

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: P632119

Luminaire Tested: GWS-SA2C-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6822 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
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

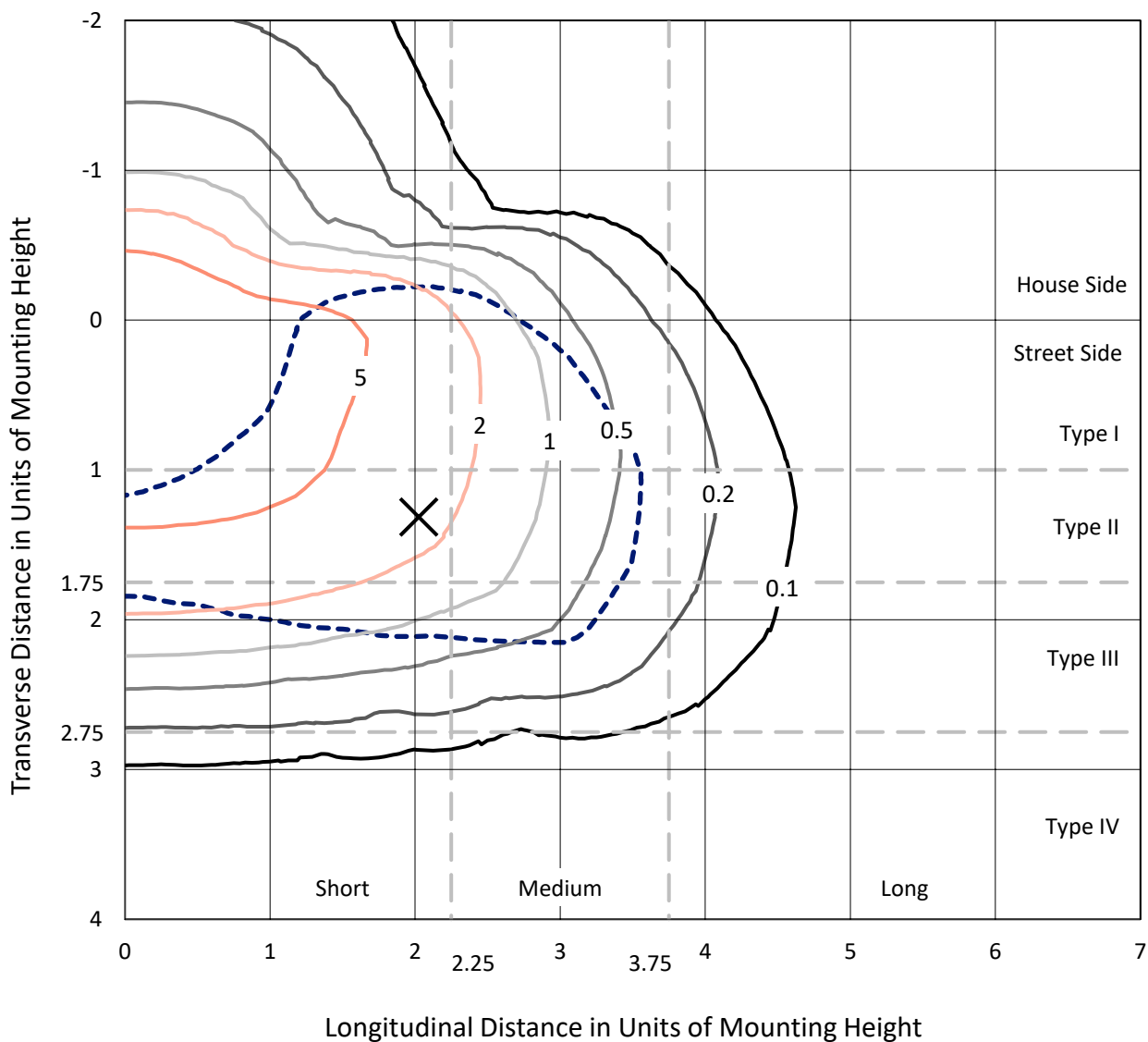


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Iso-Footcandle Lines of Horizontal Illumination

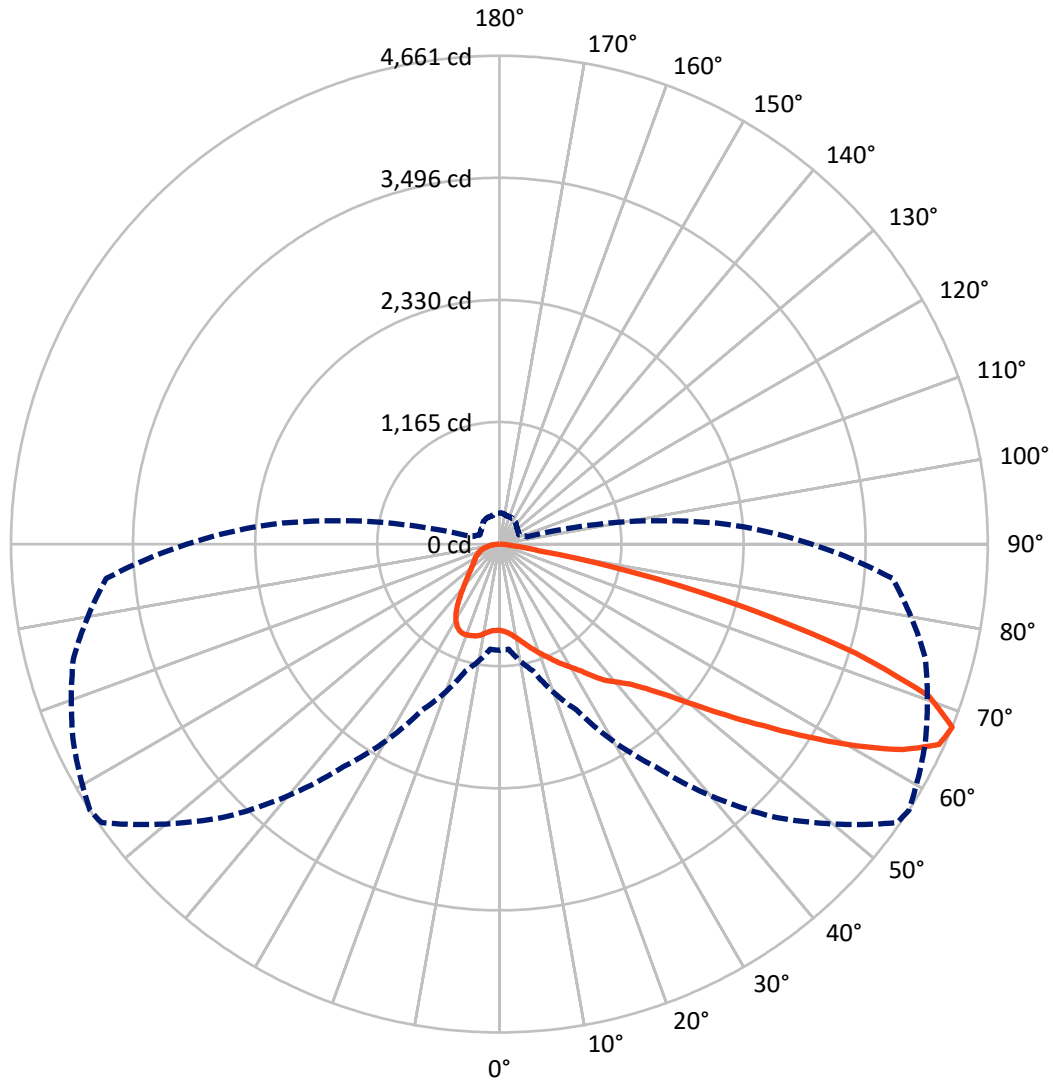
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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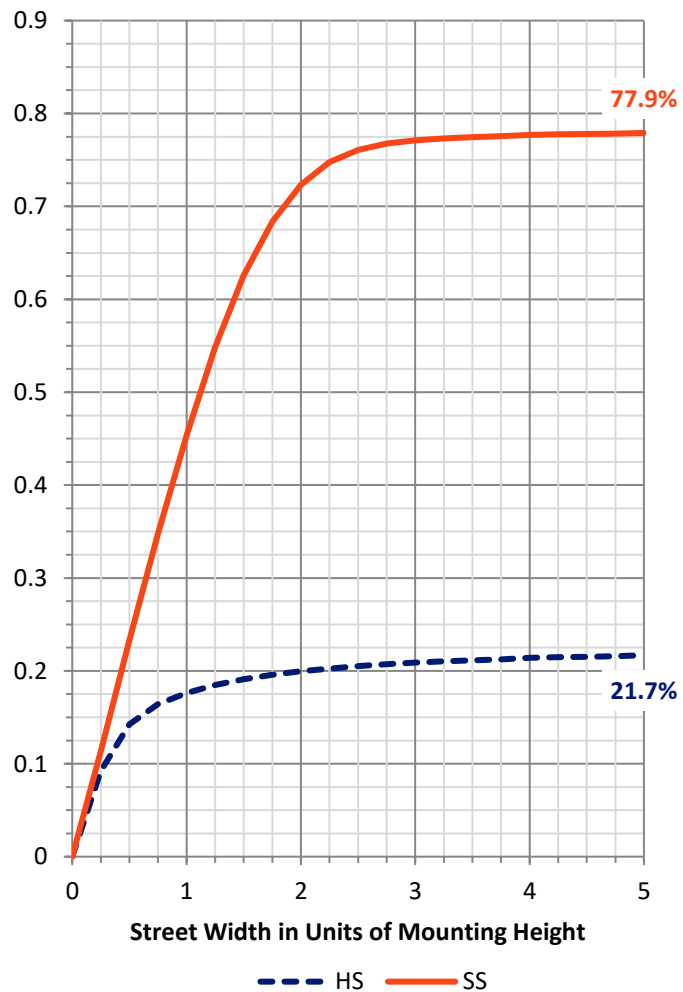
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1499.9	0.0	1499.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5322.1	0.0	5322.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	6822.0	0.0	6822.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.2
10°-20°	269.9	4.0
20°-30°	481.2	7.1
30°-40°	699.6	10.3
40°-50°	1012.5	14.8
50°-60°	1584.5	23.2
60°-70°	1848.4	27.1
70°-80°	771.6	11.3
80°-90°	72.8	1.1
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°	6822.0	100.0
0°-180°	6822.0	100.0

Coefficient of Utilization



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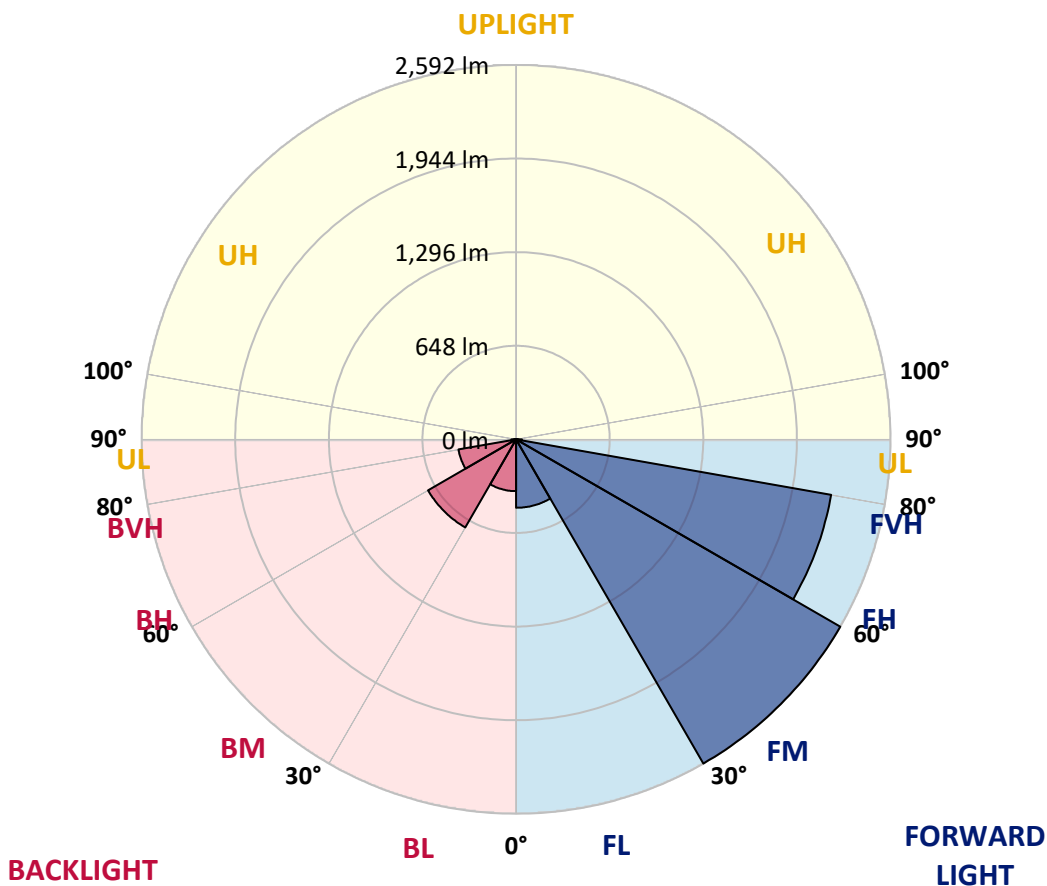
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.9	6.9			
FM (30°-60°)	2592.5	38.0			
FH (60°-80°)	2215.2	32.5			G2/5000
FVH (80°-90°)	40.6	0.6			G1/100
BL (0°-30°)	358.7	5.3	B1/500		
BM (30°-60°)	704.1	10.3	B1/1000		
BH (60°-80°)	404.8	5.9	B1/500		G1/500
BVH (80°-90°)	32.2	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0
2.5°	833.7	832.8	832.3	835.2	834.2	833.7	833.7	833.2	832.3	828.4	823.0
5°	856.7	854.7	852.8	855.2	853.3	851.3	850.8	849.9	846.4	840.6	832.3
7.5°	880.6	878.7	879.2	880.6	879.2	878.2	876.7	875.8	870.4	861.1	849.9
10°	914.4	914.4	915.3	916.8	917.3	915.8	912.9	911.4	905.1	893.4	877.7
12.5°	963.2	962.3	962.3	961.3	962.8	961.3	958.4	955.9	948.1	932.9	910.5
15°	1027.8	1023.8	1020.4	1014.1	1012.1	1006.7	1007.7	1006.2	998.9	978.4	950.0
17.5°	1096.7	1096.2	1090.8	1078.1	1065.4	1056.6	1058.5	1058.0	1054.1	1026.3	990.1
20°	1157.3	1159.7	1154.8	1145.0	1127.9	1111.3	1110.3	1112.8	1107.9	1080.0	1029.7
22.5°	1225.2	1223.2	1218.3	1205.6	1192.9	1175.3	1169.5	1167.5	1165.6	1133.8	1070.3
25°	1289.7	1295.6	1289.2	1277.5	1257.9	1238.9	1234.0	1235.9	1230.6	1188.5	1113.8
27.5°	1371.3	1373.8	1369.8	1353.7	1337.1	1310.2	1300.9	1300.9	1299.0	1239.8	1148.0
30°	1458.3	1465.1	1458.3	1445.1	1428.0	1389.4	1369.4	1367.4	1361.5	1292.6	1188.0
32.5°	1545.8	1550.7	1545.8	1533.1	1513.5	1479.8	1451.0	1446.6	1438.8	1350.3	1229.1
35°	1623.5	1627.9	1626.9	1629.8	1613.7	1571.2	1553.6	1551.6	1531.1	1425.6	1284.8
37.5°	1708.5	1713.9	1706.6	1712.4	1706.1	1666.0	1660.6	1650.9	1621.5	1496.4	1343.5
40°	1805.3	1810.2	1798.4	1800.9	1793.6	1771.1	1743.7	1730.5	1687.0	1573.1	1435.8
42.5°	1908.9	1920.1	1925.5	1921.1	1904.0	1891.3	1843.4	1826.8	1790.6	1711.5	1587.8
45°	2058.9	2075.5	2083.4	2072.1	2064.8	2046.7	1988.1	1968.0	1949.0	1906.4	1799.9
47.5°	2220.7	2235.8	2260.8	2265.6	2271.5	2257.8	2175.2	2155.7	2159.1	2154.2	2060.9
50°	2349.7	2362.4	2418.6	2478.7	2528.6	2532.5	2426.9	2405.9	2424.5	2440.1	2375.1
52.5°	2443.5	2454.8	2529.1	2653.2	2766.1	2849.6	2735.8	2711.8	2727.0	2762.2	2732.4
55°	2519.8	2535.4	2613.1	2803.7	3031.9	3163.9	3091.1	3060.8	3054.4	3097.9	3115.0
57.5°	2559.8	2564.7	2673.7	2921.5	3226.9	3472.3	3504.0	3469.8	3409.2	3433.2	3522.1
60°	2468.5	2476.8	2625.8	2951.8	3380.9	3778.2	3937.5	3909.2	3780.1	3793.3	3891.6
62.5°	2215.8	2227.5	2406.9	2807.6	3393.6	3982.5	4337.8	4319.7	4146.7	4075.3	4104.6
65°	1777.4	1781.3	1967.0	2450.9	3140.9	4007.9	4616.8	4612.4	4402.8	4235.6	4110.0
67.5°	1013.6	1006.7	1255.0	1748.1	2592.1	3677.5	4634.9	4660.8	4485.8	4209.2	3767.9
70°	439.3	440.3	554.7	862.6	1677.7	2972.3	4305.0	4349.5	4245.4	3769.9	2997.7
72.5°	203.3	206.2	255.6	373.4	716.4	1843.9	3510.4	3550.5	3461.0	3017.3	2181.1
75°	143.7	146.1	170.6	214.1	329.4	718.4	2348.2	2432.3	2475.8	2256.8	1437.3
77.5°	109.0	112.4	124.6	148.6	203.3	254.6	1123.5	1323.9	1577.1	1404.1	740.4
80°	69.4	69.4	82.6	99.2	124.1	132.4	324.5	384.6	771.7	578.6	290.8
82.5°	46.9	48.4	56.2	63.0	71.4	75.3	139.3	148.6	222.9	196.9	119.7
85°	24.9	25.9	29.3	28.8	34.2	29.8	58.6	58.2	81.6	89.4	45.4
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	6.4	6.8	17.1	27.4	15.1
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°	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0
2.5°	825.9	820.0	823.0	822.0	824.9	824.9	819.6	818.1	818.6	812.7	810.8
5°	833.2	826.4	827.9	825.9	828.8	831.3	828.8	828.8	831.8	827.4	824.9
7.5°	849.9	842.0	842.0	839.6	843.0	845.0	843.0	846.0	851.3	846.9	844.5
10°	876.3	867.0	867.5	864.5	866.0	865.0	857.2	854.7	856.2	852.3	850.3
12.5°	910.5	897.8	897.8	891.9	888.5	878.2	862.1	856.2	857.2	853.8	852.3
15°	943.2	931.5	929.0	917.3	901.7	882.6	867.9	864.0	865.0	861.6	859.1
17.5°	981.8	966.7	957.9	936.4	907.5	888.0	873.3	864.0	856.2	848.4	846.4
20°	1017.5	998.4	982.3	949.1	913.9	887.0	859.6	836.7	817.6	807.3	804.9
22.5°	1054.1	1029.7	1001.4	957.9	913.4	869.4	819.1	784.4	756.0	740.9	743.8
25°	1088.8	1058.0	1019.4	966.2	897.8	830.3	761.9	710.1	677.8	666.1	662.7
27.5°	1117.7	1079.6	1036.1	962.3	865.5	774.1	683.7	626.0	594.8	581.6	578.1
30°	1149.9	1106.9	1060.0	944.2	814.7	695.4	595.2	548.3	525.8	513.1	513.6
32.5°	1187.1	1142.1	1093.7	909.5	749.7	610.4	522.4	490.2	472.1	459.4	457.4
35°	1236.9	1192.4	1116.2	857.2	667.1	532.2	472.6	446.2	423.7	407.1	403.7
37.5°	1298.5	1268.2	1118.6	787.3	578.6	478.4	436.9	408.6	381.2	359.2	356.8
40°	1404.1	1369.4	1098.6	699.8	503.4	443.7	407.1	374.3	342.6	318.1	314.7
42.5°	1554.6	1483.2	1055.6	601.1	446.7	416.4	378.7	337.2	305.0	287.8	285.4
45°	1746.1	1610.3	991.1	508.3	404.6	389.5	348.9	305.4	288.3	276.1	273.7
47.5°	1980.7	1758.4	916.8	435.9	371.9	365.1	318.6	294.7	279.5	269.3	266.8
50°	2261.2	1947.0	855.7	379.2	342.6	336.7	308.9	288.3	276.1	267.8	265.9
52.5°	2581.3	2156.7	825.9	338.7	317.2	311.3	305.4	286.9	276.6	270.3	267.8
55°	2913.7	2377.6	798.1	307.4	295.7	299.1	305.9	291.8	283.9	275.6	273.2
57.5°	3234.7	2584.8	729.6	283.0	280.0	293.2	308.4	296.6	287.4	279.1	276.1
60°	3456.1	2698.1	613.8	263.4	268.3	285.9	302.0	289.3	277.6	274.2	272.7
62.5°	3515.8	2684.5	476.5	243.4	254.1	269.8	285.4	277.1	264.9	270.3	270.7
65°	3376.5	2537.9	357.7	223.8	235.6	248.8	268.3	264.9	260.5	275.1	275.6
67.5°	2982.1	2177.7	272.7	206.7	216.5	232.6	262.9	277.1	278.1	296.6	294.7
70°	2256.4	1626.9	213.6	190.6	201.8	232.6	280.0	286.4	274.7	291.8	287.8
72.5°	1560.0	1073.7	181.8	176.4	183.8	221.9	279.5	279.5	266.8	266.8	259.5
75°	969.1	631.4	158.3	158.3	158.3	194.0	271.7	257.5	235.1	224.8	218.9
77.5°	478.4	306.9	132.9	137.8	132.4	162.3	221.9	210.6	196.9	186.2	182.3
80°	204.3	153.5	107.5	112.9	106.5	122.2	175.9	173.5	160.3	146.1	141.7
82.5°	93.8	79.2	86.0	88.5	77.7	91.9	128.5	128.5	121.2	101.7	94.3
85°	40.1	42.0	59.6	59.6	48.9	51.8	68.9	65.5	58.6	47.9	44.0
87.5°	13.7	20.5	30.3	26.4	10.3	4.4	2.4	1.0	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)