

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: P630901

Luminaire Tested: GWS-SA1E-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7690.4 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

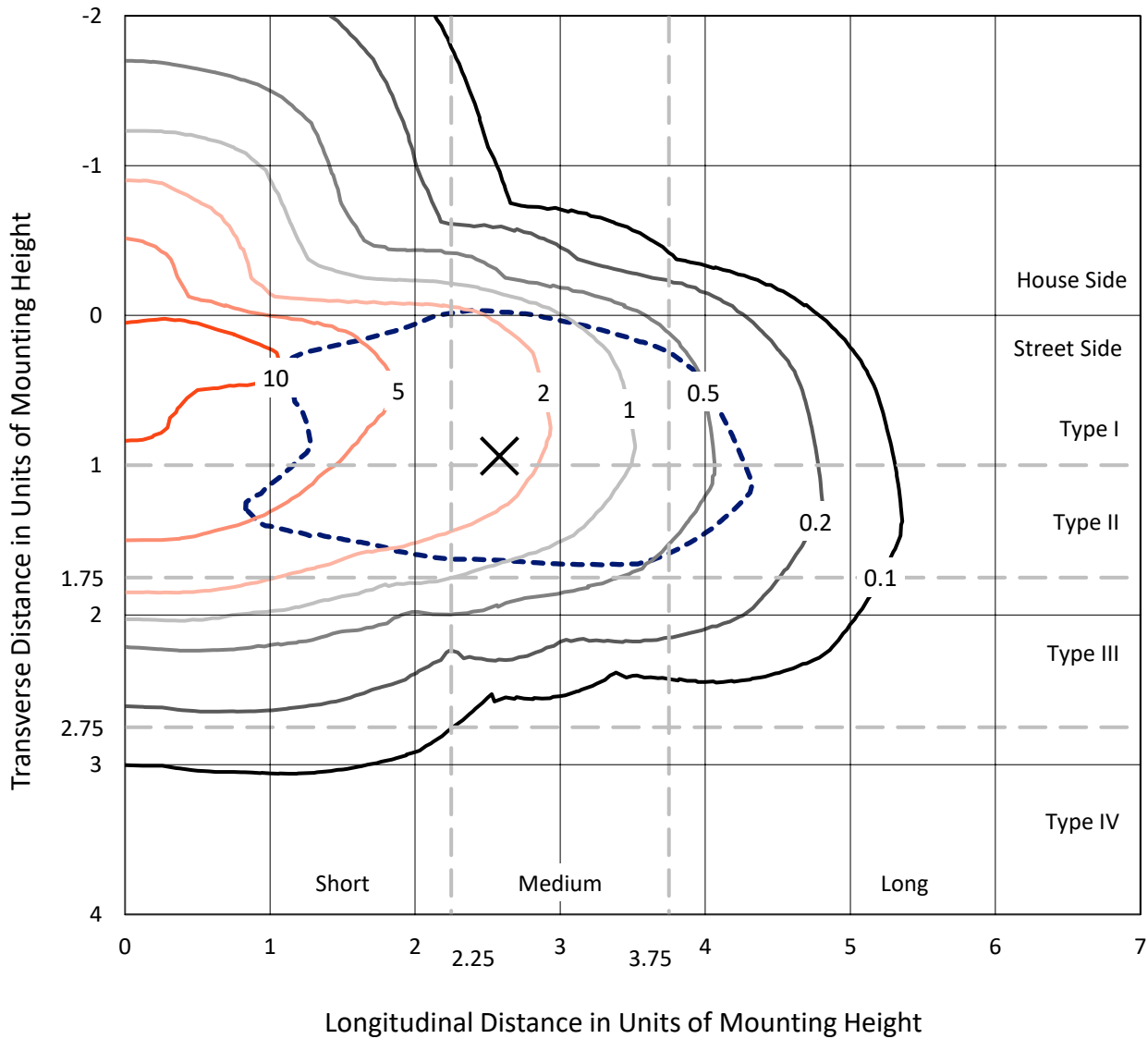
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

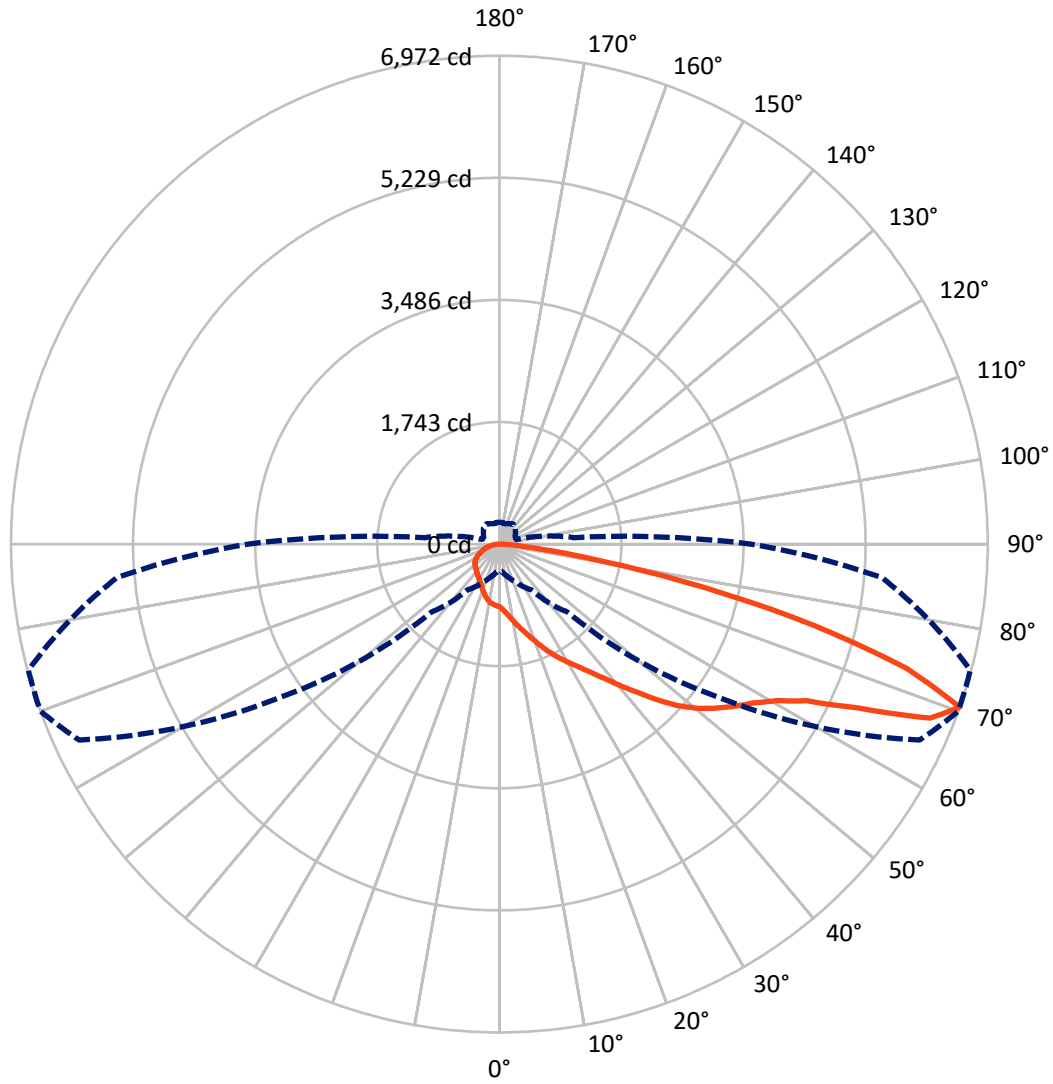
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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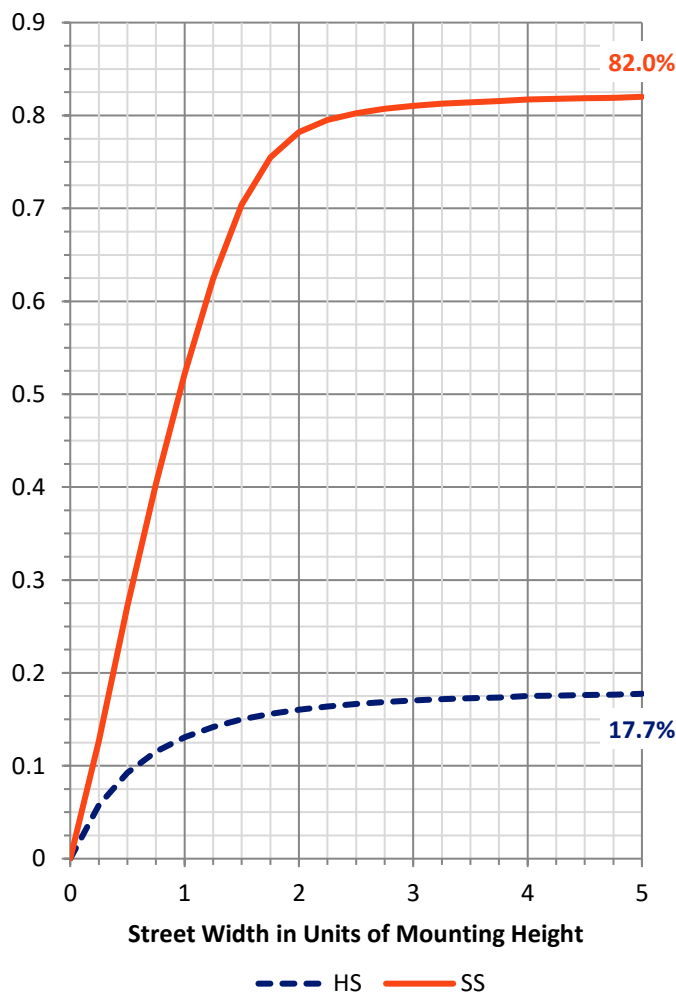
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1378.1	0.0	1378.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	6312.3	0.0	6312.3
	% Fixture	82.1	0.0	82.1
Total	Lumens	7690.4	0.0	7690.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	1.2
10°-20°	296.5	3.9
20°-30°	525.3	6.8
30°-40°	790.6	10.3
40°-50°	1196.1	15.6
50°-60°	1713.5	22.3
60°-70°	1894.0	24.6
70°-80°	1068.9	13.9
80°-90°	114.3	1.5
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°	7690.4	100.0
0°-180°	7690.4	100.0

Coefficient of Utilization



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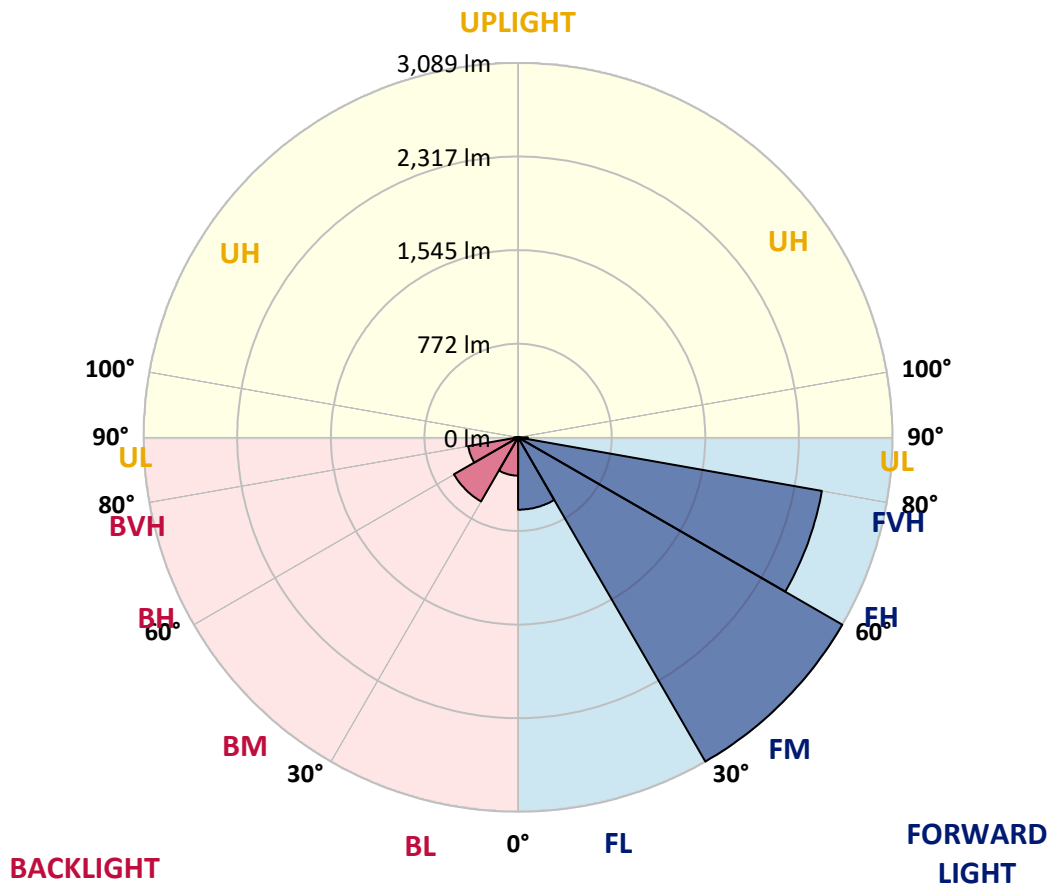
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.0	7.8			
FM (30°-60°)	3089.2	40.2			
FH (60°-80°)	2545.2	33.1			G2/5000
FVH (80°-90°)	80.8	1.1			G1/100
BL (0°-30°)	316.0	4.1	B1/500		
BM (30°-60°)	610.9	7.9	B1/1000		
BH (60°-80°)	417.7	5.4	B1/500		G1/500
BVH (80°-90°)	33.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9
2.5°	993.5	991.9	993.0	991.9	985.8	970.8	958.5	943.0	932.4	926.3	911.9
5°	1110.2	1108.6	1104.7	1099.1	1088.0	1067.5	1036.9	1003.0	982.4	966.9	936.3
7.5°	1194.1	1194.1	1193.6	1186.9	1179.1	1157.5	1121.4	1076.9	1046.9	1020.2	970.2
10°	1236.9	1239.7	1243.6	1253.0	1251.4	1239.7	1205.8	1158.0	1120.2	1089.1	1014.7
12.5°	1260.3	1261.9	1268.6	1288.1	1308.1	1310.8	1290.8	1240.8	1199.7	1158.0	1064.1
15°	1290.3	1290.8	1299.7	1323.1	1352.5	1382.0	1377.0	1327.0	1284.7	1238.6	1119.1
17.5°	1313.6	1317.5	1333.6	1360.8	1397.5	1438.1	1462.5	1431.4	1379.2	1326.4	1179.1
20°	1322.0	1324.7	1345.8	1387.5	1437.5	1494.8	1549.2	1540.9	1488.1	1425.9	1246.9
22.5°	1352.0	1352.0	1367.5	1402.5	1461.4	1544.8	1633.1	1654.8	1608.1	1535.3	1319.7
25°	1418.1	1415.9	1423.1	1437.5	1482.0	1584.8	1715.9	1780.9	1728.7	1647.0	1392.5
27.5°	1508.7	1507.5	1507.0	1509.2	1524.2	1619.8	1785.9	1898.7	1846.5	1754.3	1457.5
30°	1607.0	1603.7	1610.9	1604.2	1600.9	1661.5	1845.4	2004.3	1963.8	1860.4	1511.4
32.5°	1740.9	1734.8	1733.2	1711.5	1698.1	1726.5	1893.2	2124.3	2092.1	1974.9	1572.0
35°	1917.6	1912.1	1883.7	1849.3	1809.8	1823.2	1952.6	2241.6	2243.8	2118.2	1651.5
37.5°	2096.0	2097.1	2074.9	1993.8	1953.2	1945.4	2043.2	2384.4	2432.2	2289.4	1754.3
40°	2244.4	2251.0	2251.0	2165.5	2104.9	2097.7	2170.5	2553.9	2648.9	2499.4	1884.3
42.5°	2357.2	2363.3	2382.7	2321.1	2257.2	2282.2	2324.9	2723.9	2894.5	2758.9	2048.8
45°	2481.1	2486.1	2496.6	2461.1	2423.9	2490.5	2500.0	2927.3	3175.7	3050.1	2239.9
47.5°	2645.6	2641.1	2642.2	2616.1	2587.2	2695.0	2692.8	3098.4	3447.4	3369.1	2447.2
50°	2850.1	2858.4	2850.6	2798.9	2765.0	2863.4	2876.2	3287.9	3686.3	3684.7	2656.1
52.5°	3046.8	3050.1	3091.2	3093.4	3024.0	3003.4	3036.8	3479.1	3888.1	3973.6	2856.7
55°	3056.8	3069.6	3192.9	3281.8	3394.1	3229.0	3199.0	3661.3	4083.1	4256.5	3065.1
57.5°	2843.9	2864.5	3074.0	3265.7	3578.0	3616.3	3476.9	3897.0	4278.1	4534.9	3306.3
60°	2389.4	2432.2	2716.7	3010.1	3495.2	3894.7	4045.3	4217.0	4534.3	4819.4	3599.1
62.5°	1525.9	1542.6	1941.5	2432.7	3122.3	3867.5	4664.3	4781.0	4924.4	5190.0	4050.3
65°	764.1	817.4	1051.3	1452.0	2251.6	3408.0	4977.2	5814.0	5638.4	5824.6	4781.6
67.5°	518.4	535.7	654.0	872.4	1320.3	2414.4	4783.3	6684.2	6632.5	6663.1	5561.2
70°	382.3	393.4	486.8	617.9	798.5	1370.9	3808.0	6618.6	6971.5	6960.4	5479.5
72.5°	278.9	284.5	355.1	471.8	591.8	709.0	2325.5	5346.7	6085.8	6406.4	4792.1
75°	202.8	209.5	246.7	352.9	460.1	442.3	1148.0	3861.9	4641.0	5257.8	3904.2
77.5°	151.1	159.5	176.7	221.2	322.3	316.7	496.2	2507.8	3001.8	3434.1	2371.6
80°	108.9	110.6	120.6	141.7	204.5	185.6	236.2	1307.5	1499.2	1642.6	929.6
82.5°	66.1	67.8	80.6	87.2	126.7	116.7	122.8	423.4	606.8	644.0	347.3
85°	19.4	20.6	36.7	40.0	52.8	50.0	49.5	172.3	205.6	262.8	136.7
87.5°	0.0	0.0	0.0	0.0	0.6	3.3	6.1	30.6	46.1	63.9	33.3
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°	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9
2.5°	906.3	893.5	886.9	875.2	866.9	858.5	850.2	842.4	839.1	834.1	835.2
5°	922.4	902.4	882.4	859.6	840.2	824.1	809.6	796.8	791.3	786.3	788.5
7.5°	946.9	916.9	878.5	836.8	806.3	784.1	769.1	760.2	757.4	753.5	753.5
10°	978.0	933.0	865.7	806.3	769.6	751.8	745.2	744.6	747.4	747.9	746.8
12.5°	1012.4	948.5	846.8	770.2	739.0	733.5	738.5	747.9	757.4	762.4	761.3
15°	1048.0	958.5	814.6	735.7	716.8	724.0	740.2	759.1	777.4	786.8	786.3
17.5°	1081.3	960.8	772.9	702.4	697.4	715.7	743.5	772.9	797.9	811.3	811.8
20°	1118.6	956.9	730.2	672.4	677.9	707.9	744.6	780.2	809.6	823.0	826.3
22.5°	1152.5	943.5	688.5	644.0	661.3	698.5	735.7	769.1	795.2	808.0	812.4
25°	1183.0	918.0	642.9	620.1	648.5	685.1	713.5	736.8	755.2	762.9	769.1
27.5°	1199.7	879.6	608.5	601.2	636.2	666.3	681.8	689.0	695.1	692.9	697.4
30°	1203.0	831.8	578.5	586.2	617.9	640.1	643.5	636.2	625.7	608.5	612.4
32.5°	1199.7	776.8	553.5	570.1	597.4	610.7	606.2	587.3	561.8	535.1	536.8
35°	1200.8	721.3	532.9	552.3	573.5	580.7	569.6	543.5	516.2	491.8	490.7
37.5°	1213.0	674.6	515.7	535.1	550.1	551.2	539.0	511.8	497.9	479.5	477.3
40°	1246.9	640.1	500.1	517.9	527.3	526.8	512.9	493.4	502.9	496.8	495.1
42.5°	1302.5	619.0	487.3	499.6	506.2	507.3	496.2	484.0	504.6	496.8	494.0
45°	1392.0	617.9	478.4	481.2	491.8	499.6	491.8	477.9	485.7	447.9	440.7
47.5°	1498.1	636.8	471.8	465.1	483.4	497.3	485.1	462.9	446.8	412.3	407.3
50°	1625.9	675.1	465.7	447.9	471.2	489.0	476.8	446.2	421.8	403.4	400.6
52.5°	1777.6	725.7	457.9	428.4	452.9	484.5	476.8	444.5	412.3	395.6	392.9
55°	1936.5	784.1	449.0	405.1	432.3	485.7	480.7	432.9	405.1	396.2	394.0
57.5°	2133.8	854.1	432.9	377.9	414.0	475.7	465.1	426.2	400.1	392.9	390.6
60°	2390.0	958.0	402.3	350.1	392.9	457.9	451.2	415.1	386.7	380.6	379.0
62.5°	2795.6	1134.1	365.1	323.4	367.9	420.6	430.6	394.0	370.1	369.5	369.0
65°	3456.9	1345.8	321.2	299.5	341.7	390.1	403.4	372.3	352.9	359.0	358.4
67.5°	3920.3	1364.2	285.1	274.5	311.2	356.7	376.2	350.1	329.0	340.6	340.1
70°	3590.8	1064.1	253.9	248.4	278.4	320.6	346.7	322.3	301.2	312.3	310.1
72.5°	3028.4	815.7	224.5	221.2	245.1	282.8	309.0	294.5	272.3	272.3	267.3
75°	2433.9	672.9	193.4	191.7	207.8	244.5	273.9	249.5	228.9	227.8	224.5
77.5°	1395.9	441.2	162.3	161.1	166.1	204.5	212.8	207.8	192.3	185.0	182.8
80°	556.2	229.5	127.8	120.6	125.6	150.0	167.8	159.5	146.1	137.3	132.3
82.5°	215.6	115.0	90.0	78.9	86.1	108.4	121.7	118.9	110.0	90.0	84.5
85°	87.8	56.1	53.9	45.6	50.0	58.3	70.0	60.6	50.0	35.6	33.9
87.5°	23.3	20.6	20.0	12.2	9.4	2.8	0.6	0.0	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)