

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: P630791

Luminaire Tested: GWS-SA1E-735-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630791
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-735-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7415.1 lumens
Efficiency: N/A
Efficacy: 127.0 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

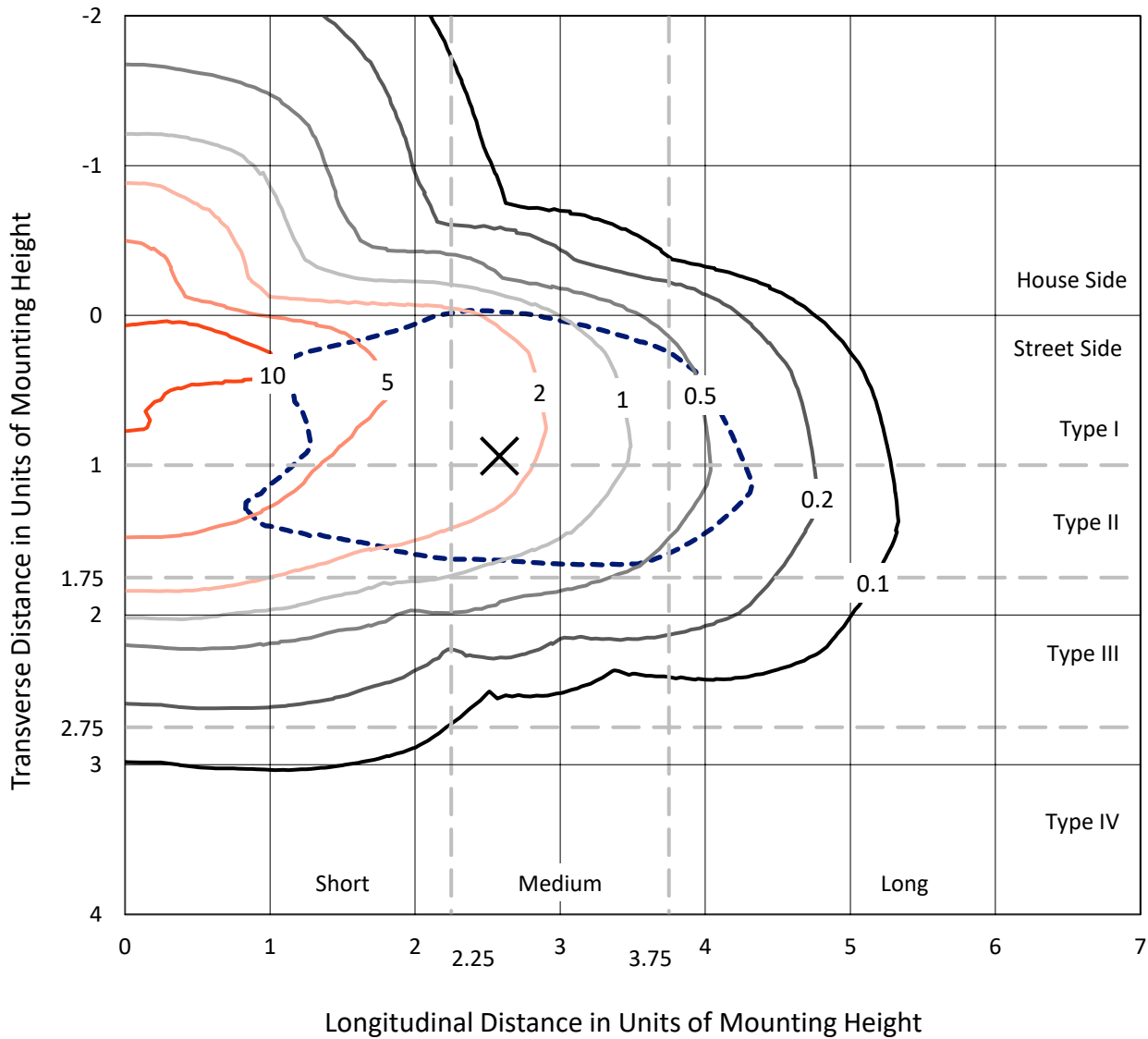
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

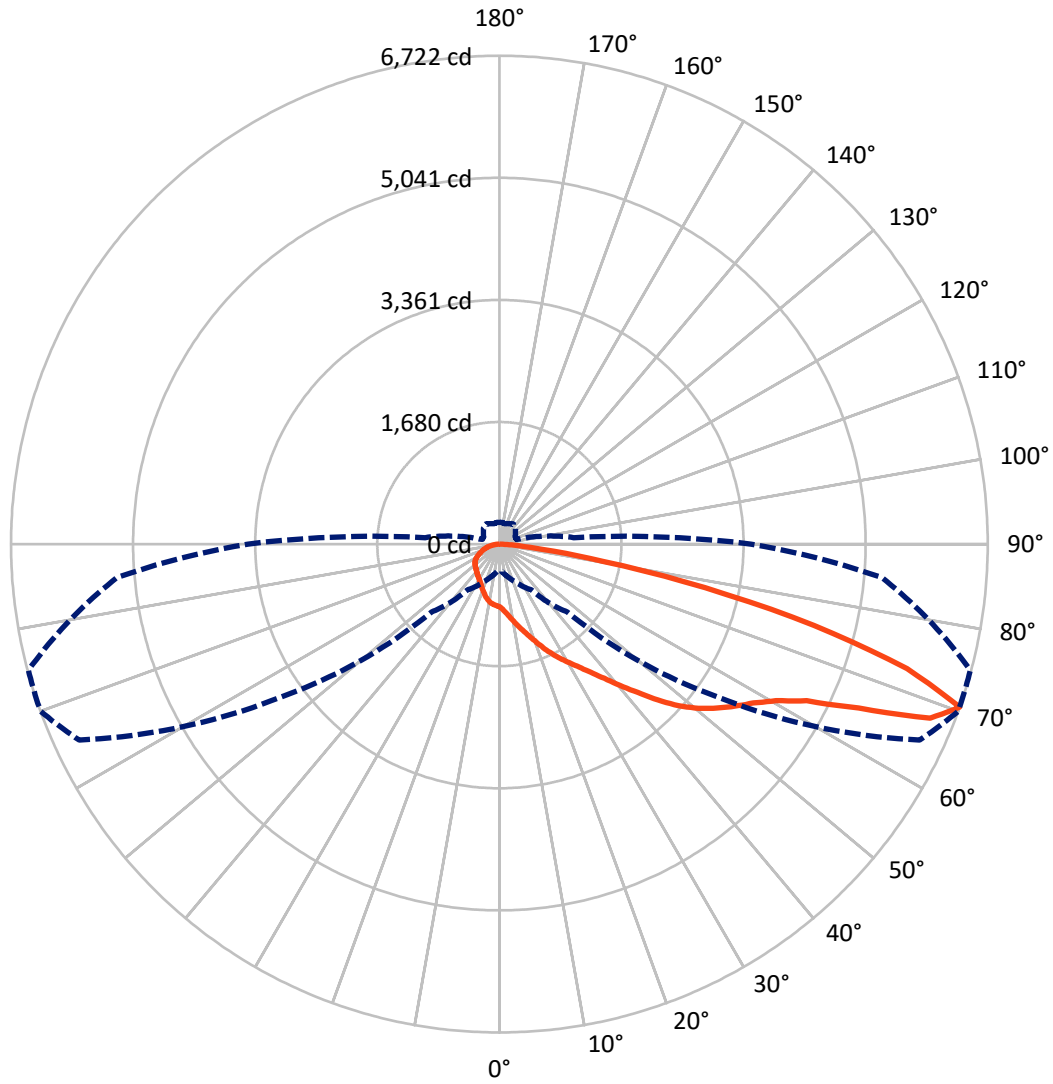
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 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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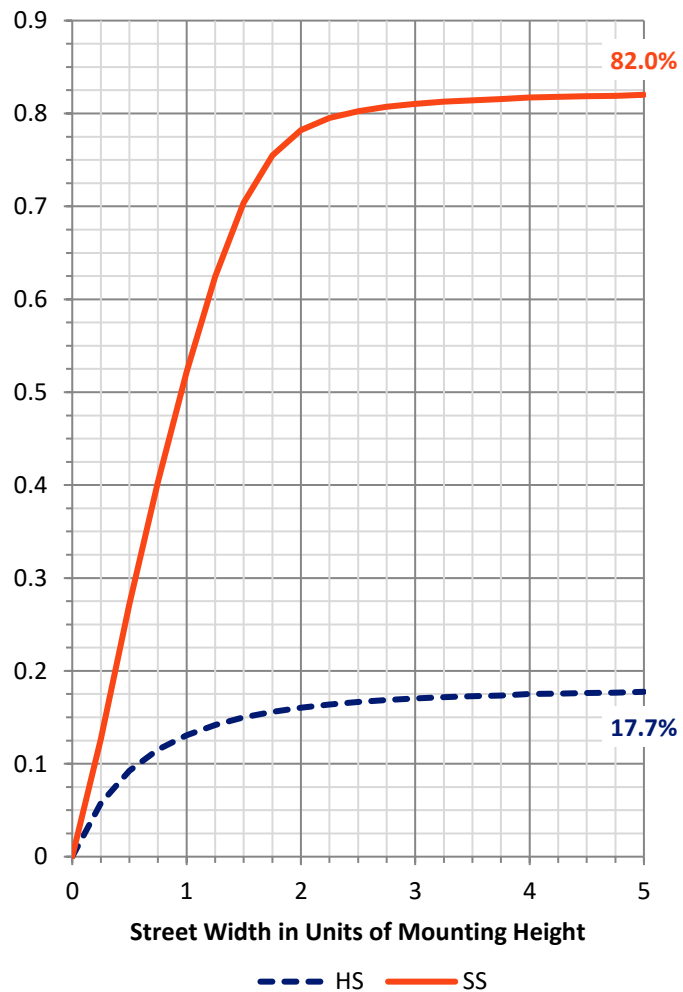
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1328.8	0.0	1328.8
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	6086.3	0.0	6086.3
	% Fixture	82.1	0.0	82.1
Total	Lumens	7415.1	0.0	7415.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.2
10°-20°	285.9	3.9
20°-30°	506.5	6.8
30°-40°	762.3	10.3
40°-50°	1153.3	15.6
50°-60°	1652.1	22.3
60°-70°	1826.2	24.6
70°-80°	1030.6	13.9
80°-90°	110.2	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°	7415.1	100.0
0°-180°	7415.1	100.0

Coefficient of Utilization



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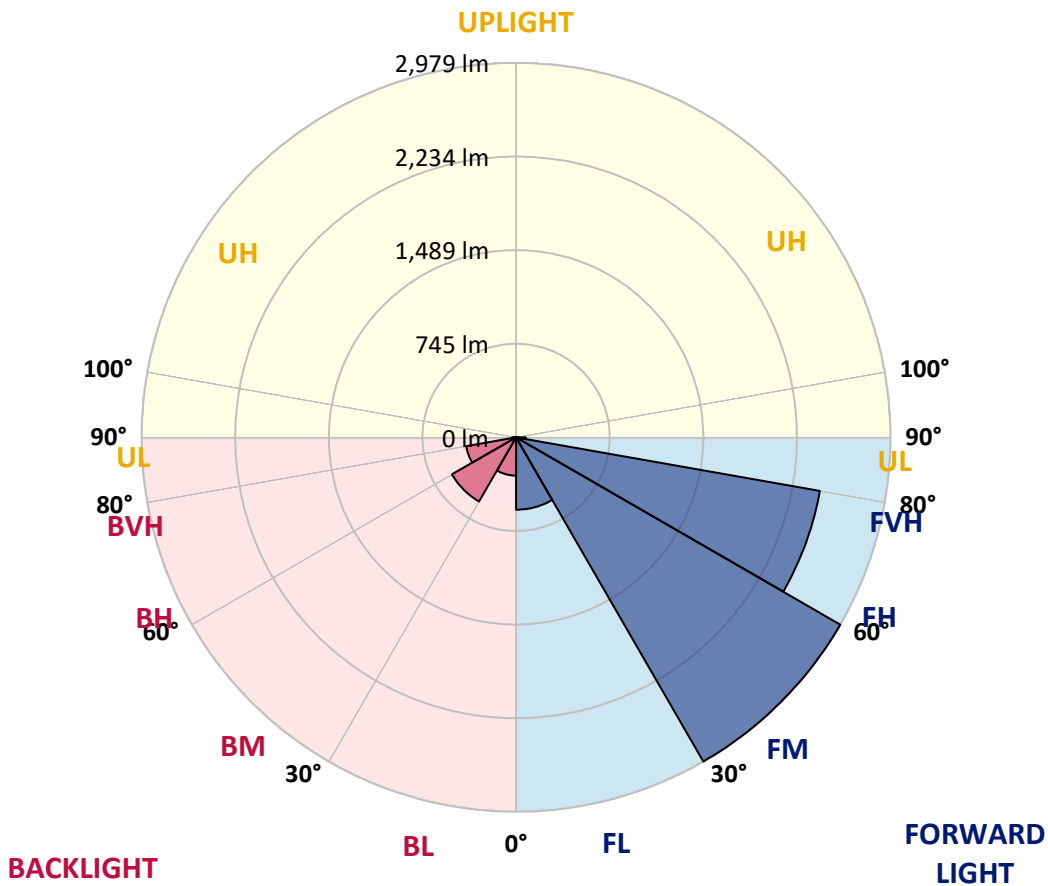
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.6	7.8			
FM (30°-60°)	2978.6	40.2			
FH (60°-80°)	2454.1	33.1			G2/5000
FVH (80°-90°)	77.9	1.1			G1/100
BL (0°-30°)	304.7	4.1	B1/500		
BM (30°-60°)	589.1	7.9	B1/1000		
BH (60°-80°)	402.7	5.4	B1/500		G1/500
BVH (80°-90°)	32.3	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°	864.8	864.8	864.8	864.8	864.8	864.8	864.8	864.8	864.8	864.8	864.8
2.5°	958.0	956.4	957.4	956.4	950.5	936.0	924.2	909.2	899.0	893.2	879.2
5°	1070.5	1068.9	1065.1	1059.8	1049.1	1029.2	999.8	967.1	947.3	932.3	902.8
7.5°	1151.4	1151.4	1150.9	1144.4	1136.9	1116.0	1081.2	1038.3	1009.4	983.7	935.5
10°	1192.7	1195.3	1199.1	1208.2	1206.6	1195.3	1162.6	1116.6	1080.1	1050.1	978.3
12.5°	1215.2	1216.8	1223.2	1241.9	1261.2	1263.9	1244.6	1196.4	1156.8	1116.6	1026.0
15°	1244.1	1244.6	1253.2	1275.7	1304.1	1332.5	1327.7	1279.5	1238.7	1194.3	1079.1
17.5°	1266.6	1270.3	1285.9	1312.1	1347.5	1386.6	1410.2	1380.2	1329.8	1278.9	1136.9
20°	1274.6	1277.3	1297.7	1337.9	1386.1	1441.3	1493.8	1485.7	1434.8	1374.8	1202.3
22.5°	1303.6	1303.6	1318.6	1352.3	1409.1	1489.5	1574.7	1595.6	1550.6	1480.4	1272.5
25°	1367.3	1365.2	1372.1	1386.1	1428.9	1528.1	1654.5	1717.2	1666.8	1588.1	1342.7
27.5°	1454.7	1453.6	1453.0	1455.2	1469.7	1561.8	1722.0	1830.8	1780.4	1691.5	1405.4
30°	1549.5	1546.3	1553.2	1546.8	1543.6	1602.0	1779.3	1932.6	1893.5	1793.8	1457.3
32.5°	1678.6	1672.7	1671.1	1650.2	1637.4	1664.7	1825.4	2048.3	2017.2	1904.2	1515.7
35°	1849.0	1843.6	1816.3	1783.1	1745.0	1757.9	1882.7	2161.3	2163.5	2042.4	1592.3
37.5°	2021.0	2022.0	2000.6	1922.4	1883.3	1875.8	1970.1	2299.0	2345.1	2207.4	1691.5
40°	2164.0	2170.5	2170.5	2087.9	2029.5	2022.6	2092.8	2462.5	2554.1	2410.0	1816.8
42.5°	2272.8	2278.7	2297.4	2238.0	2176.4	2200.5	2241.7	2626.4	2790.9	2660.2	1975.4
45°	2392.3	2397.1	2407.3	2373.0	2337.1	2401.4	2410.5	2822.5	3062.0	2940.9	2159.7
47.5°	2550.9	2546.6	2547.6	2522.5	2494.6	2598.5	2596.4	2987.5	3324.0	3248.5	2359.6
50°	2748.0	2756.1	2748.6	2698.7	2666.1	2760.9	2773.2	3170.2	3554.4	3552.8	2561.0
52.5°	2937.7	2940.9	2980.6	2982.7	2915.7	2895.9	2928.1	3354.5	3748.9	3831.4	2754.5
55°	2947.3	2959.7	3078.6	3164.3	3272.6	3113.4	3084.5	3530.3	3936.9	4104.1	2955.4
57.5°	2742.1	2762.0	2964.0	3148.8	3449.9	3486.9	3352.4	3757.4	4125.0	4372.5	3187.9
60°	2303.9	2345.1	2619.4	2902.3	3370.1	3755.3	3900.5	4066.1	4372.0	4646.8	3470.3
62.5°	1471.3	1487.3	1872.0	2345.7	3010.6	3729.1	4497.4	4609.9	4748.1	5004.2	3905.3
65°	736.7	788.1	1013.7	1400.0	2171.0	3286.0	4799.0	5605.9	5436.6	5616.1	4610.4
67.5°	499.9	516.5	630.6	841.2	1273.0	2328.0	4612.0	6444.9	6395.1	6424.6	5362.1
70°	368.6	379.3	469.3	595.8	769.9	1321.8	3671.7	6381.7	6721.9	6711.2	5283.4
72.5°	269.0	274.3	342.4	454.9	570.6	683.7	2242.3	5155.3	5867.9	6177.0	4620.6
75°	195.6	202.0	237.9	340.2	443.6	426.5	1106.9	3723.7	4474.9	5069.6	3764.4
77.5°	145.7	153.8	170.4	213.2	310.8	305.4	478.5	2418.0	2894.3	3311.1	2286.7
80°	105.0	106.6	116.3	136.6	197.2	179.0	227.7	1260.7	1445.5	1583.8	896.4
82.5°	63.8	65.4	77.7	84.1	122.2	112.5	118.4	408.3	585.1	621.0	334.9
85°	18.8	19.8	35.4	38.6	50.9	48.2	47.7	166.1	198.2	253.4	131.8
87.5°	0.0	0.0	0.0	0.0	0.5	3.2	5.9	29.5	44.5	61.6	32.1
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°	864.8	864.8	864.8	864.8	864.8	864.8	864.8	864.8	864.8	864.8	864.8
2.5°	873.9	861.5	855.1	843.9	835.8	827.8	819.7	812.2	809.0	804.2	805.3
5°	889.4	870.1	850.8	828.9	810.1	794.6	780.6	768.3	763.0	758.1	760.3
7.5°	913.0	884.0	847.1	806.9	777.4	756.0	741.5	733.0	730.3	726.5	726.5
10°	943.0	899.6	834.8	777.4	742.1	724.9	718.5	717.9	720.6	721.2	720.1
12.5°	976.2	914.6	816.5	742.6	712.6	707.2	712.1	721.2	730.3	735.1	734.0
15°	1010.5	924.2	785.5	709.4	691.2	698.1	713.7	731.9	749.6	758.7	758.1
17.5°	1042.6	926.4	745.3	677.2	672.4	690.1	716.9	745.3	769.4	782.2	782.8
20°	1078.5	922.6	704.0	648.3	653.7	682.6	717.9	752.2	780.6	793.5	796.7
22.5°	1111.2	909.8	663.8	621.0	637.6	673.5	709.4	741.5	766.7	779.0	783.3
25°	1140.7	885.1	619.9	597.9	625.3	660.6	687.9	710.4	728.1	735.6	741.5
27.5°	1156.8	848.1	586.7	579.7	613.5	642.4	657.4	664.4	670.3	668.1	672.4
30°	1160.0	802.1	557.8	565.3	595.8	617.2	620.4	613.5	603.3	586.7	590.4
32.5°	1156.8	749.0	533.6	549.7	576.0	588.8	584.5	566.3	541.7	516.0	517.6
35°	1157.8	695.4	513.8	532.6	552.9	559.9	549.2	524.0	497.7	474.2	473.1
37.5°	1169.6	650.4	497.2	516.0	530.4	531.5	519.7	493.5	480.1	462.4	460.2
40°	1202.3	617.2	482.2	499.4	508.5	507.9	494.5	475.8	484.9	479.0	477.4
42.5°	1255.9	596.9	469.9	481.7	488.1	489.2	478.5	466.7	486.5	479.0	476.3
45°	1342.1	595.8	461.3	464.0	474.2	481.7	474.2	460.8	468.3	431.8	424.9
47.5°	1444.5	614.0	454.9	448.5	466.1	479.5	467.7	446.3	430.8	397.6	392.7
50°	1567.7	651.0	449.0	431.8	454.3	471.5	459.7	430.2	406.7	389.0	386.3
52.5°	1714.0	699.7	441.5	413.1	436.7	467.2	459.7	428.6	397.6	381.5	378.8
55°	1867.2	756.0	432.9	390.6	416.8	468.3	463.5	417.4	390.6	382.0	379.9
57.5°	2057.4	823.5	417.4	364.3	399.2	458.6	448.5	410.9	385.8	378.8	376.7
60°	2304.4	923.7	387.9	337.5	378.8	441.5	435.1	400.2	372.9	367.0	365.4
62.5°	2695.5	1093.5	352.0	311.8	354.7	405.6	415.2	379.9	356.8	356.3	355.8
65°	3333.1	1297.7	309.7	288.8	329.5	376.1	389.0	359.0	340.2	346.1	345.6
67.5°	3780.0	1315.3	274.9	264.7	300.0	344.0	362.7	337.5	317.2	328.4	327.9
70°	3462.2	1026.0	244.9	239.5	268.4	309.1	334.3	310.8	290.4	301.1	299.0
72.5°	2920.0	786.5	216.5	213.2	236.3	272.7	297.9	284.0	262.5	262.5	257.7
75°	2346.7	648.8	186.5	184.8	200.4	235.7	264.1	240.6	220.7	219.7	216.5
77.5°	1345.9	425.4	156.4	155.4	160.2	197.2	205.2	200.4	185.4	178.4	176.3
80°	536.3	221.3	123.2	116.3	121.1	144.7	161.8	153.8	140.9	132.3	127.5
82.5°	207.9	110.9	86.8	76.1	83.0	104.5	117.3	114.7	106.1	86.8	81.4
85°	84.7	54.1	52.0	43.9	48.2	56.3	67.5	58.4	48.2	34.3	32.7
87.5°	22.5	19.8	19.3	11.8	9.1	2.7	0.5	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)