

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: P630308

Luminaire Tested: GWS-SA1D-735-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6079.9 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

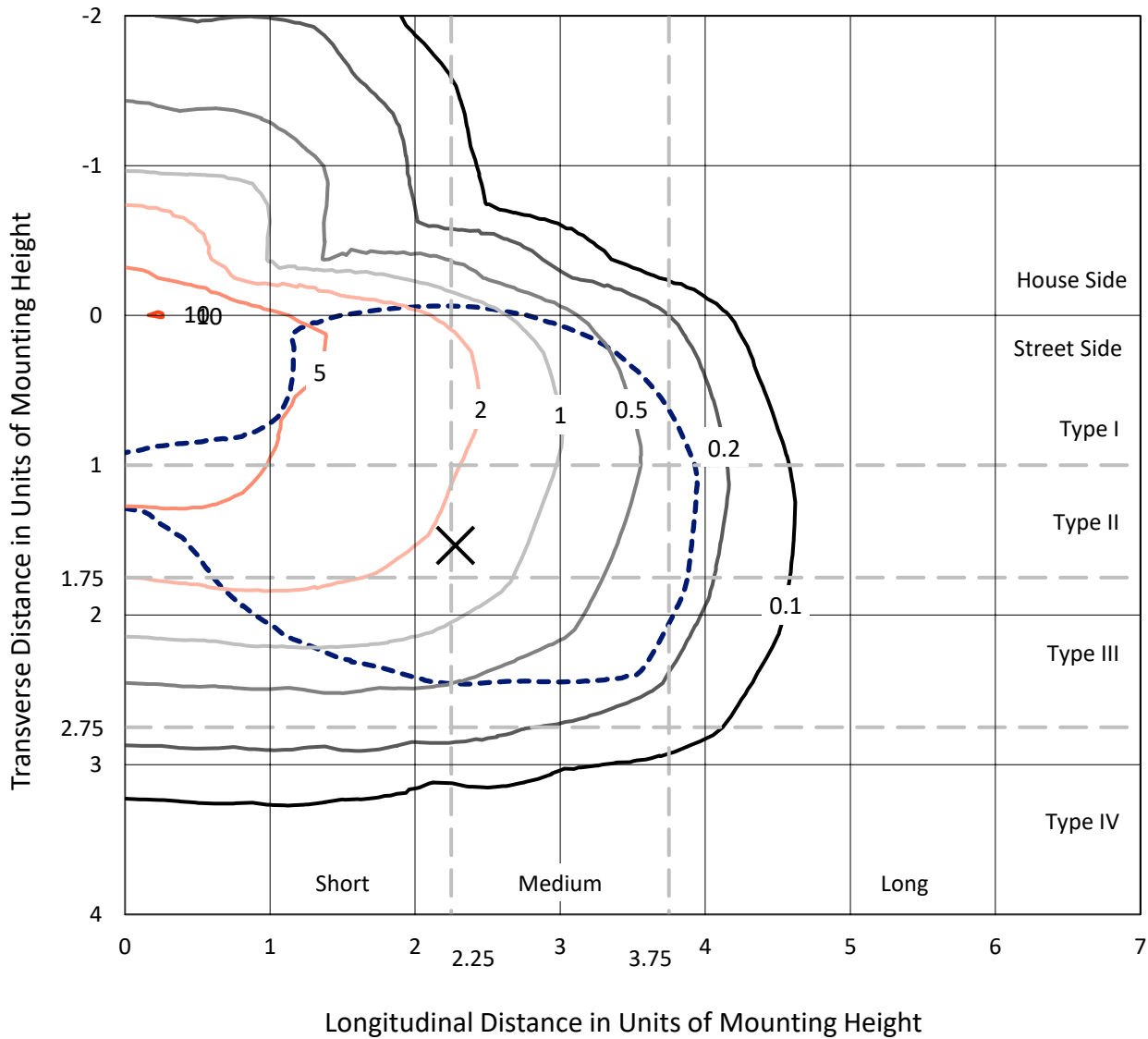
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

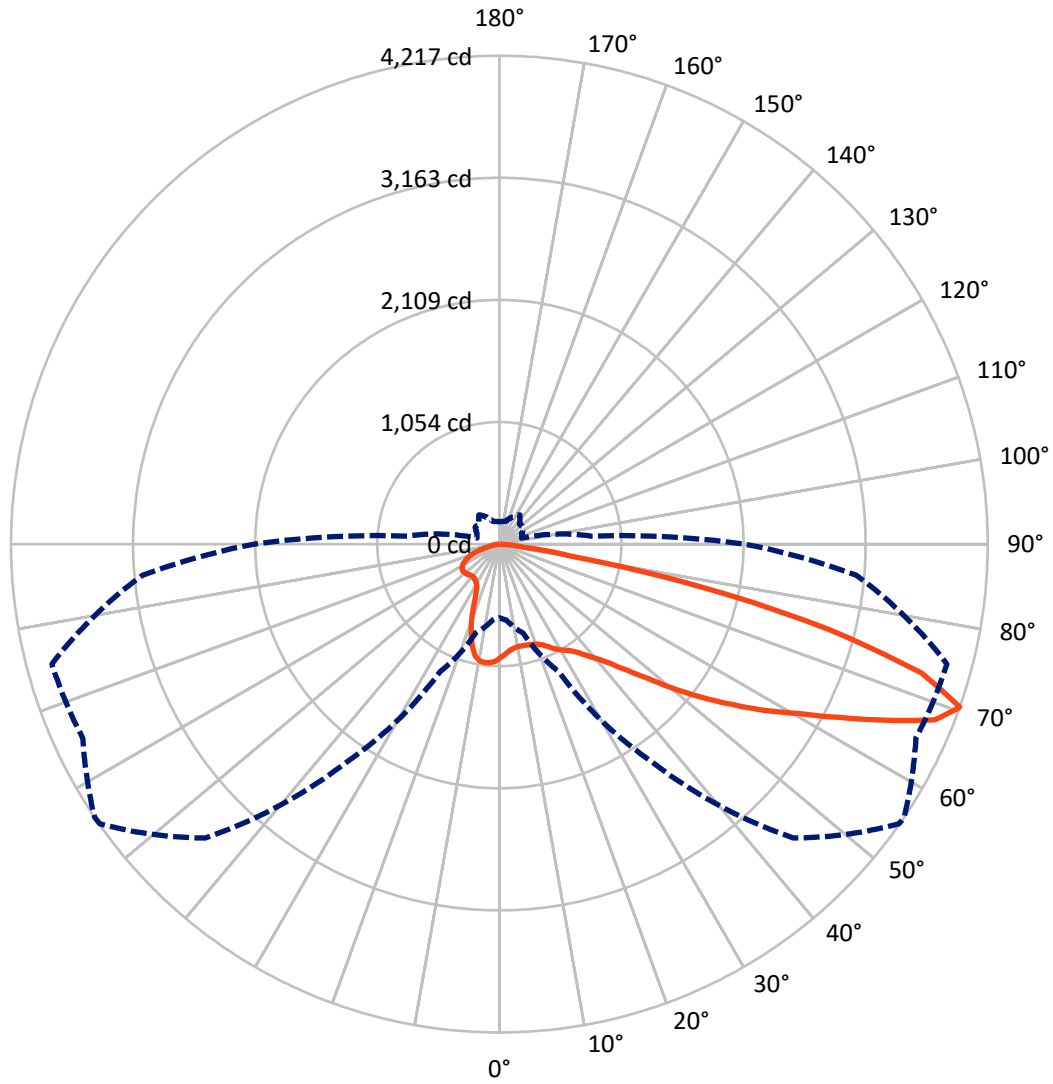
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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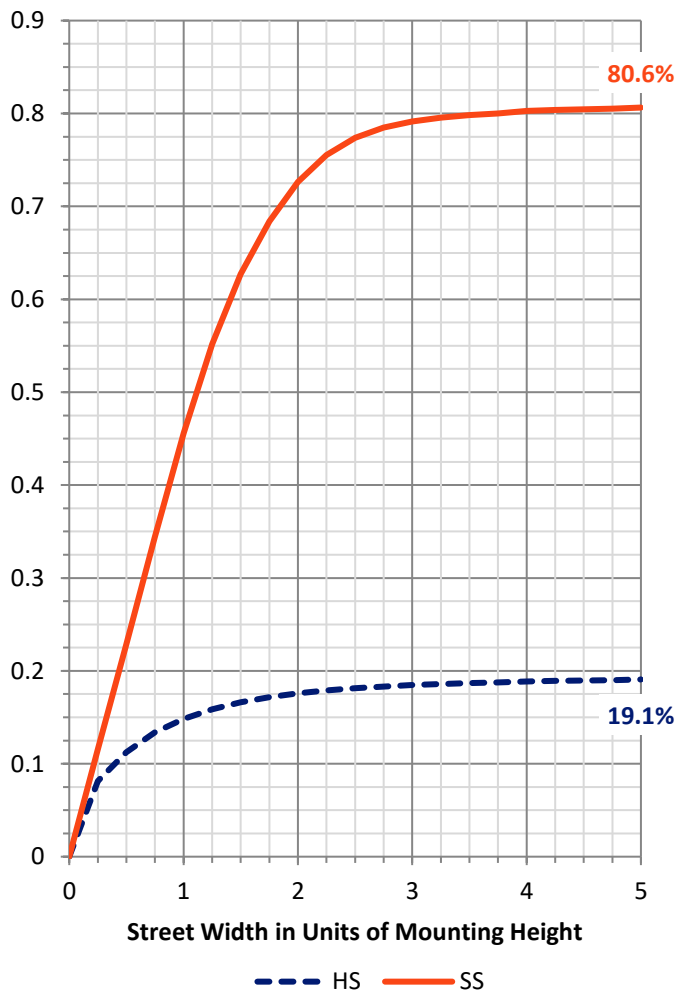
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1168.9	0.0	1168.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	4911.0	0.0	4911.0
	% Fixture	80.8	0.0	80.8
Total	Lumens	6079.9	0.0	6079.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.5
10°-20°	246.1	4.0
20°-30°	406.8	6.7
30°-40°	608.3	10.0
40°-50°	905.2	14.9
50°-60°	1286.9	21.2
60°-70°	1593.8	26.2
70°-80°	880.1	14.5
80°-90°	62.0	1.0
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°	6079.9	100.0
0°-180°	6079.9	100.0

Coefficient of Utilization



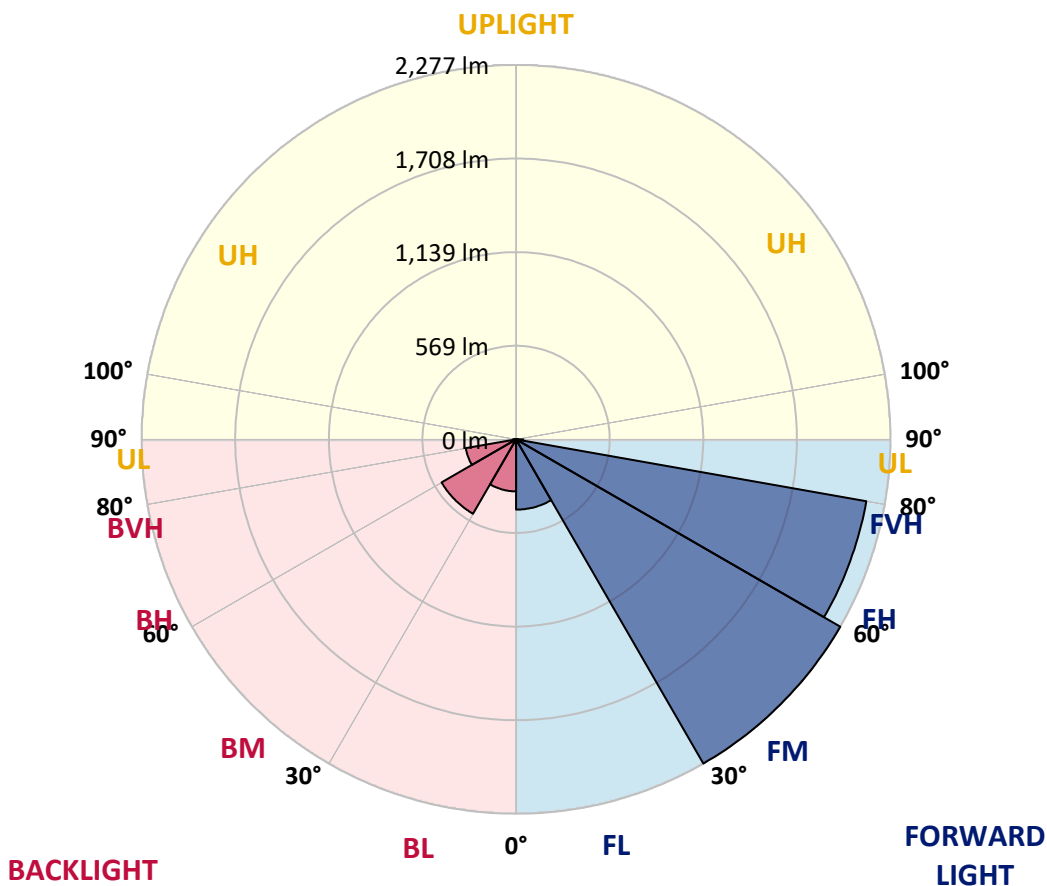
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.3	7.0			
FM (30°-60°)	2277.4	37.5			
FH (60°-80°)	2163.2	35.6			G2/5000
FVH (80°-90°)	43.1	0.7			G1/100
BL (0°-30°)	316.4	5.2	B1/500		
BM (30°-60°)	522.9	8.6	B1/1000		
BH (60°-80°)	310.7	5.1	B1/500		G1/500
BVH (80°-90°)	18.9	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4
2.5°	918.4	913.2	919.2	922.2	929.9	941.1	950.9	951.4	956.5	969.0	981.0
5°	876.8	874.2	875.9	884.9	893.1	907.2	922.2	923.5	938.1	962.5	986.5
7.5°	844.6	841.2	847.6	859.2	869.5	885.4	905.1	906.8	927.4	964.2	1001.1
10°	798.3	795.7	807.7	823.2	845.5	871.6	897.8	899.9	926.9	975.4	1026.8
12.5°	778.2	778.2	783.3	797.9	822.3	857.1	896.5	899.9	933.8	992.5	1059.8
15°	809.5	811.6	807.3	806.5	816.3	849.3	898.2	903.4	946.7	1010.1	1092.4
17.5°	872.5	874.6	863.5	845.9	836.0	856.6	904.6	910.2	960.4	1029.4	1127.6
20°	960.8	963.4	938.9	911.9	878.1	877.6	917.1	922.2	978.0	1050.4	1164.9
22.5°	1064.1	1065.9	1035.0	992.1	940.2	916.6	938.5	943.7	1000.7	1079.6	1205.2
25°	1183.8	1188.9	1151.6	1089.4	1019.1	970.2	974.1	980.1	1041.4	1118.6	1252.8
27.5°	1311.5	1318.0	1275.1	1206.5	1109.6	1029.4	1020.0	1025.1	1084.7	1142.6	1278.1
30°	1442.3	1447.0	1404.1	1325.7	1206.9	1096.3	1058.6	1061.6	1103.6	1154.2	1303.8
32.5°	1587.6	1583.8	1542.6	1452.1	1319.2	1176.5	1094.6	1093.7	1124.6	1177.3	1340.7
35°	1724.0	1729.5	1685.8	1585.9	1442.7	1275.5	1148.6	1145.2	1169.2	1215.1	1392.6
37.5°	1889.0	1887.3	1835.0	1727.0	1566.6	1370.3	1224.5	1218.5	1227.1	1273.8	1465.0
40°	2006.9	2018.9	1985.1	1884.3	1711.5	1486.9	1313.2	1299.9	1302.1	1346.2	1561.9
42.5°	2103.4	2114.6	2118.0	2053.7	1877.5	1630.9	1423.9	1410.6	1411.8	1474.4	1681.1
45°	2177.6	2192.6	2241.0	2222.2	2064.4	1797.3	1573.5	1559.8	1560.6	1630.1	1825.2
47.5°	2208.0	2224.3	2322.5	2367.5	2262.9	1996.2	1759.6	1739.4	1742.4	1819.2	1989.8
50°	2198.2	2220.0	2352.9	2479.4	2429.2	2198.6	1982.1	1967.9	1956.3	2067.8	2168.6
52.5°	2113.3	2137.3	2349.9	2550.6	2565.2	2389.8	2211.9	2203.7	2201.2	2331.9	2368.4
55°	1863.3	1903.6	2246.6	2569.4	2671.5	2569.9	2461.0	2447.3	2460.5	2614.9	2570.3
57.5°	1724.8	1754.8	2044.2	2548.4	2758.5	2741.4	2709.6	2710.9	2725.9	2922.3	2815.1
60°	1645.9	1681.1	1931.9	2491.0	2842.1	2949.7	2969.9	2969.9	2996.9	3253.7	3063.8
62.5°	1541.3	1576.9	1826.9	2380.4	2919.3	3195.0	3297.0	3295.7	3306.5	3609.1	3306.9
65°	1329.1	1362.1	1615.9	2205.9	2957.0	3465.1	3668.7	3664.9	3643.4	3925.6	3467.7
67.5°	965.1	996.4	1237.8	1874.0	2821.1	3682.9	4051.6	4053.3	3925.1	4124.9	3476.2
70°	636.3	657.7	795.7	1217.2	2294.2	3589.0	4212.0	4217.1	3968.4	4000.6	3093.8
72.5°	397.0	412.0	496.9	725.9	1355.7	2840.8	3800.4	3814.5	3570.1	3515.7	2542.0
75°	263.7	274.0	330.6	423.2	627.2	1537.5	2888.9	2934.3	2861.4	2756.0	1771.1
77.5°	158.6	167.2	210.5	268.8	277.8	600.7	1686.2	1803.7	1814.0	1438.9	741.7
80°	72.5	82.3	116.2	153.5	147.9	209.2	594.7	622.1	734.0	457.0	234.1
82.5°	42.9	47.2	77.2	76.3	63.0	101.6	213.9	219.5	186.5	167.2	99.9
85°	17.1	20.2	32.6	28.7	23.2	33.0	80.6	84.5	81.0	72.9	36.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	7.3	7.7	11.1	20.2	11.1
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°	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4
2.5°	988.7	986.1	999.0	1008.8	1013.1	1017.4	1013.5	1012.3	1012.3	1003.7	999.4
5°	999.4	1000.7	1018.3	1026.4	1026.4	1023.0	1012.7	1005.4	1002.8	991.7	988.7
7.5°	1019.5	1025.1	1041.4	1041.0	1029.0	1010.1	984.4	964.7	946.7	938.9	934.2
10°	1052.6	1059.8	1071.0	1053.0	1019.5	969.8	915.4	872.5	846.8	826.2	826.2
12.5°	1090.3	1097.1	1095.0	1053.4	984.4	891.4	812.9	763.6	727.6	708.7	708.7
15°	1128.0	1133.6	1110.4	1033.7	911.1	787.2	701.4	642.3	611.0	593.4	593.4
17.5°	1166.2	1165.7	1116.9	988.2	815.5	671.8	587.8	541.9	531.2	528.2	527.8
20°	1203.0	1193.2	1108.7	912.4	704.4	555.6	502.5	505.5	521.3	528.2	529.1
22.5°	1244.6	1220.2	1084.7	815.5	578.4	475.0	478.5	503.3	526.5	536.8	538.1
25°	1287.1	1243.4	1044.4	701.8	472.9	445.5	472.0	499.9	526.1	539.4	540.6
27.5°	1304.2	1243.4	975.8	570.2	416.7	433.0	462.2	489.2	516.6	532.1	535.1
30°	1318.4	1232.6	879.8	451.5	393.6	421.0	446.3	471.2	498.2	517.1	520.5
32.5°	1338.1	1223.2	763.6	379.4	382.9	409.4	427.0	448.0	472.5	484.9	483.6
35°	1361.3	1208.6	623.4	345.1	373.9	399.6	412.0	424.5	413.3	412.9	414.2
37.5°	1394.3	1195.8	501.2	329.7	367.9	392.7	403.0	376.4	361.0	354.6	352.0
40°	1441.9	1190.6	395.3	320.7	367.0	392.3	385.0	343.9	322.8	300.5	300.1
42.5°	1501.9	1186.8	326.7	316.4	370.0	402.2	360.1	322.4	279.1	269.2	268.4
45°	1579.1	1180.8	292.4	315.6	377.3	409.9	357.6	292.8	263.2	259.0	259.0
47.5°	1672.1	1171.3	277.0	315.6	385.4	406.4	349.9	286.4	256.0	260.7	263.7
50°	1778.8	1159.3	268.8	314.7	393.6	406.4	333.6	285.1	254.2	278.7	288.5
52.5°	1892.9	1145.6	263.2	311.3	399.2	406.9	334.4	289.4	256.0	283.0	291.1
55°	2018.9	1143.5	255.5	304.0	400.9	395.7	336.6	298.8	258.5	256.4	256.8
57.5°	2178.0	1169.2	250.0	293.3	394.0	373.0	340.8	305.7	255.5	256.0	259.0
60°	2344.4	1217.6	254.7	283.0	379.9	351.6	343.9	302.3	241.0	234.1	235.0
62.5°	2485.8	1254.5	258.5	278.3	359.3	332.7	340.8	294.5	232.8	231.1	235.0
65°	2545.0	1224.1	249.1	268.4	329.3	309.6	334.4	284.7	225.9	219.5	219.9
67.5°	2479.4	1081.3	230.7	246.5	295.4	280.0	324.1	271.8	216.5	208.8	207.1
70°	2118.0	794.5	198.9	211.8	254.2	245.2	308.3	255.1	201.5	195.9	192.1
72.5°	1706.8	562.5	165.1	168.5	199.4	206.7	280.8	234.1	184.4	168.5	162.9
75°	1188.0	353.3	137.6	134.2	144.1	157.8	219.1	194.2	159.1	142.3	137.2
77.5°	511.1	181.4	107.6	105.9	96.0	109.3	168.1	162.1	133.3	114.0	111.0
80°	171.1	105.0	77.6	74.6	63.9	76.7	118.3	129.5	104.6	84.5	79.3
82.5°	85.7	60.9	49.3	44.6	42.9	48.4	69.9	80.6	72.5	58.3	49.3
85°	42.0	34.7	27.0	26.6	22.3	21.0	29.2	34.3	32.6	24.0	22.7
87.5°	15.4	13.7	8.6	6.9	4.3	3.0	1.7	1.7	1.3	1.3	1.3
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)