

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: P629801

Luminaire Tested: GWS-SA1C-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3952.4 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

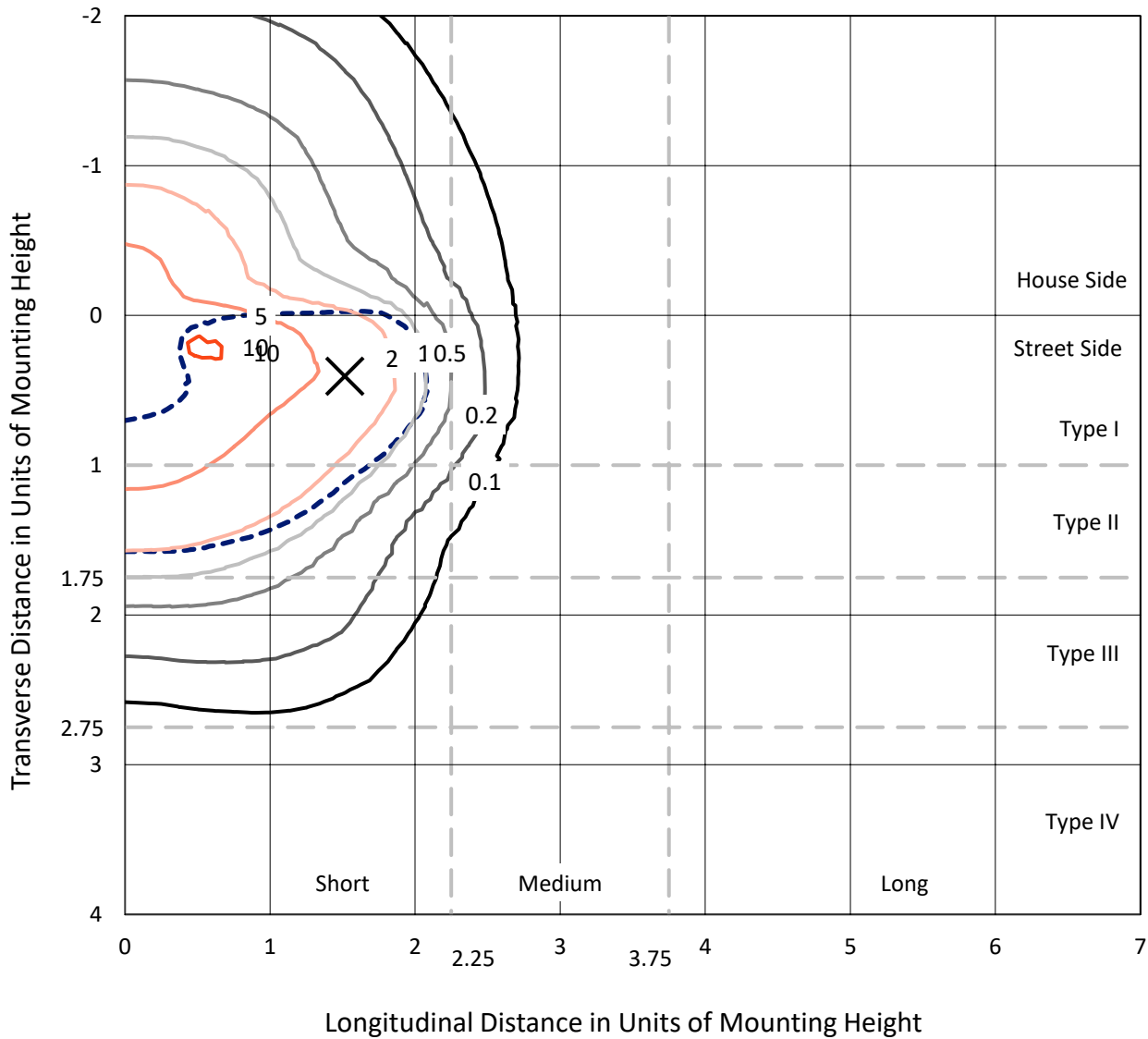
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

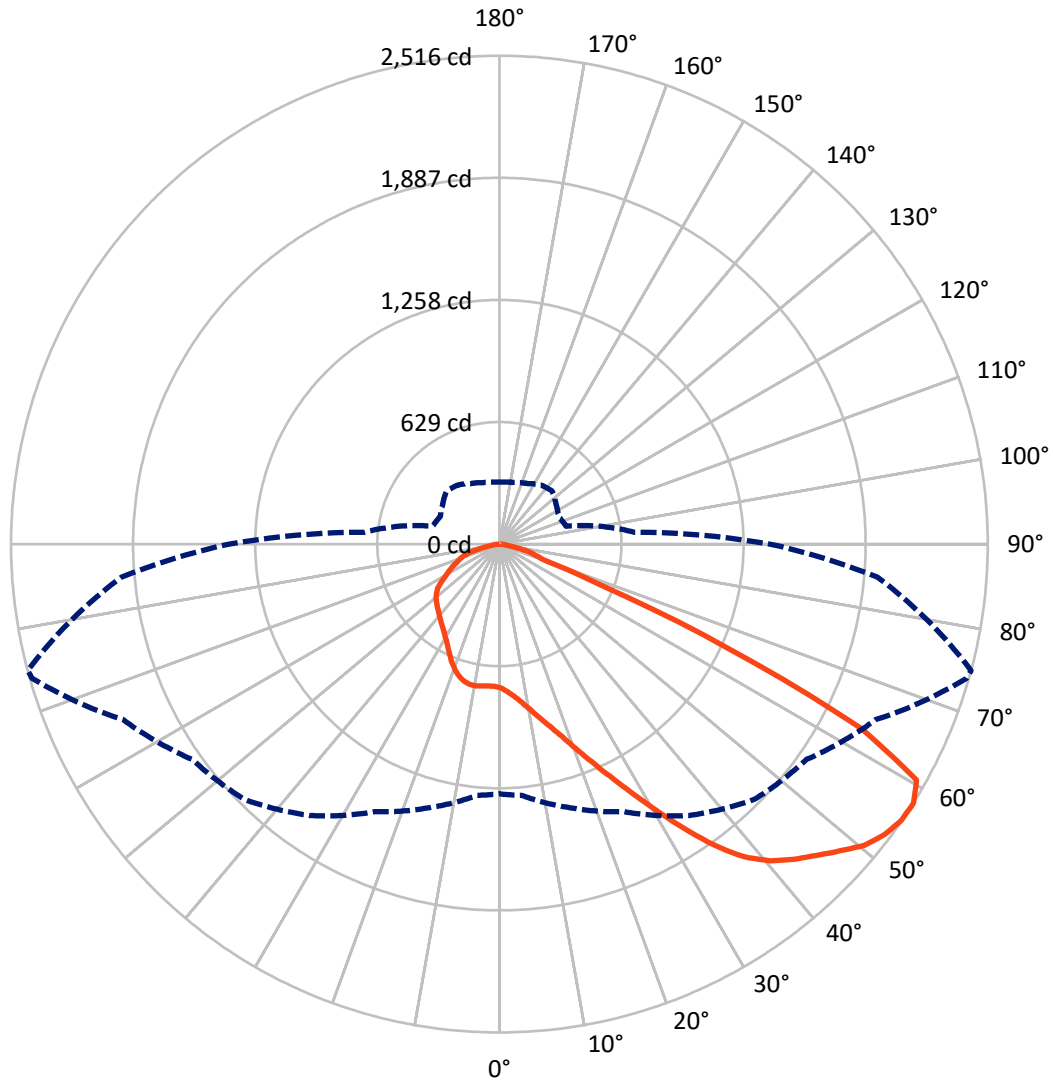
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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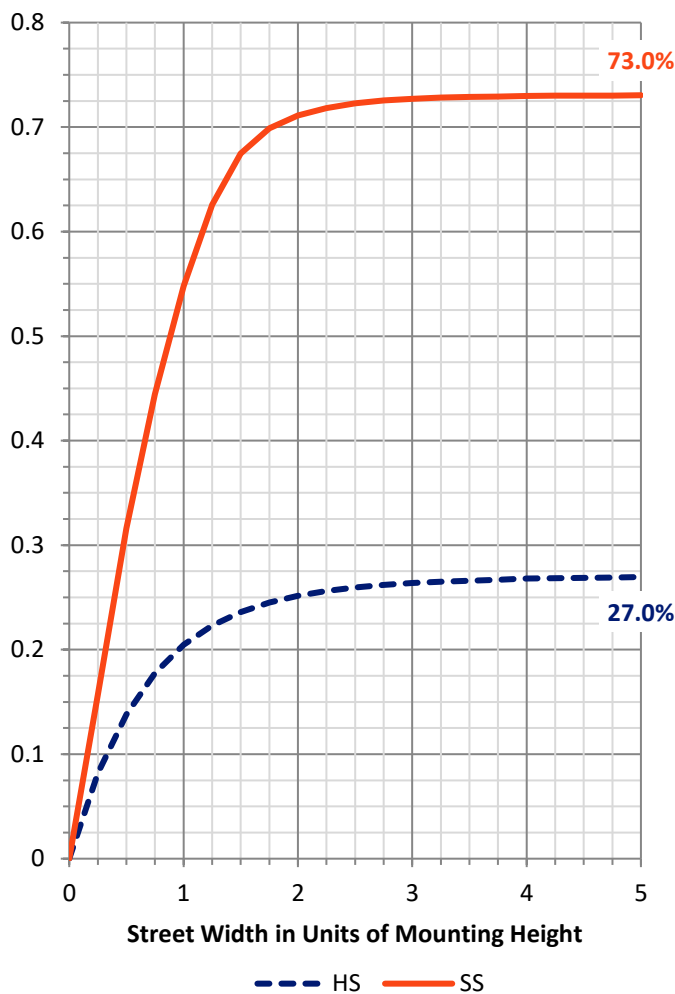
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1069.2	0.0	1069.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2883.2	0.0	2883.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	3952.4	0.0	3952.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.9
10°-20°	235.8	6.0
20°-30°	418.2	10.6
30°-40°	640.2	16.2
40°-50°	891.5	22.6
50°-60°	1021.5	25.8
60°-70°	524.8	13.3
70°-80°	132.1	3.3
80°-90°	14.1	0.4
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°	3952.4	100.0
0°-180°	3952.4	100.0

Coefficient of Utilization



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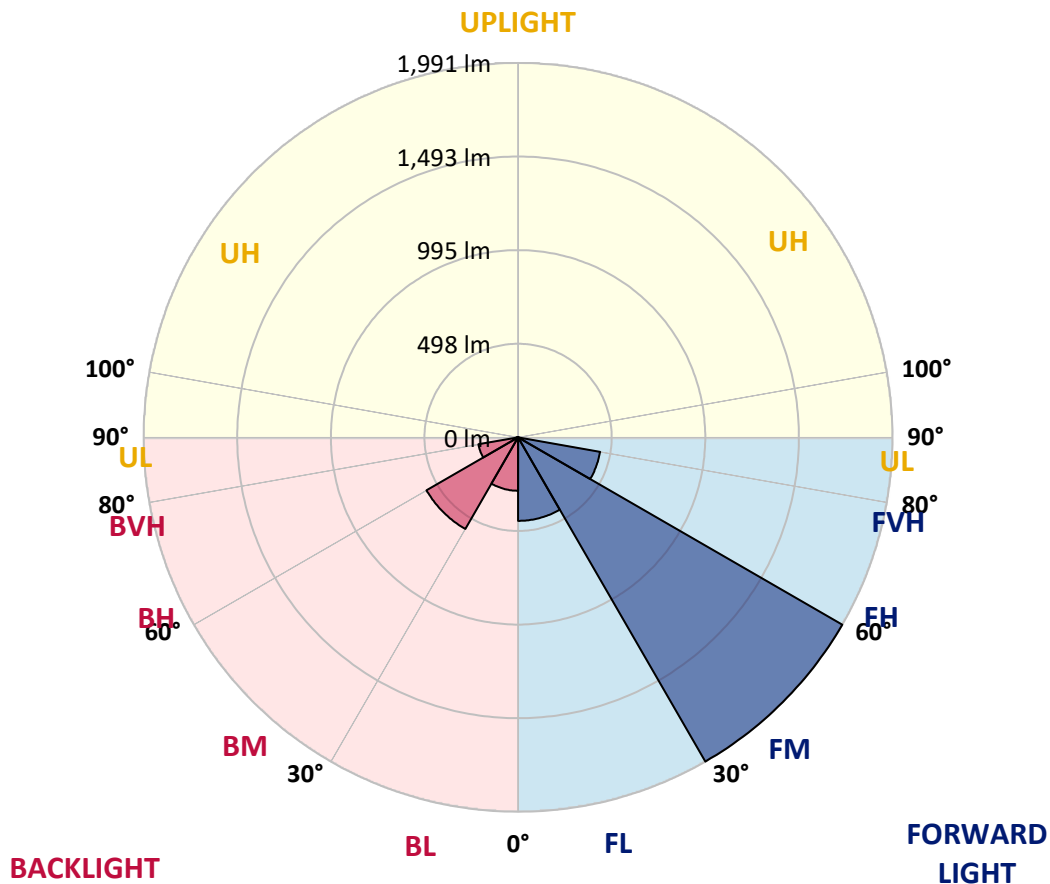
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.1	11.2			
FM (30°-60°)	1990.9	50.4			
FH (60°-80°)	443.0	11.2			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	284.0	7.2	B1/500		
BM (30°-60°)	562.3	14.2	B1/1000		
BH (60°-80°)	214.0	5.4	B1/500		G1/500
BVH (80°-90°)	8.9	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2
2.5°	795.2	797.3	795.2	798.6	791.8	788.8	781.3	770.1	761.3	759.9	750.0
5°	857.1	861.5	858.8	857.4	848.3	841.5	830.2	807.8	789.5	786.7	767.4
7.5°	896.9	899.9	899.9	900.9	897.5	889.7	877.8	851.3	825.5	821.4	792.2
10°	910.1	912.5	916.9	925.4	932.2	934.6	926.8	901.3	869.7	865.6	824.8
12.5°	913.2	915.9	922.7	938.3	957.0	974.0	975.4	956.7	921.3	916.9	862.5
15°	918.9	921.7	930.8	950.2	977.7	1010.4	1030.4	1017.5	978.4	973.7	905.4
17.5°	918.3	921.3	934.9	960.8	997.8	1045.0	1083.8	1089.2	1048.8	1040.6	954.0
20°	916.6	919.3	933.9	965.5	1011.4	1076.3	1146.3	1174.5	1131.0	1123.5	1010.7
22.5°	930.2	933.2	944.4	970.6	1018.5	1100.4	1204.1	1272.1	1228.6	1218.0	1076.0
25°	960.8	965.2	972.0	990.0	1031.4	1121.8	1263.2	1382.5	1338.0	1325.4	1147.0
27.5°	1008.0	1013.4	1022.9	1031.4	1060.3	1149.0	1322.0	1506.2	1461.7	1448.4	1222.1
30°	1065.8	1072.9	1085.1	1090.9	1110.6	1189.1	1385.9	1633.7	1607.8	1589.5	1306.7
32.5°	1145.6	1155.5	1167.0	1168.7	1180.6	1250.0	1449.1	1760.1	1759.7	1746.8	1402.9
35°	1249.6	1260.2	1262.5	1264.9	1270.7	1333.6	1525.6	1875.3	1919.8	1904.8	1507.6
37.5°	1363.1	1378.4	1382.2	1371.6	1379.8	1434.2	1611.6	1967.7	2059.1	2043.2	1608.8
40°	1484.5	1490.6	1500.8	1484.1	1494.3	1549.4	1695.8	2026.9	2163.1	2146.1	1688.7
42.5°	1571.5	1582.7	1598.0	1591.8	1597.6	1647.9	1755.0	2055.4	2237.2	2220.2	1746.1
45°	1665.9	1669.3	1679.2	1677.8	1681.2	1728.1	1797.5	2068.0	2303.5	2288.2	1795.1
47.5°	1748.2	1753.3	1759.7	1752.3	1744.8	1775.4	1832.1	2078.9	2380.0	2361.6	1846.4
50°	1827.4	1831.8	1839.6	1817.8	1790.0	1797.8	1849.1	2093.8	2451.7	2438.8	1886.8
52.5°	1842.0	1846.7	1883.4	1887.9	1852.2	1824.6	1879.0	2126.8	2493.8	2485.7	1901.5
55°	1658.1	1666.6	1739.7	1823.6	1911.6	1902.8	1926.9	2144.1	2510.5	2512.5	1927.6
57.5°	1287.0	1299.2	1406.0	1521.2	1706.4	1859.6	1933.1	2139.7	2504.7	2515.9	1954.5
60°	844.2	851.3	977.7	1106.9	1298.9	1511.0	1730.2	2060.2	2453.4	2469.3	1947.7
62.5°	509.8	517.9	619.5	717.4	830.6	972.3	1173.5	1655.7	2056.4	2092.1	1559.9
65°	355.8	366.7	455.7	536.3	575.4	546.1	594.4	924.7	1281.2	1296.2	953.3
67.5°	257.9	265.4	338.5	434.3	477.5	385.7	294.0	409.5	558.0	563.5	393.2
70°	168.9	177.4	243.7	330.7	389.8	312.7	219.9	221.6	234.8	237.6	228.4
72.5°	92.8	97.9	150.6	219.5	230.4	186.9	171.6	184.2	193.4	193.4	195.8
75°	47.9	52.3	61.5	72.4	87.3	102.3	123.7	142.4	152.3	152.9	151.9
77.5°	24.5	26.2	33.0	35.7	39.1	45.5	59.1	75.8	84.6	88.0	87.3
80°	11.6	12.2	13.9	16.3	20.1	25.5	31.9	38.1	43.5	44.2	47.9
82.5°	6.1	6.8	7.5	8.8	10.9	13.6	18.7	22.4	25.8	26.5	29.6
85°	2.4	2.7	3.1	3.4	4.8	5.8	7.8	10.5	12.9	12.9	15.3
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	1.4	1.7	2.4	2.4	4.1
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°	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2
2.5°	747.7	737.8	733.4	726.3	720.5	714.0	708.9	705.2	702.8	701.4	700.1
5°	759.9	744.9	733.1	718.8	708.9	699.4	691.6	686.2	683.4	681.4	680.0
7.5°	778.9	758.9	736.5	714.4	697.0	681.7	671.9	666.1	662.4	661.0	660.0
10°	805.1	777.2	740.2	705.2	679.4	662.7	655.9	653.2	653.5	652.8	652.5
12.5°	834.7	796.6	739.2	688.9	660.3	650.5	650.8	655.2	660.3	661.7	662.0
15°	866.6	815.6	729.3	667.8	645.4	646.4	655.2	665.8	675.3	679.0	679.7
17.5°	901.3	831.6	711.3	644.7	633.1	644.0	660.3	677.7	691.6	697.7	699.4
20°	940.0	845.2	685.8	621.9	621.6	639.6	663.4	686.2	703.8	712.0	713.3
22.5°	981.1	853.7	654.5	600.9	609.7	633.8	661.0	684.8	703.5	711.6	713.3
25°	1022.6	856.4	620.2	581.5	597.5	624.6	649.5	668.5	686.2	693.3	694.6
27.5°	1061.3	848.6	587.6	564.8	586.2	611.0	627.7	637.9	650.1	655.6	656.6
30°	1100.8	833.0	560.1	551.6	573.7	592.4	599.8	600.5	605.3	605.3	605.9
32.5°	1140.5	809.9	535.9	538.7	558.0	570.3	571.3	563.5	557.7	548.2	547.8
35°	1186.4	786.4	516.2	524.0	539.7	547.2	544.1	529.1	515.2	499.6	498.9
37.5°	1228.9	762.3	499.6	509.1	518.9	524.4	517.2	499.2	487.7	471.7	469.3
40°	1263.9	740.5	483.6	493.5	498.2	503.0	491.4	476.8	478.5	469.7	469.3
42.5°	1284.3	719.5	468.7	476.1	479.2	482.6	472.4	461.5	470.7	463.9	464.2
45°	1299.2	701.1	455.1	457.8	465.3	470.4	460.8	448.6	450.6	424.5	418.4
47.5°	1316.2	690.9	442.1	439.4	452.7	461.5	446.9	429.2	417.0	391.2	388.8
50°	1334.2	687.2	428.5	421.1	437.0	445.5	428.5	406.5	390.5	376.6	375.2
52.5°	1340.4	686.8	411.6	399.0	415.0	426.8	412.6	390.1	371.1	357.5	356.8
55°	1364.5	696.7	389.8	368.7	383.7	408.2	397.6	365.3	350.0	343.9	343.2
57.5°	1392.7	698.4	355.5	335.8	356.5	385.4	372.1	344.3	327.6	320.1	319.5
60°	1381.1	656.6	318.8	310.6	333.4	364.0	351.7	327.6	308.2	301.1	300.4
62.5°	1052.5	463.6	291.9	288.9	308.6	333.1	330.7	305.5	287.2	282.1	281.4
65°	633.1	325.6	266.1	265.8	279.7	303.1	306.2	285.8	266.4	259.3	259.3
67.5°	313.0	249.1	236.9	235.2	244.0	260.7	273.6	256.9	240.6	233.8	232.8
70°	221.2	219.5	215.5	210.7	212.4	219.2	224.6	210.7	193.4	186.6	185.2
72.5°	191.3	191.7	189.0	185.2	183.9	179.1	174.3	164.1	153.6	146.5	147.2
75°	148.5	149.2	150.9	149.5	145.8	140.7	135.6	122.7	114.2	107.4	106.0
77.5°	86.7	90.1	95.5	94.1	94.8	87.7	85.6	73.1	65.3	60.5	59.5
80°	48.9	51.0	53.4	55.1	53.0	50.0	45.5	38.7	36.4	33.0	32.3
82.5°	29.6	31.6	32.6	34.0	33.3	29.2	25.8	21.4	19.4	17.7	17.3
85°	15.0	16.3	17.3	18.0	16.0	13.3	11.9	9.5	8.2	7.1	7.1
87.5°	3.7	4.1	4.8	4.1	3.7	1.7	1.4	0.3	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)