

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: P629719

Luminaire Tested: GWS-SA1C-730-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-730-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3296.5 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

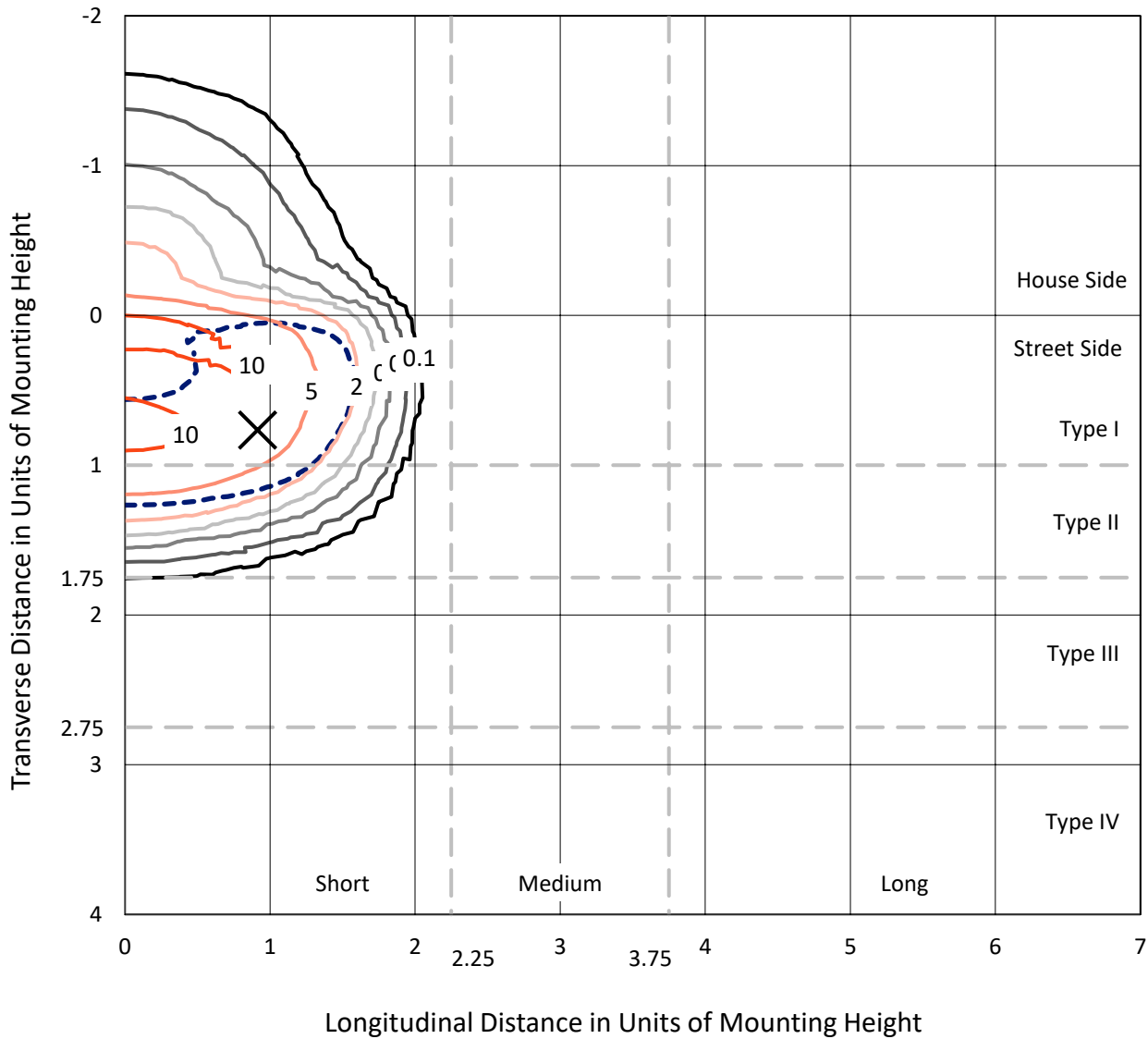
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629719
 CATALOG NUMBER: GWS-SA1C-730-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

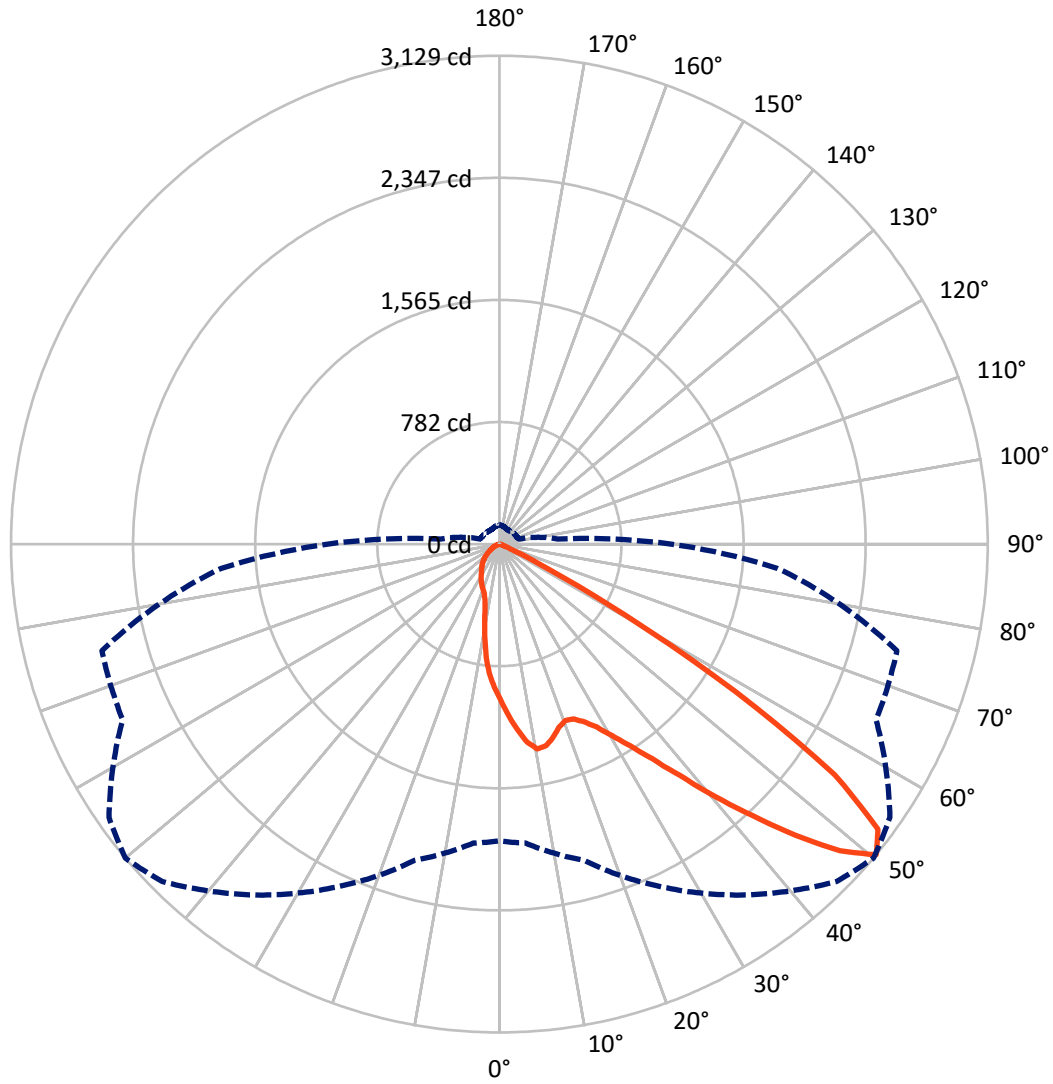
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Short - N/A

REPORT NUMBER: P629719
CATALOG NUMBER: GWS-SA1C-730-U-AFL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P629719
 CATALOG NUMBER: GWS-SA1C-730-U-AFL-W-GRSBK

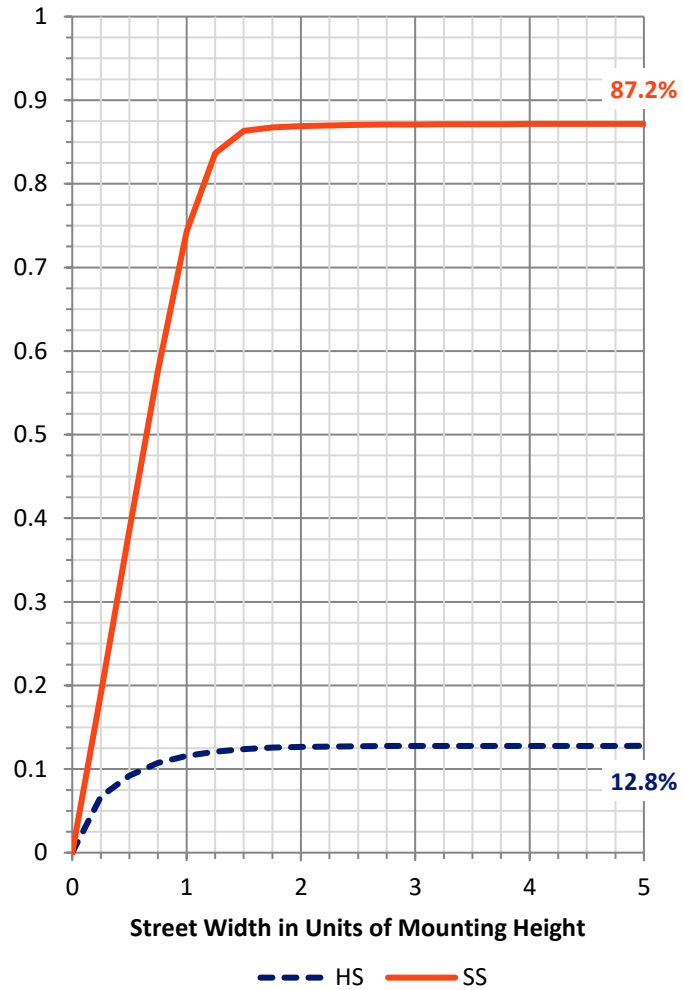
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	423.6	0.0	423.6
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	2873.0	0.0	2873.0
	% Fixture	87.2	0.0	87.2
Total	Lumens	3296.5	0.0	3296.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	2.8
10°-20°	239.0	7.3
20°-30°	394.5	12.0
30°-40°	651.0	19.7
40°-50°	1030.0	31.2
50°-60°	779.8	23.7
60°-70°	97.6	3.0
70°-80°	11.0	0.3
80°-90°	0.9	0.0
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°	3296.5	100.0
0°-180°	3296.5	100.0

Coefficient of Utilization



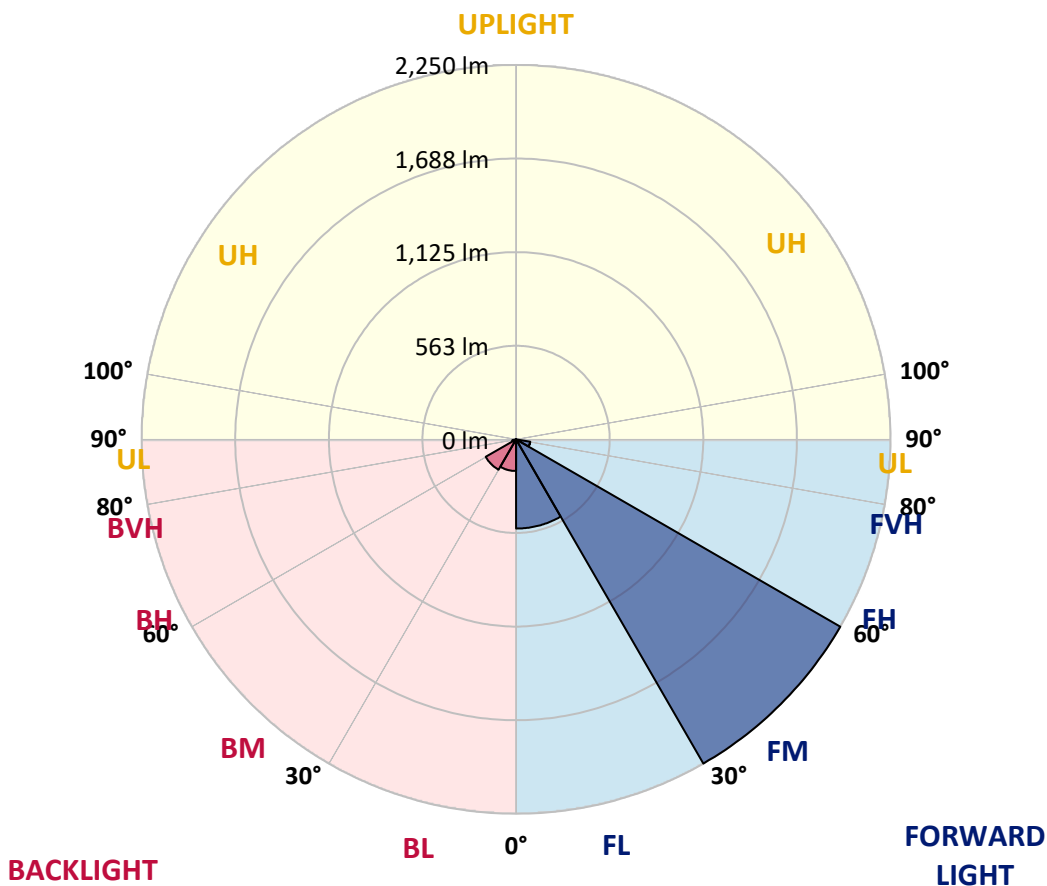
REPORT NUMBER: P629719

CATALOG NUMBER: GWS-SA1C-730-U-AFL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.1	16.3			
FM (30°-60°)	2250.2	68.3			
FH (60°-80°)	86.3	2.6			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	190.1	5.8	B1/500		
BM (30°-60°)	210.6	6.4	B0/220		
BH (60°-80°)	22.3	0.7	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





REPORT NUMBER: P629719
 CATALOG NUMBER: GWS-SA1C-730-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7
2.5°	1138.0	1147.1	1144.6	1132.7	1119.8	1110.7	1096.6	1092.2	1060.2	1037.9	1014.4
5°	1275.4	1278.3	1275.1	1260.7	1238.1	1216.5	1193.2	1179.7	1126.1	1077.8	1028.5
7.5°	1308.4	1304.9	1310.9	1318.1	1315.0	1305.6	1281.1	1266.3	1202.3	1123.6	1048.9
10°	1205.5	1197.6	1219.9	1257.2	1296.5	1340.7	1334.4	1335.7	1276.7	1181.3	1075.6
12.5°	1069.0	1065.9	1082.5	1125.8	1202.7	1303.1	1327.2	1367.7	1344.8	1243.8	1106.0
15°	1009.1	1010.6	1020.7	1048.0	1103.2	1228.1	1286.1	1359.2	1405.7	1304.3	1139.6
17.5°	1018.2	1023.8	1023.5	1032.6	1066.2	1166.3	1234.0	1332.6	1452.7	1374.0	1178.2
20°	1080.0	1085.6	1077.1	1070.2	1081.5	1150.6	1206.7	1305.6	1484.4	1444.3	1219.0
22.5°	1172.5	1179.1	1159.0	1139.3	1132.1	1176.3	1217.1	1294.6	1508.6	1508.6	1255.4
25°	1284.5	1293.6	1262.6	1227.4	1207.4	1230.6	1261.3	1319.4	1533.4	1566.3	1280.2
27.5°	1409.7	1410.1	1383.4	1343.8	1306.2	1309.0	1327.5	1375.2	1560.7	1628.4	1299.6
30°	1550.6	1551.6	1516.1	1468.7	1421.3	1408.5	1424.2	1460.3	1617.4	1706.6	1326.6
32.5°	1732.6	1737.0	1686.2	1616.5	1555.0	1530.9	1540.0	1577.9	1707.8	1804.5	1367.1
35°	1978.6	1983.3	1908.3	1816.4	1718.5	1682.1	1691.2	1729.5	1838.7	1943.4	1431.7
37.5°	2221.4	2227.7	2151.8	2066.1	1931.8	1871.6	1881.0	1917.4	2035.1	2135.5	1535.2
40°	2389.3	2397.8	2374.2	2316.5	2192.0	2112.9	2124.2	2137.4	2251.3	2365.1	1669.5
42.5°	2477.8	2489.7	2499.8	2529.2	2463.7	2397.5	2378.3	2379.3	2471.2	2599.2	1809.2
45°	2483.1	2494.7	2546.2	2660.1	2710.0	2696.2	2661.3	2637.8	2639.1	2755.2	1896.4
47.5°	2310.6	2332.2	2428.5	2651.6	2839.2	2953.8	2936.2	2880.3	2709.7	2765.5	1887.0
50°	1901.7	1923.1	2098.1	2419.1	2745.1	3056.7	3129.2	3054.2	2663.5	2636.6	1790.0
52.5°	1381.2	1383.4	1497.0	1871.9	2363.6	2866.9	3037.5	3030.3	2593.3	2480.3	1657.6
55°	656.1	648.2	775.9	1056.4	1634.7	2318.7	2606.4	2688.0	2493.5	2367.3	1555.0
57.5°	191.1	194.8	251.6	412.3	817.7	1481.9	1785.0	1936.9	2046.7	1946.3	1206.1
60°	85.7	86.0	95.7	125.5	272.3	689.3	922.8	1110.7	1223.7	1133.9	598.3
62.5°	62.1	62.4	66.2	70.9	92.6	233.4	346.1	461.2	469.7	307.5	151.5
65°	51.8	51.8	52.4	52.4	55.5	83.5	105.1	135.5	114.2	84.7	59.3
67.5°	41.7	42.0	42.7	42.7	41.7	41.7	45.2	49.6	53.0	65.6	54.6
70°	32.6	32.3	32.3	32.6	31.7	27.0	29.2	33.3	36.4	51.1	47.4
72.5°	25.4	25.7	25.4	24.2	22.0	16.0	17.3	21.6	23.2	32.0	32.0
75°	19.1	19.5	18.2	13.8	9.1	5.0	6.6	10.7	13.5	15.7	11.6
77.5°	2.5	2.5	1.9	1.9	1.6	1.9	1.9	2.5	3.8	3.8	2.8
80°	0.3	0.3	0.3	0.6	0.9	1.3	1.3	1.3	1.3	1.6	1.6
82.5°	0.3	0.3	0.3	0.3	0.9	0.9	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.3	0.6	0.9	0.9	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.3	0.6	0.9	0.9	0.9	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



REPORT NUMBER: P629719

CATALOG NUMBER: GWS-SA1C-730-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7
2.5°	1000.3	982.1	960.1	945.1	923.7	909.6	889.5	876.0	864.4	855.3	860.3
5°	1000.6	971.7	926.9	888.6	846.8	808.6	767.5	735.1	706.0	692.8	700.0
7.5°	1006.9	965.4	896.7	828.6	748.6	669.6	595.5	535.3	505.5	491.4	495.7
10°	1019.1	962.6	863.2	750.2	620.3	512.4	440.5	399.7	383.1	374.3	375.9
12.5°	1030.4	960.7	819.5	647.0	489.5	397.5	360.2	354.6	358.0	358.3	358.0
15°	1045.8	957.3	765.6	540.9	391.6	343.6	344.5	352.7	360.8	363.3	362.7
17.5°	1062.1	952.0	695.9	439.3	332.3	327.9	338.9	349.8	358.0	359.3	359.6
20°	1079.0	941.0	616.5	358.6	304.7	316.0	328.2	336.4	342.3	344.2	344.8
22.5°	1086.9	917.8	524.9	300.9	286.2	301.2	310.3	321.0	322.9	316.0	317.2
25°	1082.8	878.5	435.5	262.0	267.6	282.7	296.2	290.9	283.0	278.0	279.6
27.5°	1069.9	826.5	348.0	233.4	247.9	267.0	268.6	262.6	261.4	257.3	258.5
30°	1056.1	766.5	279.9	210.5	227.8	247.9	243.2	245.4	245.7	241.0	242.5
32.5°	1047.7	703.8	222.8	195.2	214.9	218.7	228.1	232.5	232.8	221.8	223.7
35°	1050.5	642.0	188.6	182.6	203.0	202.1	215.2	217.8	199.6	184.5	186.1
37.5°	1073.4	584.9	169.1	172.9	182.3	189.5	199.6	182.9	178.8	171.9	172.9
40°	1116.1	536.2	157.5	166.9	168.2	179.8	164.4	166.6	166.9	162.5	163.5
42.5°	1165.9	495.7	150.6	163.5	160.3	162.2	146.8	151.2	155.9	154.1	154.4
45°	1191.0	456.2	144.6	151.5	152.5	134.6	131.2	135.9	141.8	142.8	143.1
47.5°	1168.8	418.6	138.4	134.3	140.6	122.7	118.6	120.2	127.1	130.8	131.5
50°	1100.7	375.3	129.0	118.9	115.5	110.1	106.4	106.7	114.5	121.1	122.4
52.5°	1005.0	330.1	113.6	100.7	92.9	97.0	97.9	96.0	103.2	109.8	111.1
55°	912.1	273.6	90.1	81.9	74.7	83.5	86.0	83.5	85.7	90.1	90.4
57.5°	642.3	154.7	69.0	67.8	61.8	71.5	75.6	71.9	68.1	70.9	71.5
60°	297.8	81.0	53.0	53.0	51.5	61.5	68.4	63.1	55.8	57.1	58.0
62.5°	93.2	51.1	38.9	36.7	42.0	52.4	58.0	52.7	44.2	44.2	45.5
65°	52.7	43.9	30.7	28.2	34.2	42.0	45.5	39.8	32.3	31.7	31.7
67.5°	48.9	41.7	27.3	22.9	24.2	27.0	28.2	24.5	22.3	22.0	22.3
70°	40.5	34.8	22.0	15.7	14.7	14.4	15.1	14.1	13.5	13.8	14.7
72.5°	25.1	21.0	13.8	9.4	8.2	7.8	7.8	7.8	7.5	7.5	7.5
75°	9.1	7.8	6.3	4.7	4.1	3.8	3.8	4.1	3.8	3.5	3.1
77.5°	2.8	2.5	2.5	2.5	2.2	1.9	1.6	1.6	1.3	0.9	0.9
80°	1.6	1.6	1.6	1.6	1.3	1.3	0.9	0.6	0.3	0.3	0.0
82.5°	1.6	1.6	1.6	1.3	1.3	1.3	0.9	0.6	0.3	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	0.9	0.6	0.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.9	0.6	0.3	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)