

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: P630475

Luminaire Tested: GWS-SA1D-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5909.2 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

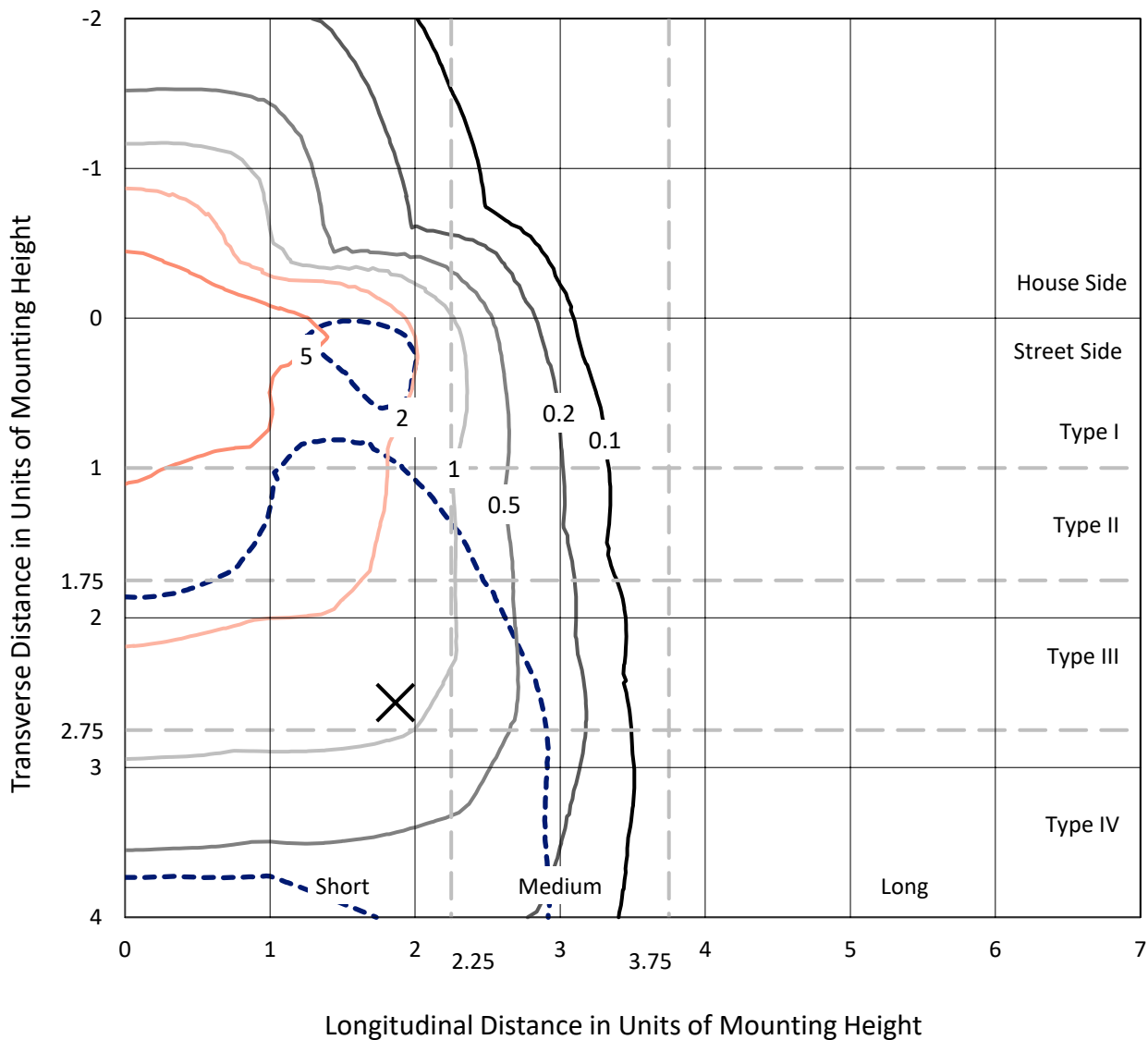
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

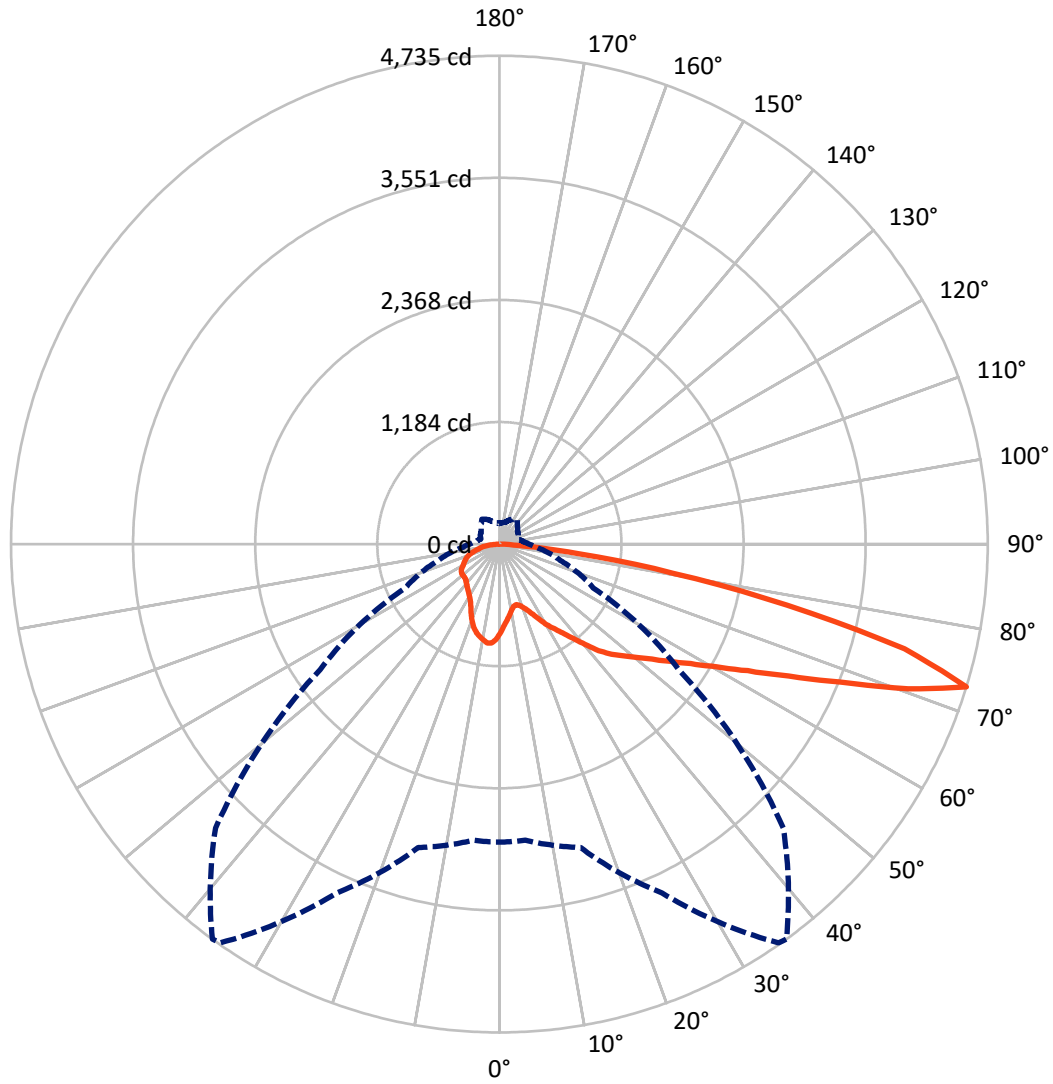
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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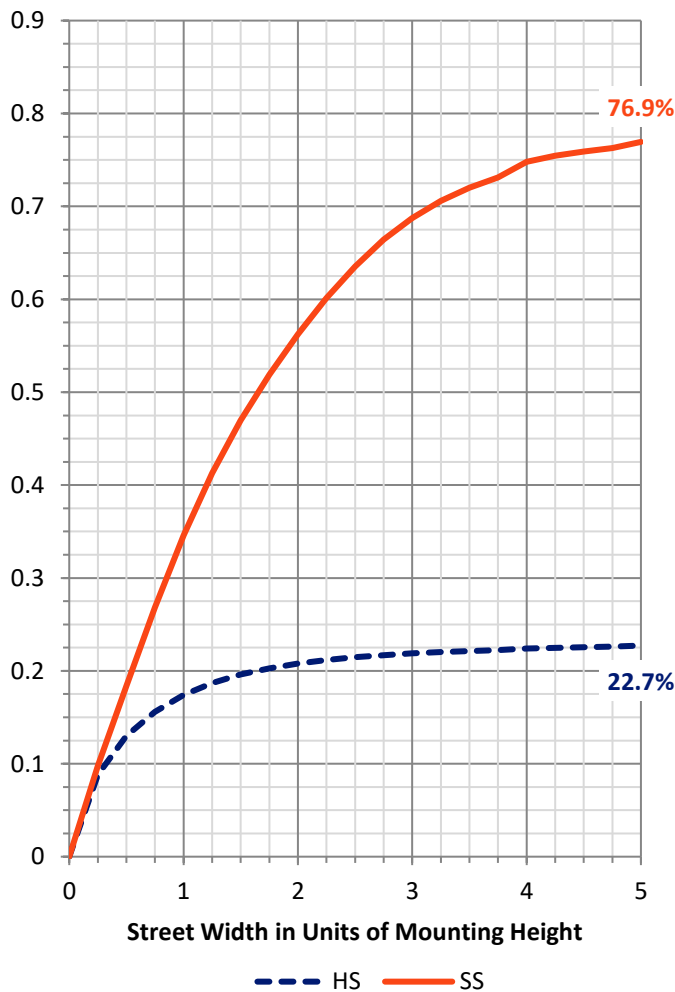
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1362.3	0.0	1362.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	4546.9	0.0	4546.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	5909.2	0.0	5909.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	1.4
10°-20°	228.1	3.9
20°-30°	377.7	6.4
30°-40°	565.7	9.6
40°-50°	825.3	14.0
50°-60°	1174.6	19.9
60°-70°	1484.0	25.1
70°-80°	1057.5	17.9
80°-90°	115.4	2.0
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°	5909.2	100.0
0°-180°	5909.2	100.0

Coefficient of Utilization



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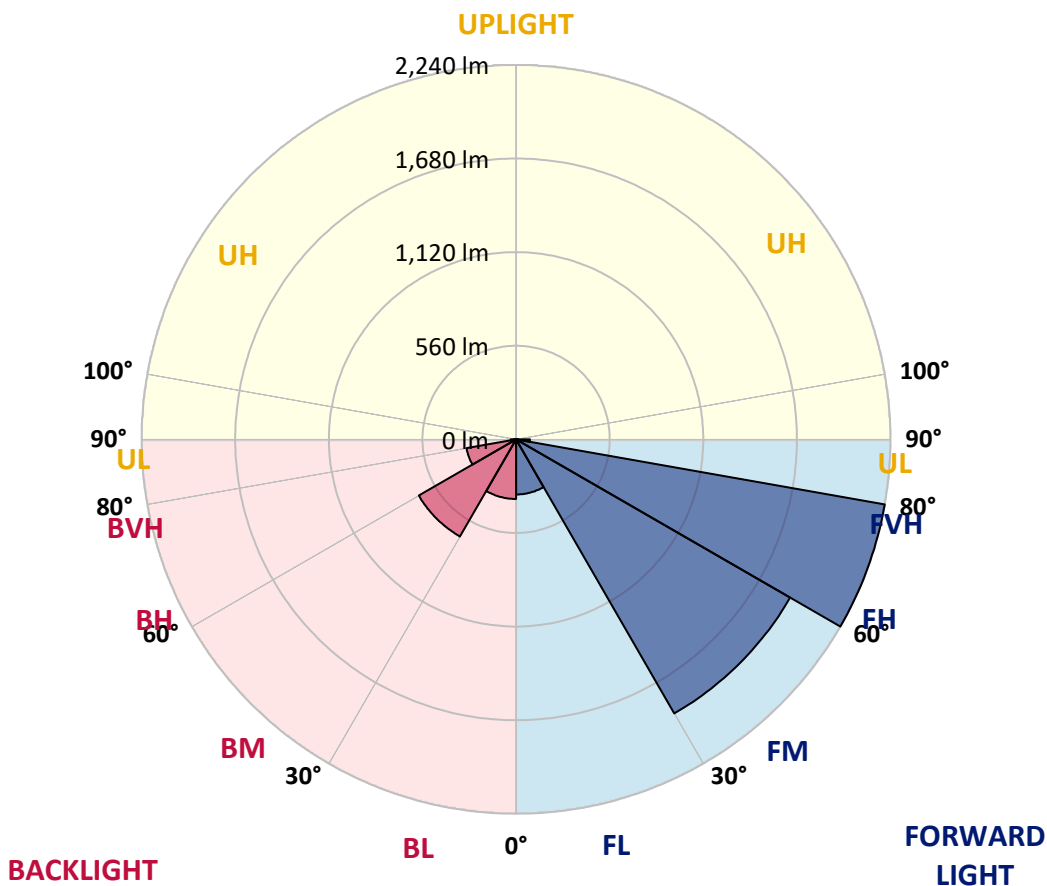
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.9	5.6			
FM (30°-60°)	1893.8	32.0			
FH (60°-80°)	2240.4	37.9			G2/5000
FVH (80°-90°)	82.9	1.4			G1/100
BL (0°-30°)	356.7	6.0	B1/500		
BM (30°-60°)	671.8	11.4	B1/1000		
BH (60°-80°)	301.2	5.1	B1/500		G1/500
BVH (80°-90°)	32.6	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	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°	789.0	787.7	785.0	792.9	800.8	799.9	810.9	821.4	832.8	844.7	860.5
5°	725.8	724.9	722.7	734.6	746.4	746.0	764.0	781.1	804.3	829.8	861.3
7.5°	662.7	660.5	663.5	678.5	695.1	696.9	721.4	749.5	783.3	821.4	866.2
10°	607.0	606.5	607.8	624.5	649.5	651.3	682.8	721.9	766.6	817.5	877.1
12.5°	592.5	591.6	588.1	596.4	615.3	617.9	652.6	700.4	755.2	819.7	892.0
15°	616.2	614.0	601.7	597.8	607.0	609.2	638.5	687.7	748.6	823.6	910.9
17.5°	657.0	655.6	632.4	616.2	622.3	624.1	646.0	685.5	746.9	831.5	934.1
20°	716.6	710.9	674.5	649.9	649.9	652.6	665.7	695.1	749.1	841.2	960.4
22.5°	795.5	784.1	732.8	699.5	690.7	694.2	699.9	719.2	758.3	857.4	993.3
25°	884.1	873.6	812.6	765.7	753.4	754.8	749.9	753.4	778.4	879.7	1034.1
27.5°	978.4	971.4	906.5	846.9	827.6	827.6	810.5	802.1	806.5	905.2	1079.7
30°	1062.6	1053.0	998.2	932.8	907.4	907.4	874.9	856.9	846.4	936.3	1140.7
32.5°	1106.9	1101.2	1064.8	1014.8	983.7	978.9	950.8	929.7	905.2	982.4	1223.1
35°	1164.8	1163.5	1141.6	1102.5	1063.1	1056.0	1036.8	1020.1	977.5	1039.8	1332.8
37.5°	1237.6	1235.4	1231.9	1208.7	1161.3	1160.0	1142.9	1122.7	1067.5	1122.7	1465.7
40°	1319.2	1315.2	1310.9	1310.4	1281.9	1277.1	1275.8	1253.0	1175.8	1222.7	1604.2
42.5°	1431.5	1417.9	1376.6	1395.1	1416.1	1411.7	1428.4	1394.2	1310.9	1341.6	1735.4
45°	1569.6	1536.3	1454.7	1460.0	1513.0	1521.8	1579.7	1571.4	1459.5	1478.8	1873.5
47.5°	1652.5	1623.5	1547.7	1543.3	1609.5	1620.5	1746.3	1762.1	1619.6	1644.2	2044.1
50°	1720.5	1700.3	1638.0	1644.2	1714.3	1725.3	1911.7	1945.4	1770.5	1813.4	2242.4
52.5°	1802.5	1773.5	1725.3	1754.2	1840.2	1853.3	2095.4	2131.8	1906.4	1999.4	2447.6
55°	1848.5	1836.7	1837.6	1881.9	1989.7	2007.7	2288.0	2281.8	2031.0	2158.6	2602.0
57.5°	1954.7	1950.3	1990.6	2007.3	2164.3	2187.5	2480.5	2427.9	2144.1	2281.8	2676.1
60°	2141.9	2131.0	2166.0	2191.5	2380.1	2413.0	2695.4	2570.8	2220.9	2373.5	2651.1
62.5°	2405.1	2391.5	2392.8	2433.1	2669.1	2703.7	2934.4	2690.1	2244.5	2387.5	2492.8
65°	2732.2	2712.5	2690.1	2744.9	3052.8	3081.8	3194.5	2777.0	2188.0	2252.4	2162.1
67.5°	3077.4	3061.1	3034.8	3149.7	3549.7	3567.2	3486.1	2769.5	2008.6	1891.1	1516.5
70°	3097.5	3101.5	3226.0	3641.8	4198.3	4202.7	3762.0	2619.5	1626.6	1225.8	755.6
72.5°	2889.7	2883.1	3045.4	3731.7	4720.2	4735.1	3892.2	2122.2	1005.2	611.4	354.4
75°	2347.2	2358.6	2529.2	3265.1	4045.7	4058.9	3173.0	1251.2	477.6	299.1	226.7
77.5°	1010.4	1074.0	1410.4	2300.2	2897.6	2856.8	1635.4	507.0	254.8	213.1	173.7
80°	291.6	316.6	502.6	1093.8	1736.3	1705.6	647.3	189.9	177.6	160.1	124.6
82.5°	94.3	104.4	184.2	435.5	778.0	777.1	245.6	112.3	116.2	108.8	80.3
85°	26.3	30.3	56.6	132.0	240.8	235.9	71.0	53.1	61.8	62.7	39.9
87.5°	0.0	0.0	0.4	0.9	0.9	0.9	1.8	7.9	18.0	22.8	16.2
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°	870.1	868.8	886.8	900.8	914.0	922.7	925.4	927.1	930.6	932.4	930.6
5°	876.2	882.8	912.6	934.6	952.1	962.6	963.1	962.2	964.8	962.6	961.3
7.5°	889.4	902.1	939.8	963.1	974.5	974.9	964.4	952.1	946.0	940.7	939.0
10°	906.9	925.8	967.0	982.4	978.9	962.6	939.4	920.1	909.1	901.2	899.5
12.5°	931.1	952.1	991.1	990.7	968.8	939.8	912.6	889.4	873.6	864.4	861.3
15°	953.9	980.6	1008.7	988.1	953.4	918.3	883.3	852.1	831.1	816.6	814.0
17.5°	981.9	1010.4	1021.4	979.7	934.1	889.0	842.0	801.2	772.7	755.6	754.3
20°	1014.4	1039.8	1027.5	965.3	909.1	849.9	786.3	740.7	710.0	693.4	694.7
22.5°	1052.1	1070.5	1029.3	945.5	874.5	794.7	723.6	679.8	659.2	650.4	650.8
25°	1092.4	1104.3	1026.2	918.8	821.4	727.1	659.2	639.0	637.2	635.0	635.9
27.5°	1140.3	1137.6	1017.0	881.1	749.9	648.6	614.0	619.2	626.3	625.4	626.3
30°	1204.3	1179.3	1005.2	828.9	664.9	582.8	587.2	602.1	611.4	612.2	614.9
32.5°	1277.5	1225.3	986.3	757.8	583.7	546.0	562.2	580.2	591.2	593.4	596.9
35°	1364.8	1278.0	953.0	669.2	525.4	524.1	539.0	551.3	563.1	564.0	564.0
37.5°	1465.2	1330.6	899.9	571.4	489.4	505.2	519.3	521.9	525.0	522.3	523.6
40°	1557.3	1381.5	824.5	482.4	460.0	488.6	500.4	491.6	482.0	475.4	476.7
42.5°	1634.5	1416.1	724.5	420.1	430.2	473.6	482.9	464.9	446.0	433.7	435.5
45°	1721.3	1448.1	607.0	378.0	404.8	463.1	469.3	446.0	421.9	403.5	400.8
47.5°	1841.1	1513.5	502.6	348.7	386.8	457.4	467.5	435.9	404.4	376.7	373.7
50°	1988.9	1606.0	415.3	329.4	378.5	454.3	467.1	425.0	387.2	354.8	352.6
52.5°	2150.3	1696.3	350.8	314.4	370.1	445.1	464.9	412.7	369.3	334.2	331.6
55°	2257.7	1731.9	307.4	300.4	356.5	430.7	456.1	400.8	342.1	310.1	306.1
57.5°	2289.3	1686.3	277.2	287.7	339.0	410.5	439.4	375.8	325.4	300.0	296.9
60°	2234.9	1571.4	258.3	277.2	319.7	384.6	410.5	361.4	312.3	289.4	287.3
62.5°	2081.4	1394.2	243.8	266.2	300.0	357.4	392.1	343.8	297.8	279.8	276.7
65°	1772.7	1143.3	232.0	254.8	281.1	331.6	371.9	326.3	282.0	268.4	264.9
67.5°	1239.8	803.0	219.3	241.2	262.3	306.6	350.8	310.1	265.8	255.7	252.2
70°	606.1	425.8	203.9	225.4	242.1	281.1	329.8	290.3	244.3	238.6	233.8
72.5°	288.6	238.1	185.9	203.9	214.5	247.3	294.7	261.8	218.8	206.6	198.2
75°	193.4	169.3	162.3	178.5	181.1	207.4	252.6	225.9	193.0	178.9	171.9
77.5°	146.5	129.4	136.4	150.9	145.6	170.6	207.9	201.3	174.1	161.4	157.9
80°	103.1	94.3	108.3	117.1	113.1	145.2	187.3	172.4	143.4	129.4	126.7
82.5°	64.9	63.2	79.8	81.1	82.4	114.9	153.9	135.5	111.4	91.7	85.1
85°	32.5	36.0	47.8	47.8	47.4	59.2	87.7	76.3	60.1	47.8	46.5
87.5°	11.0	15.3	20.6	16.7	12.7	10.1	11.4	14.0	14.9	14.5	14.5
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)