

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: P629909

Luminaire Tested: GWS-SA1C-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629909
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4099.2 lumens
Efficiency: N/A
Efficacy: 120.2 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

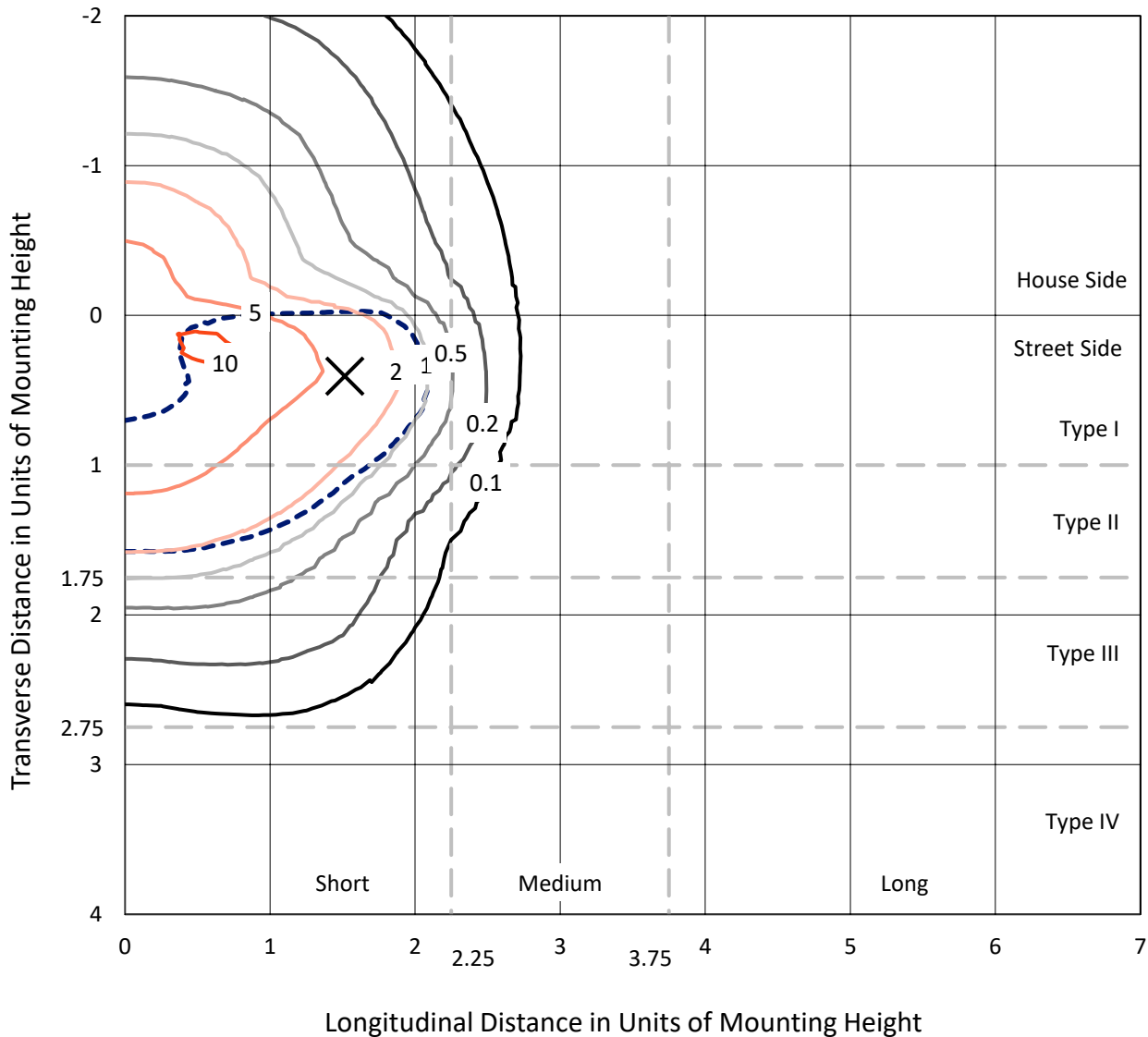
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

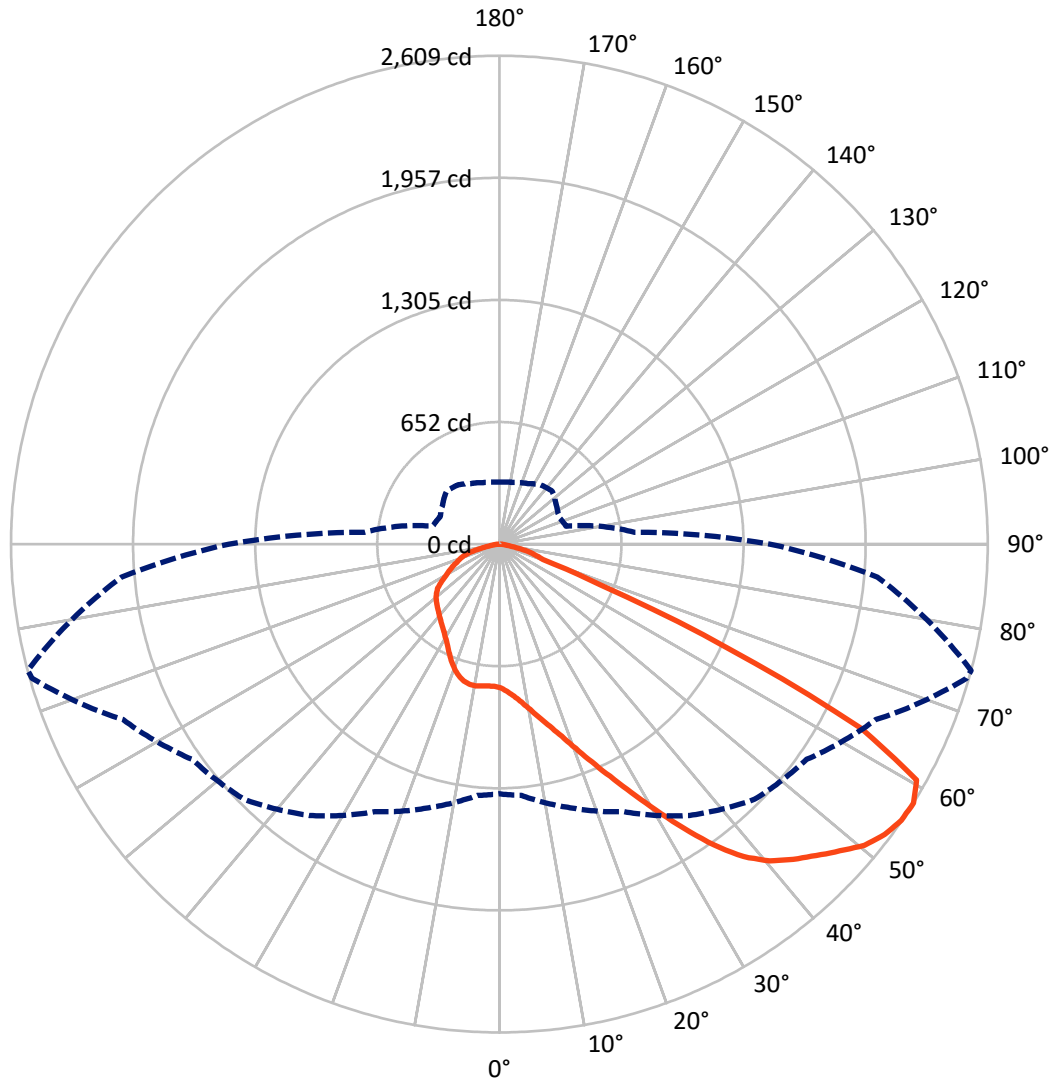
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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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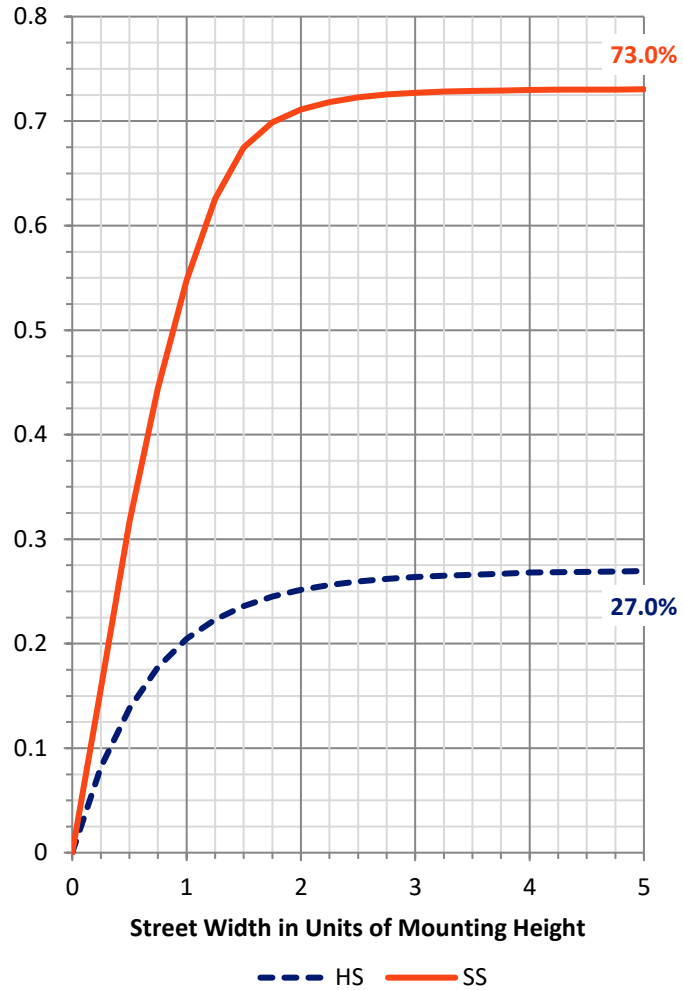
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1108.9	0.0	1108.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2990.3	0.0	2990.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	4099.2	0.0	4099.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	1.9
10°-20°	244.6	6.0
20°-30°	433.8	10.6
30°-40°	664.0	16.2
40°-50°	924.6	22.6
50°-60°	1059.4	25.8
60°-70°	544.3	13.3
70°-80°	137.0	3.3
80°-90°	14.7	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°	4099.2	100.0
0°-180°	4099.2	100.0

Coefficient of Utilization



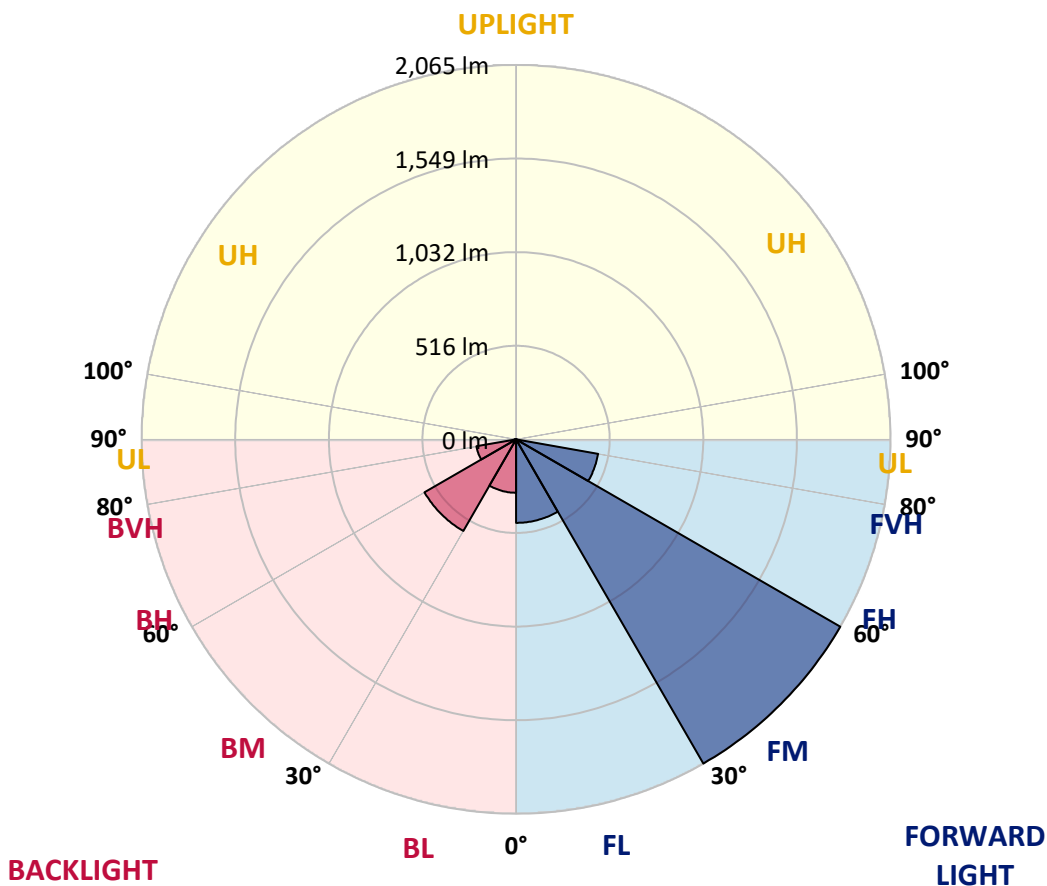
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	460.6	11.2			
FM (30°-60°)	2064.8	50.4			
FH (60°-80°)	459.5	11.2			G0/660
FVH (80°-90°)	5.4	0.1			G0/10
BL (0°-30°)	294.6	7.2	B1/500		
BM (30°-60°)	583.2	14.2	B1/1000		
BH (60°-80°)	221.9	5.4	B1/500		G1/500
BVH (80°-90°)	9.2	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°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7
2.5°	824.8	826.9	824.8	828.3	821.3	818.1	810.3	798.7	789.5	788.1	777.9
5°	888.9	893.5	890.7	889.3	879.8	872.7	861.1	837.8	818.8	816.0	795.9
7.5°	930.2	933.3	933.3	934.4	930.9	922.8	910.4	882.9	856.2	851.9	821.6
10°	943.9	946.4	951.0	959.8	966.8	969.3	961.2	934.8	902.0	897.7	855.4
12.5°	947.1	949.9	957.0	973.2	992.6	1010.2	1011.6	992.2	955.5	951.0	894.6
15°	953.1	955.9	965.4	985.5	1014.1	1047.9	1068.7	1055.3	1014.8	1009.8	939.0
17.5°	952.4	955.5	969.6	996.4	1034.9	1083.8	1124.0	1129.7	1087.7	1079.3	989.4
20°	950.6	953.4	968.6	1001.4	1049.0	1116.3	1188.9	1218.1	1173.0	1165.3	1048.2
22.5°	964.7	967.9	979.5	1006.7	1056.4	1141.3	1248.8	1319.3	1274.2	1263.3	1115.9
25°	996.4	1001.0	1008.1	1026.7	1069.7	1163.5	1310.1	1433.9	1387.7	1374.6	1189.6
27.5°	1045.4	1051.1	1060.9	1069.7	1099.7	1191.7	1371.1	1562.2	1516.0	1502.2	1267.5
30°	1105.3	1112.8	1125.4	1131.4	1151.9	1233.3	1437.4	1694.3	1667.5	1648.5	1355.3
32.5°	1188.2	1198.4	1210.4	1212.1	1224.5	1296.4	1502.9	1825.4	1825.1	1811.7	1455.0
35°	1296.0	1307.0	1309.4	1311.9	1317.9	1383.1	1582.2	1944.9	1991.1	1975.6	1563.6
37.5°	1413.8	1429.6	1433.5	1422.6	1431.0	1487.4	1671.4	2040.8	2135.6	2119.1	1668.6
40°	1539.6	1545.9	1556.5	1539.2	1549.8	1606.9	1758.8	2102.1	2243.5	2225.9	1751.4
42.5°	1629.8	1641.5	1657.3	1651.0	1657.0	1709.1	1820.2	2131.7	2320.3	2302.7	1811.0
45°	1727.8	1731.3	1741.6	1740.1	1743.7	1792.3	1864.2	2144.8	2389.0	2373.2	1861.8
47.5°	1813.1	1818.4	1825.1	1817.3	1809.6	1841.3	1900.2	2156.1	2468.4	2449.3	1915.0
50°	1895.2	1899.8	1907.9	1885.4	1856.5	1864.6	1917.8	2171.6	2542.7	2529.3	1956.9
52.5°	1910.4	1915.3	1953.4	1958.0	1921.0	1892.4	1948.8	2205.8	2586.4	2578.0	1972.1
55°	1719.7	1728.5	1804.3	1891.4	1982.6	1973.5	1998.5	2223.7	2603.7	2605.8	1999.2
57.5°	1334.8	1347.5	1458.2	1577.7	1769.8	1928.7	2004.9	2219.2	2597.7	2609.3	2027.1
60°	875.5	882.9	1014.1	1148.0	1347.1	1567.1	1794.4	2136.7	2544.5	2561.1	2020.0
62.5°	528.7	537.2	642.6	744.1	861.4	1008.4	1217.1	1717.2	2132.8	2169.8	1617.8
65°	369.0	380.3	472.7	556.2	596.7	566.4	616.5	959.1	1328.8	1344.3	988.7
67.5°	267.5	275.3	351.1	450.5	495.2	400.1	304.9	424.7	578.8	584.4	407.8
70°	175.2	184.0	252.7	343.0	404.3	324.3	228.0	229.8	243.6	246.4	236.9
72.5°	96.2	101.5	156.1	227.7	239.0	193.9	178.0	191.0	200.6	200.6	203.0
75°	49.7	54.3	63.8	75.1	90.6	106.1	128.3	147.7	157.9	158.6	157.6
77.5°	25.4	27.1	34.2	37.0	40.5	47.2	61.3	78.6	87.8	91.3	90.6
80°	12.0	12.7	14.5	16.9	20.8	26.4	33.1	39.5	45.1	45.8	49.7
82.5°	6.3	7.0	7.8	9.2	11.3	14.1	19.4	23.3	26.8	27.5	30.7
85°	2.5	2.8	3.2	3.5	4.9	6.0	8.1	10.9	13.4	13.4	15.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.7	1.4	1.8	2.5	2.5	4.2
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°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7
2.5°	775.4	765.2	760.6	753.2	747.2	740.5	735.3	731.4	728.9	727.5	726.1
5°	788.1	772.6	760.3	745.5	735.3	725.4	717.3	711.6	708.8	706.7	705.3
7.5°	807.9	787.1	763.8	740.9	722.9	707.1	696.8	690.8	687.0	685.6	684.5
10°	835.0	806.1	767.7	731.4	704.6	687.3	680.3	677.4	677.8	677.1	676.7
12.5°	865.7	826.2	766.6	714.5	684.9	674.6	675.0	679.6	684.9	686.3	686.6
15°	898.8	845.9	756.4	692.6	669.3	670.4	679.6	690.5	700.4	704.2	704.9
17.5°	934.8	862.5	737.7	668.6	656.7	667.9	684.9	702.8	717.3	723.6	725.4
20°	974.9	876.6	711.3	645.0	644.7	663.4	688.0	711.6	730.0	738.4	739.8
22.5°	1017.6	885.4	678.9	623.2	632.3	657.4	685.6	710.2	729.6	738.1	739.8
25°	1060.6	888.2	643.3	603.1	619.6	647.8	673.6	693.3	711.6	719.0	720.5
27.5°	1100.8	880.1	609.4	585.8	608.0	633.7	651.0	661.6	674.3	679.9	681.0
30°	1141.7	863.9	580.9	572.1	595.0	614.4	622.1	622.8	627.8	627.8	628.5
32.5°	1182.9	839.9	555.8	558.7	578.8	591.4	592.5	584.4	578.4	568.5	568.2
35°	1230.5	815.6	535.4	543.5	559.7	567.5	564.3	548.8	534.3	518.1	517.4
37.5°	1274.5	790.6	518.1	528.0	538.2	543.9	536.5	517.8	505.8	489.2	486.8
40°	1310.8	768.0	501.6	511.8	516.7	521.7	509.7	494.5	496.3	487.1	486.8
42.5°	1332.0	746.2	486.1	493.8	497.0	500.5	489.9	478.7	488.2	481.1	481.5
45°	1347.5	727.1	472.0	474.8	482.5	487.8	478.0	465.3	467.4	440.2	433.9
47.5°	1365.1	716.6	458.6	455.7	469.5	478.7	463.5	445.2	432.5	405.7	403.2
50°	1383.8	712.7	444.5	436.7	453.3	462.1	444.5	421.6	405.0	390.5	389.1
52.5°	1390.1	712.3	426.8	413.8	430.4	442.7	427.9	404.6	384.9	370.8	370.1
55°	1415.2	722.6	404.3	382.4	397.9	423.3	412.4	378.9	363.0	356.7	356.0
57.5°	1444.4	724.3	368.7	348.2	369.7	399.7	386.0	357.1	339.8	332.0	331.3
60°	1432.4	681.0	330.6	322.2	345.8	377.5	364.8	339.8	319.7	312.3	311.6
62.5°	1091.6	480.8	302.8	299.6	320.0	345.4	343.0	316.9	297.8	292.6	291.8
65°	656.7	337.7	276.0	275.6	290.1	314.4	317.6	296.4	276.3	268.9	268.9
67.5°	324.6	258.4	245.7	243.9	253.1	270.3	283.7	266.5	249.5	242.5	241.4
70°	229.5	227.7	223.5	218.5	220.3	227.3	233.0	218.5	200.6	193.5	192.1
72.5°	198.4	198.8	196.0	192.1	190.7	185.8	180.8	170.2	159.3	151.9	152.6
75°	154.0	154.7	156.5	155.1	151.2	145.9	140.6	127.2	118.4	111.4	110.0
77.5°	89.9	93.4	99.0	97.6	98.3	90.9	88.8	75.8	67.7	62.7	61.7
80°	50.8	52.9	55.3	57.1	55.0	51.8	47.2	40.2	37.7	34.2	33.5
82.5°	30.7	32.8	33.8	35.2	34.5	30.3	26.8	22.2	20.1	18.3	18.0
85°	15.5	16.9	18.0	18.7	16.6	13.7	12.3	9.9	8.5	7.4	7.4
87.5°	3.9	4.2	4.9	4.2	3.9	1.8	1.4	0.4	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)