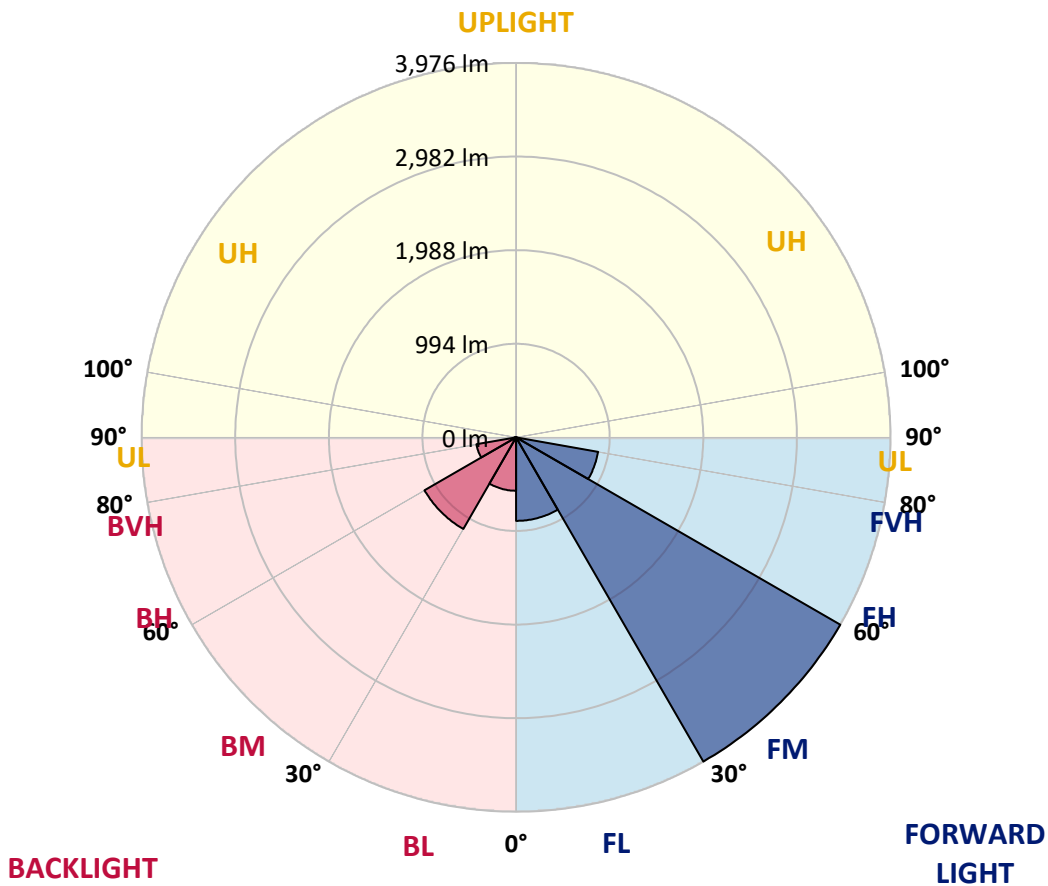
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.9	11.2			
FM (30°-60°)	3975.9	50.4			
FH (60°-80°)	884.7	11.2			G1/1800
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	567.3	7.2	B2/1000		
BM (30°-60°)	1123.0	14.2	B2/2500		
BH (60°-80°)	427.3	5.4	B1/500		G1/500
BVH (80°-90°)	17.8	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°	55°	65°	74°	75°	85°
0°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2
2.5°	1588.2	1592.2	1588.2	1594.9	1581.4	1575.3	1560.3	1537.9	1520.3	1517.6	1497.9
5°	1711.7	1720.5	1715.1	1712.4	1694.0	1680.5	1658.1	1613.3	1576.6	1571.2	1532.5
7.5°	1791.1	1797.2	1797.2	1799.2	1792.4	1776.8	1753.1	1700.1	1648.6	1640.4	1582.0
10°	1817.6	1822.3	1831.1	1848.1	1861.7	1866.4	1850.8	1799.9	1736.8	1728.6	1647.2
12.5°	1823.7	1829.1	1842.7	1873.9	1911.2	1945.2	1947.9	1910.5	1840.0	1831.1	1722.5
15°	1835.2	1840.6	1859.0	1897.6	1952.6	2017.8	2057.8	2032.0	1954.0	1944.5	1808.1
17.5°	1833.8	1840.0	1867.1	1918.7	1992.7	2087.0	2164.4	2175.2	2094.5	2078.2	1905.1
20°	1830.5	1835.9	1865.1	1928.2	2019.8	2149.4	2289.3	2345.6	2258.7	2243.8	2018.5
22.5°	1857.6	1863.7	1886.1	1938.4	2034.1	2197.6	2404.6	2540.4	2453.5	2432.5	2148.8
25°	1918.7	1927.5	1941.1	1977.1	2059.9	2240.4	2522.7	2760.9	2672.0	2646.9	2290.6
27.5°	2013.0	2023.9	2042.9	2059.9	2117.5	2294.7	2640.1	3008.0	2919.1	2892.6	2440.6
30°	2128.4	2142.7	2167.1	2178.6	2218.0	2374.8	2767.7	3262.5	3210.9	3174.3	2609.6
32.5°	2287.9	2307.6	2330.7	2334.0	2357.8	2496.3	2894.0	3515.0	3514.3	3488.5	2801.7
35°	2495.6	2516.6	2521.4	2526.1	2537.7	2663.2	3046.7	3745.1	3834.0	3804.1	3010.7
37.5°	2722.3	2752.8	2760.3	2739.2	2755.5	2864.1	3218.4	3929.7	4112.2	4080.3	3213.0
40°	2964.6	2976.8	2997.1	2963.9	2984.2	3094.2	3386.7	4047.8	4319.9	4286.0	3372.5
42.5°	3138.3	3160.7	3191.2	3179.0	3190.6	3291.0	3504.8	4104.8	4467.9	4433.9	3487.2
45°	3327.0	3333.8	3353.5	3350.7	3357.5	3451.2	3589.6	4129.9	4600.2	4569.7	3584.9
47.5°	3491.2	3501.4	3514.3	3499.4	3484.4	3545.5	3658.9	4151.6	4752.9	4716.3	3687.4
50°	3649.4	3658.2	3673.8	3630.4	3574.7	3590.3	3692.8	4181.5	4896.1	4870.3	3768.1
52.5°	3678.5	3688.1	3761.4	3770.2	3698.9	3643.9	3752.5	4247.3	4980.3	4964.0	3797.3
55°	3311.4	3328.3	3474.3	3641.9	3817.7	3800.0	3848.2	4281.9	5013.6	5017.6	3849.6
57.5°	2570.2	2594.7	2807.8	3037.9	3407.7	3713.8	3860.4	4273.1	5002.0	5024.4	3903.2
60°	1685.9	1700.1	1952.6	2210.5	2594.0	3017.5	3455.3	4114.3	4899.5	4931.4	3889.6
62.5°	1018.0	1034.3	1237.3	1432.7	1658.7	1941.8	2343.5	3306.6	4106.8	4178.1	3115.2
65°	710.6	732.3	910.1	1071.0	1149.0	1090.7	1187.0	1846.7	2558.7	2588.6	1903.8
67.5°	515.1	530.1	676.0	867.4	953.6	770.3	587.1	817.8	1114.4	1125.3	785.3
70°	337.3	354.3	486.6	660.4	778.5	624.4	439.1	442.5	469.0	474.4	456.1
72.5°	185.3	195.5	300.7	438.4	460.2	373.3	342.7	367.9	386.2	386.2	390.9
75°	95.7	104.5	122.8	144.6	174.4	204.3	247.0	284.4	304.1	305.4	303.4
77.5°	48.9	52.3	65.8	71.3	78.1	90.9	118.1	151.3	169.0	175.8	174.4
80°	23.1	24.4	27.8	32.6	40.0	50.9	63.8	76.0	86.9	88.2	95.7
82.5°	12.2	13.6	14.9	17.6	21.7	27.1	37.3	44.8	51.6	52.9	59.0
85°	4.8	5.4	6.1	6.8	9.5	11.5	15.6	21.0	25.8	25.8	30.5
87.5°	0.0	0.0	0.0	0.0	0.7	1.4	2.7	3.4	4.8	4.8	8.1
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°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2
2.5°	1493.1	1473.5	1464.6	1450.4	1438.8	1425.9	1415.8	1408.3	1403.5	1400.8	1398.1
5°	1517.6	1487.7	1464.0	1435.4	1415.8	1396.8	1381.2	1370.3	1364.9	1360.8	1358.1
7.5°	1555.6	1515.5	1470.7	1426.6	1392.0	1361.5	1341.8	1330.3	1322.8	1320.1	1318.0
10°	1607.8	1552.2	1478.2	1408.3	1356.7	1323.5	1309.9	1304.5	1305.1	1303.8	1303.1
12.5°	1666.9	1590.9	1476.2	1375.7	1318.7	1299.0	1299.7	1308.5	1318.7	1321.4	1322.1
15°	1730.7	1628.9	1456.5	1333.6	1288.8	1290.9	1308.5	1329.6	1348.6	1356.0	1357.4
17.5°	1799.9	1660.8	1420.5	1287.5	1264.4	1286.1	1318.7	1353.3	1381.2	1393.4	1396.8
20°	1877.3	1687.9	1369.6	1242.0	1241.3	1277.3	1324.8	1370.3	1405.6	1421.9	1424.6
22.5°	1959.4	1704.9	1307.2	1199.9	1217.6	1265.8	1320.1	1367.6	1404.9	1421.2	1424.6
25°	2042.2	1710.3	1238.6	1161.3	1193.2	1247.4	1297.0	1335.0	1370.3	1384.5	1387.3
27.5°	2119.6	1694.7	1173.5	1128.0	1170.8	1220.3	1253.6	1273.9	1298.4	1309.2	1311.2
30°	2198.3	1663.5	1118.5	1101.5	1145.6	1183.0	1197.9	1199.3	1208.8	1208.8	1210.1
32.5°	2277.7	1617.3	1070.3	1075.7	1114.4	1138.9	1140.9	1125.3	1113.7	1094.7	1094.1
35°	2369.3	1570.5	1030.9	1046.6	1077.8	1092.7	1086.6	1056.7	1028.9	997.7	996.3
37.5°	2454.2	1522.3	997.7	1016.7	1036.4	1047.2	1033.0	997.0	973.9	942.0	937.3
40°	2524.1	1478.9	965.8	985.5	995.0	1004.5	981.4	952.2	955.6	938.0	937.3
42.5°	2564.8	1436.8	935.9	950.9	957.0	963.8	943.4	921.7	940.0	926.4	927.1
45°	2594.7	1400.2	908.8	914.2	929.1	939.3	920.3	895.9	900.0	847.7	835.5
47.5°	2628.6	1379.8	883.0	877.6	904.0	921.7	892.5	857.2	832.8	781.2	776.4
50°	2664.6	1372.3	855.8	840.9	872.8	889.8	855.8	811.7	779.8	752.0	749.3
52.5°	2676.8	1371.7	821.9	796.8	828.7	852.4	823.9	779.1	741.1	714.0	712.6
55°	2725.0	1391.3	778.5	736.4	766.3	815.1	794.1	729.6	699.1	686.8	685.5
57.5°	2781.3	1394.7	709.9	670.6	712.0	769.6	743.2	687.5	654.3	639.3	638.0
60°	2758.2	1311.2	636.6	620.3	665.8	726.9	702.5	654.3	615.6	601.3	600.0
62.5°	2101.9	925.7	583.0	576.9	616.3	665.1	660.4	610.2	573.5	563.3	562.0
65°	1264.4	650.2	531.4	530.7	558.6	605.4	611.5	570.8	532.1	517.8	517.8
67.5°	625.1	497.5	473.1	469.7	487.3	520.6	546.4	513.1	480.5	466.9	464.9
70°	441.8	438.4	430.3	420.8	424.2	437.8	448.6	420.8	386.2	372.6	369.9
72.5°	382.1	382.8	377.4	369.9	367.2	357.7	348.2	327.8	306.8	292.5	293.9
75°	296.6	297.9	301.3	298.6	291.2	281.0	270.8	245.0	228.0	214.5	211.8
77.5°	173.1	179.9	190.7	188.0	189.4	175.1	171.0	145.9	130.3	120.8	118.8
80°	97.7	101.8	106.6	109.9	105.9	99.8	90.9	77.4	72.6	65.8	64.5
82.5°	59.0	63.1	65.2	67.9	66.5	58.4	51.6	42.8	38.7	35.3	34.6
85°	29.9	32.6	34.6	36.0	31.9	26.5	23.8	19.0	16.3	14.3	14.3
87.5°	7.5	8.1	9.5	8.1	7.5	3.4	2.7	0.7	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)