

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: P632111

Luminaire Tested: GWS-SA2C-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632111
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-SA2C-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6763.9 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

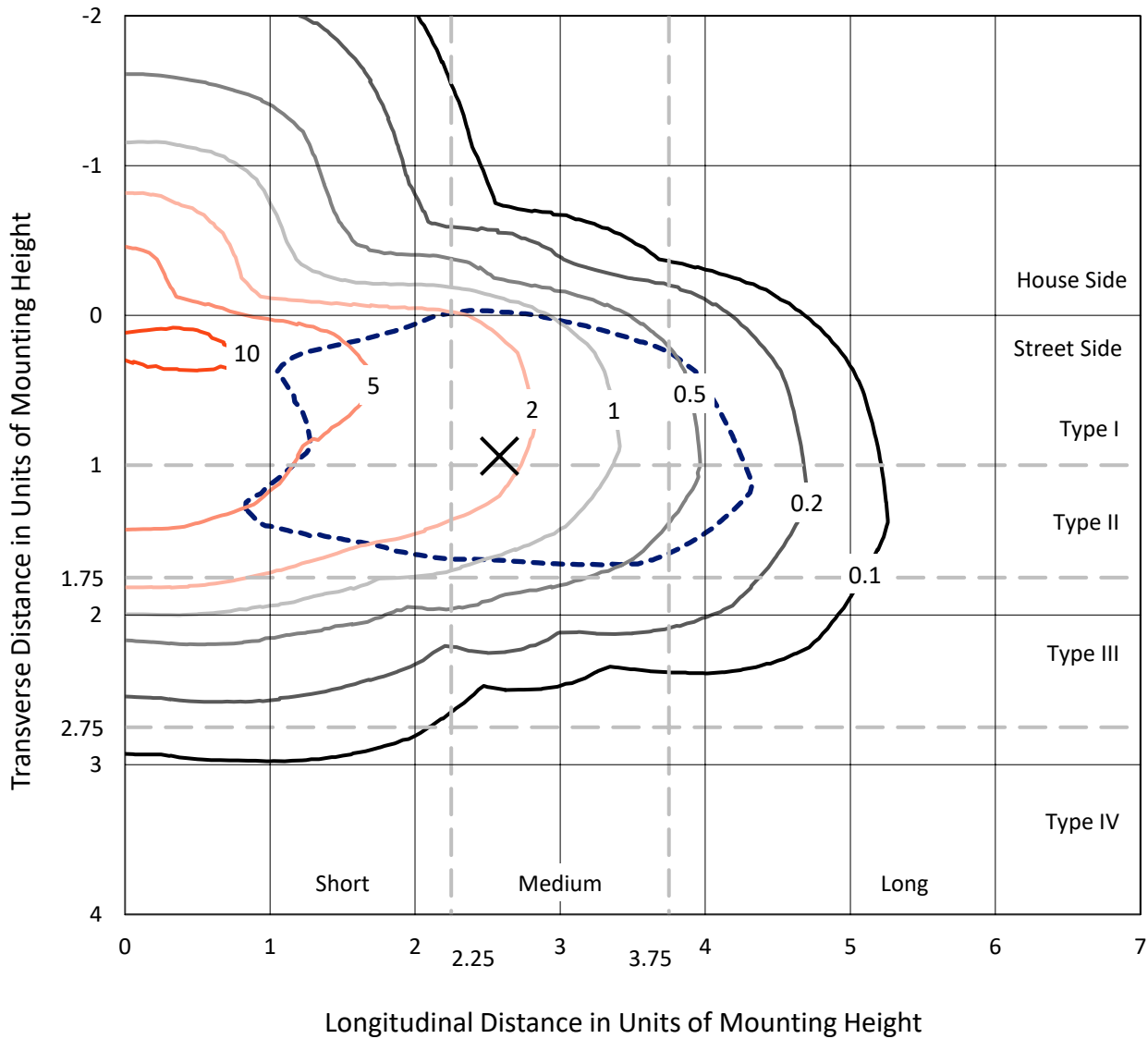
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

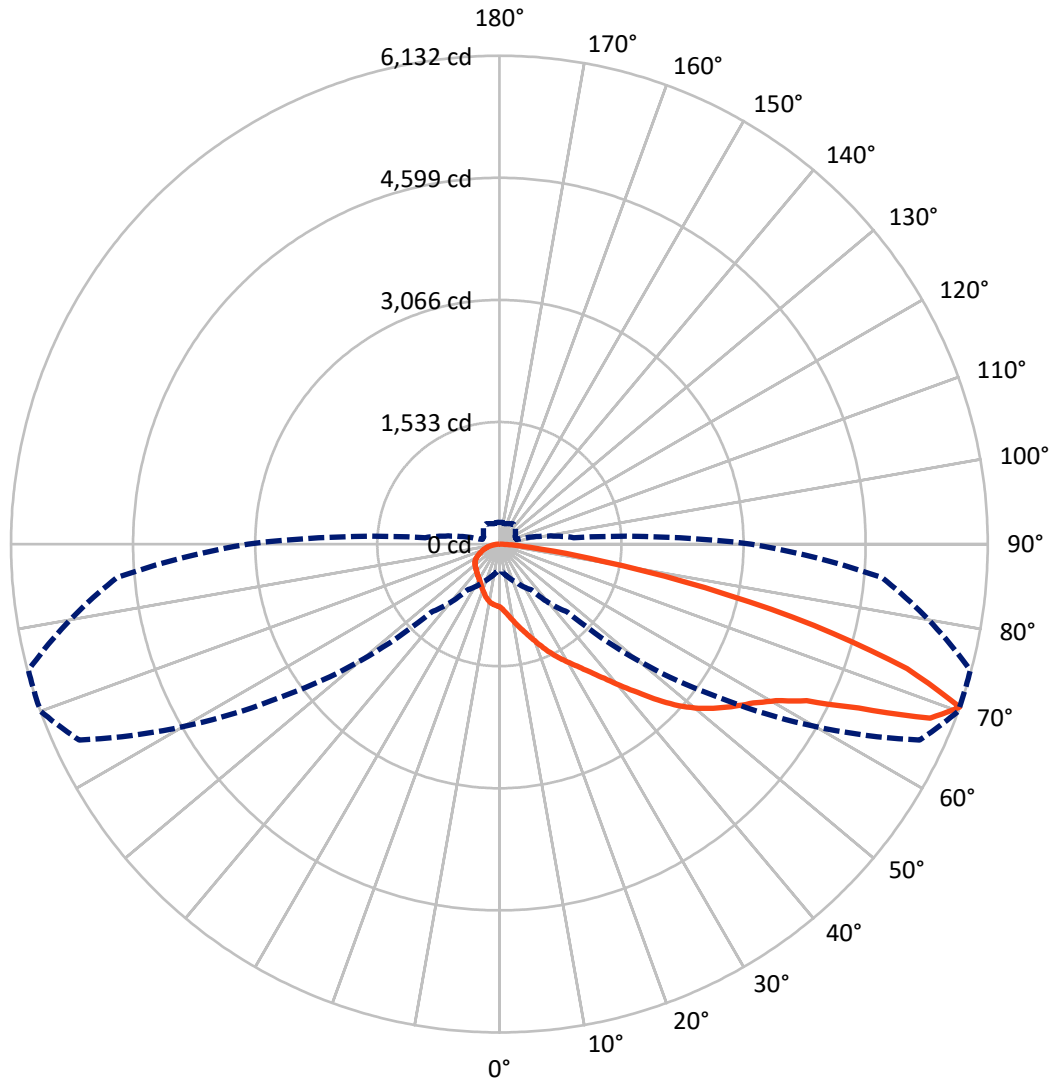
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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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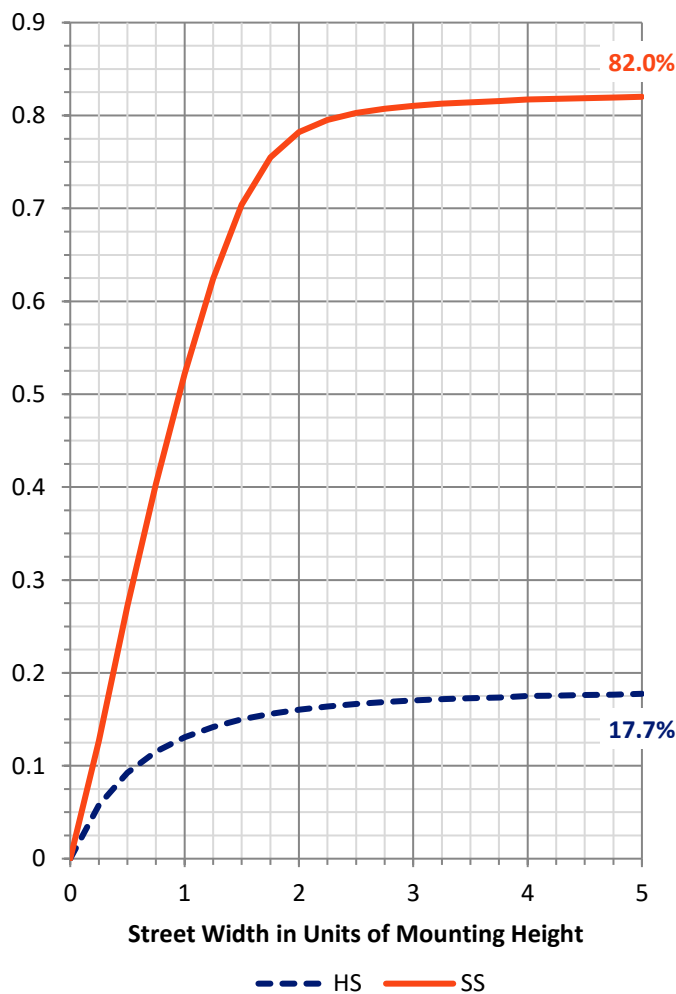
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1212.1	0.0	1212.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	5551.8	0.0	5551.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	6763.9	0.0	6763.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.2
10°-20°	260.8	3.9
20°-30°	462.0	6.8
30°-40°	695.4	10.3
40°-50°	1052.0	15.6
50°-60°	1507.0	22.3
60°-70°	1665.9	24.6
70°-80°	940.1	13.9
80°-90°	100.6	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°	6763.9	100.0
0°-180°	6763.9	100.0

Coefficient of Utilization



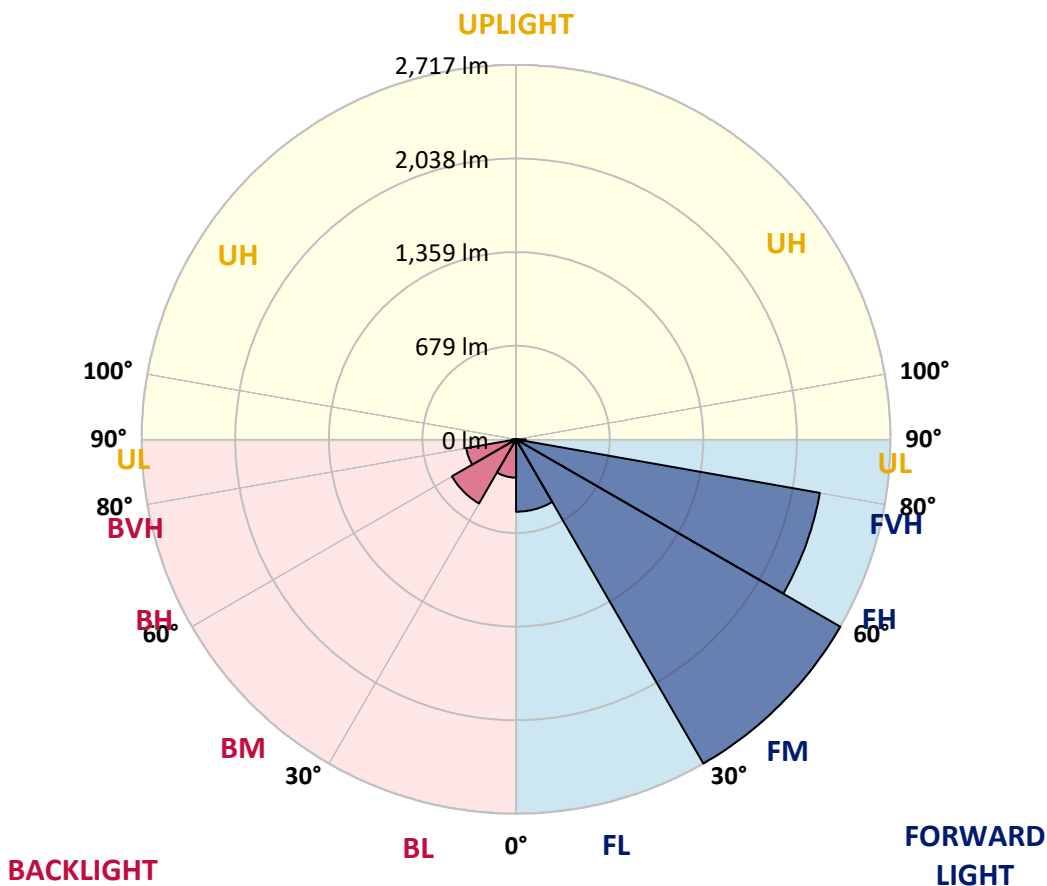
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.1	7.8			
FM (30°-60°)	2717.0	40.2			
FH (60°-80°)	2238.6	33.1			G2/5000
FVH (80°-90°)	71.1	1.1			G1/100
BL (0°-30°)	277.9	4.1	B1/500		
BM (30°-60°)	537.3	7.9	B1/1000		
BH (60°-80°)	367.4	5.4	B1/500		G1/500
BVH (80°-90°)	29.5	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°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8
2.5°	873.8	872.4	873.4	872.4	867.0	853.8	843.1	829.4	820.1	814.7	802.0
5°	976.5	975.0	971.6	966.7	956.9	938.9	912.0	882.2	864.1	850.4	823.5
7.5°	1050.3	1050.3	1049.8	1043.9	1037.1	1018.0	986.3	947.2	920.8	897.3	853.3
10°	1087.9	1090.4	1093.8	1102.1	1100.6	1090.4	1060.5	1018.5	985.3	957.9	892.4
12.5°	1108.4	1109.9	1115.8	1132.9	1150.5	1152.9	1135.3	1091.3	1055.2	1018.5	935.9
15°	1134.8	1135.3	1143.1	1163.7	1189.6	1215.5	1211.1	1167.1	1129.9	1089.4	984.3
17.5°	1155.4	1158.8	1173.0	1196.9	1229.2	1264.8	1286.3	1259.0	1213.0	1166.6	1037.1
20°	1162.7	1165.1	1183.7	1220.4	1264.3	1314.7	1362.6	1355.2	1308.8	1254.1	1096.7
22.5°	1189.1	1189.1	1202.8	1233.6	1285.4	1358.7	1436.4	1455.4	1414.4	1350.4	1160.7
25°	1247.2	1245.3	1251.6	1264.3	1303.4	1393.9	1509.2	1566.4	1520.4	1448.6	1224.8
27.5°	1326.9	1325.9	1325.4	1327.4	1340.6	1424.6	1570.8	1670.0	1624.1	1542.9	1281.9
30°	1413.4	1410.5	1416.8	1411.0	1408.0	1461.3	1623.1	1762.9	1727.2	1636.3	1329.3
32.5°	1531.2	1525.8	1524.4	1505.3	1493.6	1518.5	1665.1	1868.4	1840.1	1736.9	1382.6
35°	1686.6	1681.7	1656.8	1626.5	1591.8	1603.5	1717.4	1971.5	1973.5	1863.0	1452.5
37.5°	1843.5	1844.5	1824.9	1753.6	1717.9	1711.0	1797.1	2097.1	2139.2	2013.6	1542.9
40°	1974.0	1979.8	1979.8	1904.6	1851.3	1845.0	1909.0	2246.2	2329.8	2198.3	1657.3
42.5°	2073.2	2078.6	2095.7	2041.4	1985.2	2007.2	2044.8	2395.8	2545.8	2426.5	1801.9
45°	2182.2	2186.6	2195.9	2164.6	2131.8	2190.5	2198.8	2574.6	2793.1	2682.6	1970.1
47.5°	2326.8	2322.9	2323.9	2300.9	2275.5	2370.3	2368.4	2725.2	3032.1	2963.2	2152.4
50°	2506.7	2514.0	2507.2	2461.7	2431.9	2518.4	2529.7	2891.8	3242.2	3240.8	2336.1
52.5°	2679.7	2682.6	2718.8	2720.8	2659.7	2641.6	2670.9	3059.9	3419.6	3494.9	2512.6
55°	2688.5	2699.7	2808.2	2886.4	2985.2	2840.0	2813.6	3220.2	3591.2	3743.7	2695.8
57.5°	2501.3	2519.4	2703.7	2872.3	3146.9	3180.7	3058.0	3427.5	3762.7	3988.5	2907.9
60°	2101.5	2139.2	2389.4	2647.5	3074.1	3425.5	3558.0	3709.0	3988.0	4238.8	3165.5
62.5°	1342.1	1356.7	1707.6	2139.7	2746.2	3401.6	4102.4	4205.0	4331.1	4564.7	3562.4
65°	672.0	718.9	924.7	1277.1	1980.3	2997.4	4377.6	5113.6	4959.1	5122.9	4205.5
67.5°	456.0	471.1	575.2	767.3	1161.2	2123.5	4207.0	5878.9	5833.5	5860.4	4891.2
70°	336.2	346.0	428.1	543.5	702.3	1205.7	3349.3	5821.3	6131.6	6121.8	4819.4
72.5°	245.3	250.2	312.3	414.9	520.5	623.6	2045.3	4702.6	5352.6	5634.6	4214.8
75°	178.4	184.3	217.0	310.3	404.7	389.0	1009.7	3396.7	4081.9	4624.4	3433.8
77.5°	132.9	140.3	155.4	194.5	283.5	278.6	436.4	2205.6	2640.1	3020.4	2085.9
80°	95.8	97.3	106.1	124.6	179.9	163.2	207.7	1150.0	1318.6	1444.7	817.6
82.5°	58.2	59.6	70.9	76.7	111.4	102.6	108.0	372.4	533.7	566.4	305.5
85°	17.1	18.1	32.3	35.2	46.4	44.0	43.5	151.5	180.8	231.2	120.2
87.5°	0.0	0.0	0.0	0.0	0.5	2.9	5.4	26.9	40.6	56.2	29.3
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°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8
2.5°	797.1	785.9	780.0	769.8	762.4	755.1	747.8	740.9	738.0	733.6	734.6
5°	811.3	793.7	776.1	756.1	739.0	724.8	712.1	700.8	696.0	691.6	693.5
7.5°	832.8	806.4	772.7	736.0	709.1	689.6	676.4	668.6	666.1	662.7	662.7
10°	860.2	820.6	761.4	709.1	676.9	661.3	655.4	654.9	657.3	657.8	656.9
12.5°	890.5	834.3	744.8	677.4	650.0	645.1	649.5	657.8	666.1	670.5	669.6
15°	921.7	843.1	716.5	647.1	630.5	636.8	651.0	667.6	683.7	692.0	691.6
17.5°	951.1	845.0	679.8	617.8	613.4	629.5	653.9	679.8	701.8	713.5	714.0
20°	983.8	841.6	642.2	591.4	596.3	622.6	654.9	686.2	712.1	723.8	726.7
22.5°	1013.6	829.9	605.5	566.4	581.6	614.3	647.1	676.4	699.4	710.6	714.5
25°	1040.5	807.4	565.5	545.4	570.3	602.6	627.5	648.1	664.2	671.0	676.4
27.5°	1055.2	773.7	535.2	528.8	559.6	586.0	599.7	606.0	611.4	609.4	613.4
30°	1058.1	731.6	508.8	515.6	543.5	563.0	565.9	559.6	550.3	535.2	538.6
32.5°	1055.2	683.2	486.8	501.4	525.4	537.1	533.2	516.6	494.1	470.6	472.1
35°	1056.1	634.4	468.7	485.8	504.4	510.7	500.9	478.0	454.0	432.5	431.5
37.5°	1066.9	593.3	453.5	470.6	483.8	484.8	474.1	450.1	437.9	421.8	419.8
40°	1096.7	563.0	439.9	455.5	463.8	463.3	451.1	434.0	442.3	436.9	435.5
42.5°	1145.6	544.4	428.6	439.4	445.2	446.2	436.4	425.7	443.8	436.9	434.5
45°	1224.3	543.5	420.8	423.2	432.5	439.4	432.5	420.3	427.2	393.9	387.6
47.5°	1317.6	560.1	414.9	409.1	425.2	437.4	426.7	407.1	392.9	362.6	358.2
50°	1430.0	593.8	409.6	393.9	414.4	430.1	419.3	392.5	370.9	354.8	352.4
52.5°	1563.4	638.3	402.7	376.8	398.3	426.2	419.3	391.0	362.6	348.0	345.5
55°	1703.2	689.6	394.9	356.3	380.2	427.2	422.8	380.7	356.3	348.5	346.5
57.5°	1876.7	751.2	380.7	332.3	364.1	418.4	409.1	374.9	351.9	345.5	343.6
60°	2102.0	842.6	353.8	307.9	345.5	402.7	396.8	365.1	340.2	334.8	333.3
62.5°	2458.8	997.5	321.1	284.4	323.5	370.0	378.8	346.5	325.5	325.0	324.5
65°	3040.4	1183.7	282.5	263.4	300.6	343.1	354.8	327.4	310.3	315.7	315.2
67.5°	3448.0	1199.8	250.7	241.4	273.7	313.8	330.9	307.9	289.3	299.6	299.1
70°	3158.2	935.9	223.3	218.5	244.9	282.0	305.0	283.5	264.9	274.7	272.7
72.5°	2663.6	717.5	197.4	194.5	215.5	248.8	271.7	259.0	239.5	239.5	235.1
75°	2140.6	591.9	170.1	168.6	182.8	215.0	240.9	219.4	201.4	200.4	197.4
77.5°	1227.7	388.1	142.7	141.7	146.1	179.9	187.2	182.8	169.1	162.7	160.8
80°	489.2	201.8	112.4	106.1	110.5	132.0	147.6	140.3	128.5	120.7	116.3
82.5°	189.6	101.2	79.2	69.4	75.8	95.3	107.0	104.6	96.8	79.2	74.3
85°	77.2	49.4	47.4	40.1	44.0	51.3	61.6	53.3	44.0	31.3	29.8
87.5°	20.5	18.1	17.6	10.8	8.3	2.4	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)