

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: P629447

Luminaire Tested: GWS-SA1B-760-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3682.1 lumens
Efficiency: N/A
Efficacy: 147.3 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): 25
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

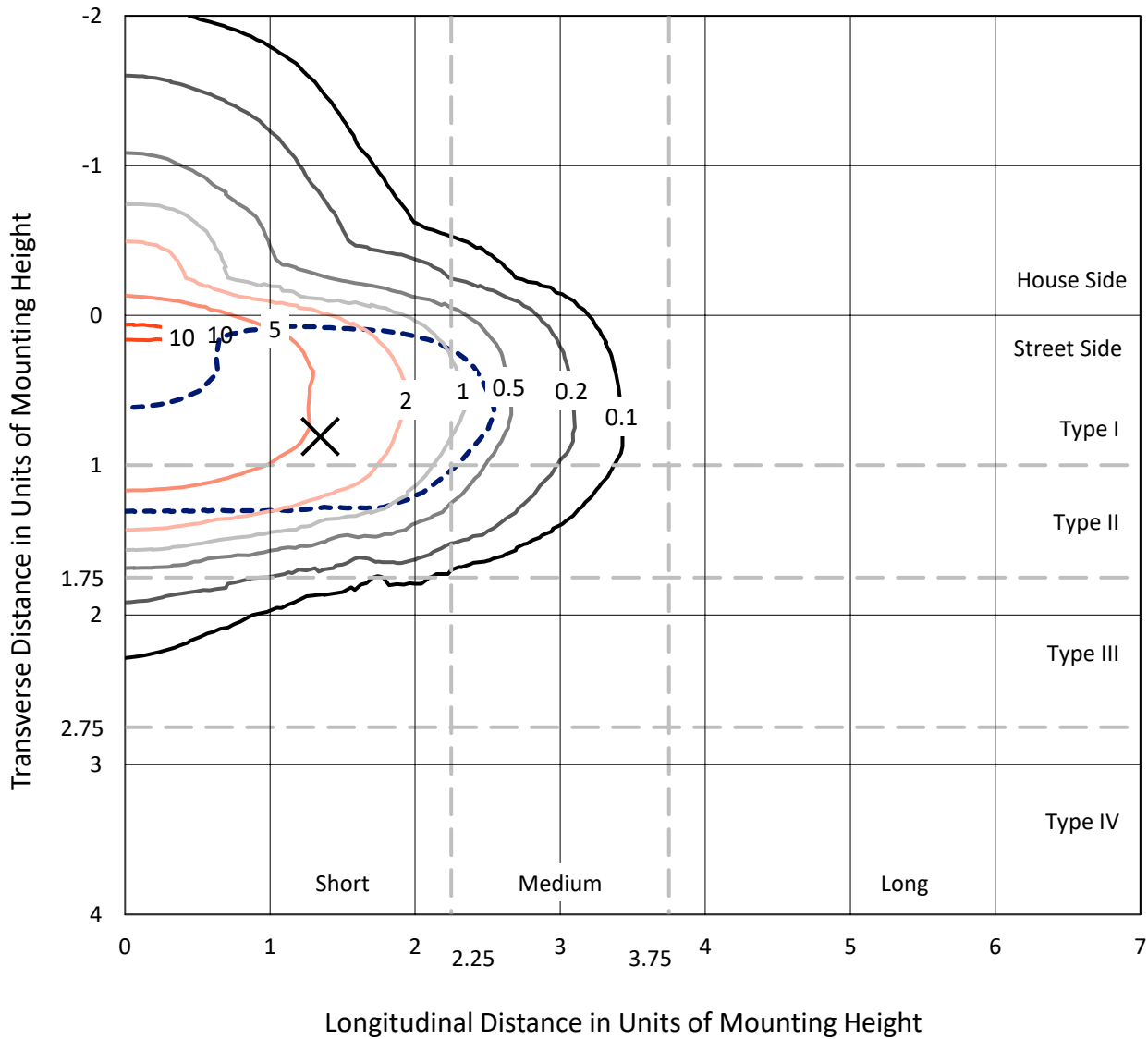


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Iso-Footcandle Lines of Horizontal Illumination

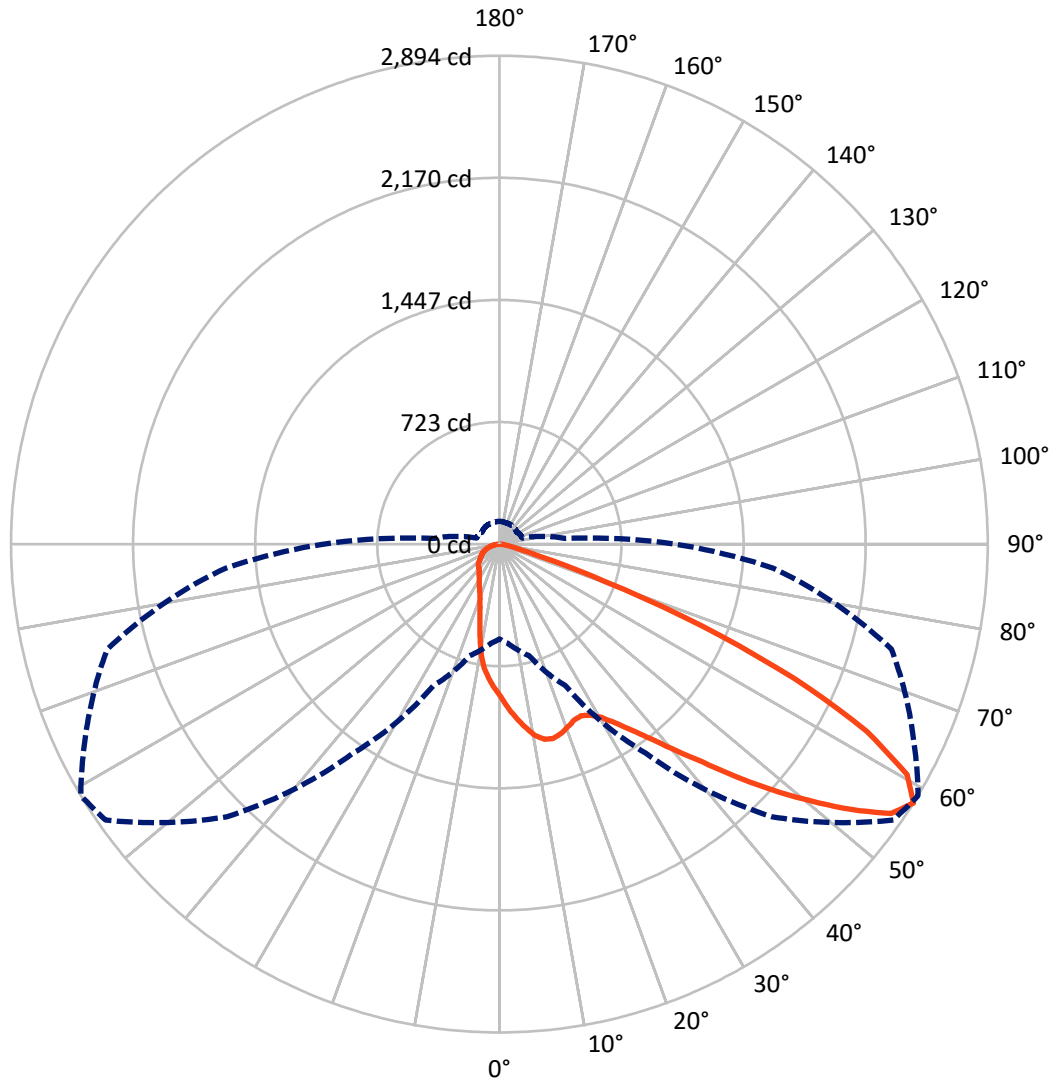
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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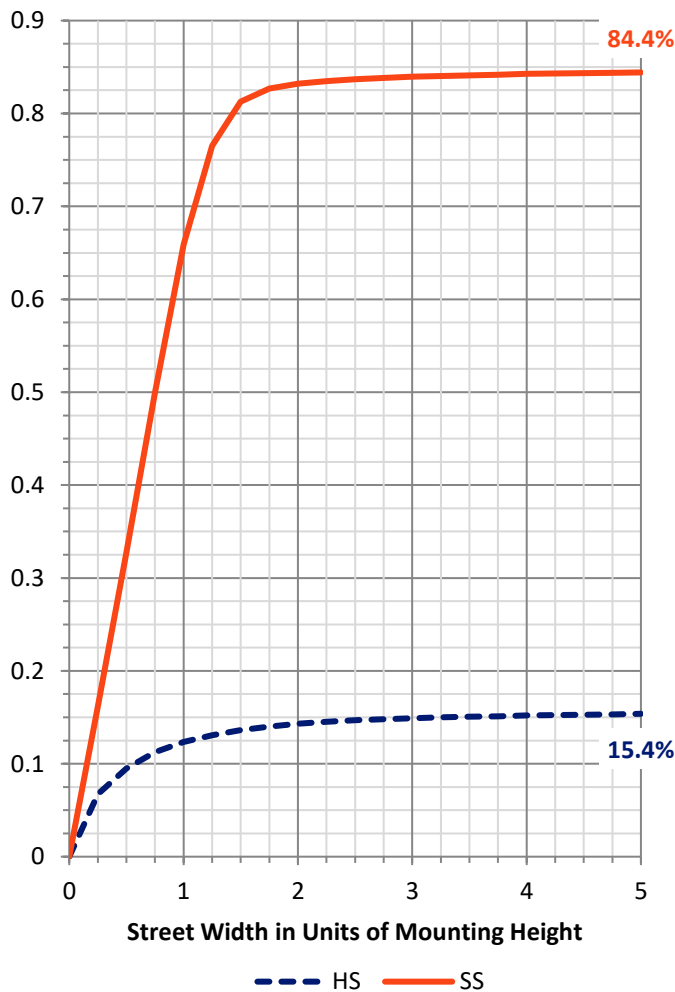
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	571.4	0.0	571.4
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	3110.7	0.0	3110.7
	% Fixture	84.5	0.0	84.5
Total	Lumens	3682.1	0.0	3682.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	2.3
10°-20°	212.7	5.8
20°-30°	344.7	9.4
30°-40°	554.6	15.1
40°-50°	861.2	23.4
50°-60°	927.6	25.2
60°-70°	538.4	14.6
70°-80°	140.5	3.8
80°-90°	18.5	0.5
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°	3682.1	100.0
0°-180°	3682.1	100.0

Coefficient of Utilization



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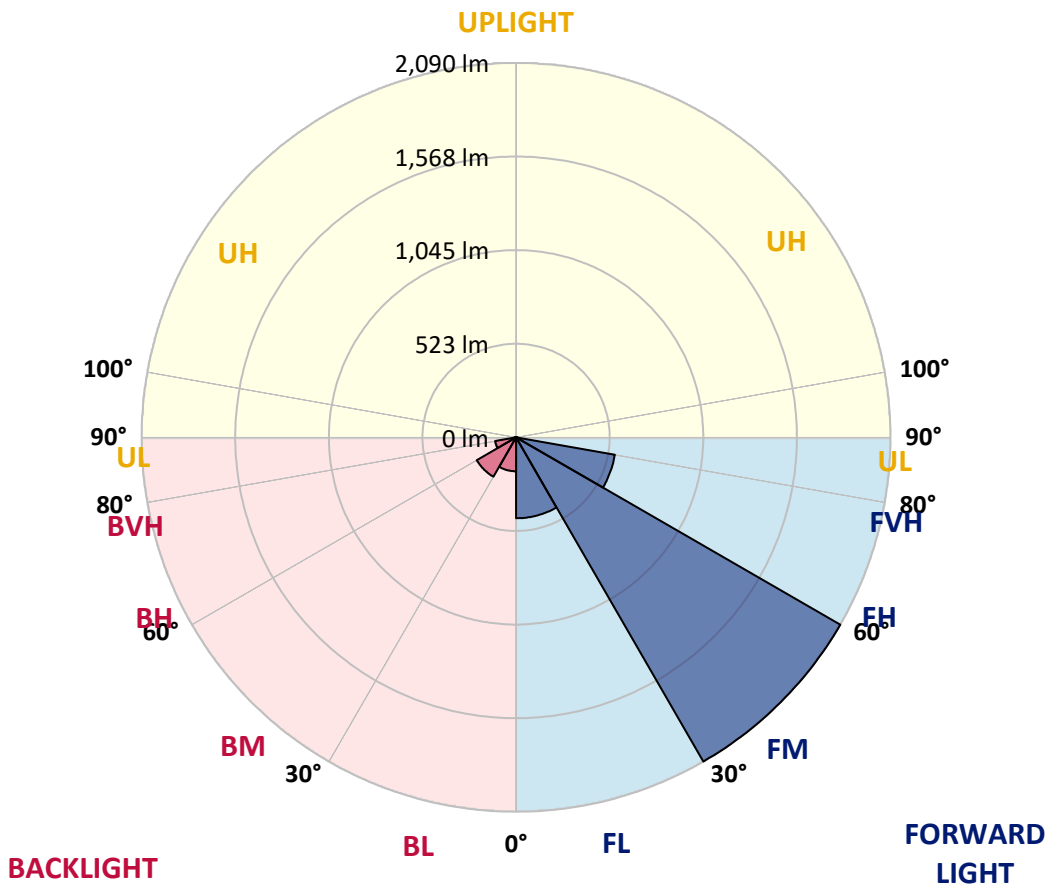
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.8	12.3			
FM (30°-60°)	2090.0	56.8			
FH (60°-80°)	560.0	15.2			G0/660
FVH (80°-90°)	8.9	0.2			G0/10
BL (0°-30°)	189.6	5.1	B1/500		
BM (30°-60°)	253.4	6.9	B1/1000		
BH (60°-80°)	118.9	3.2	B1/500		G1/500
BVH (80°-90°)	9.7	0.3			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°	59°	65°	75°	85°
0°	903.9	903.9	903.9	903.9	903.9	903.9	903.9	903.9	903.9	903.9	903.9
2.5°	1025.2	1016.6	1022.6	1012.0	1007.6	995.9	980.9	970.8	955.2	935.0	917.4
5°	1127.1	1121.1	1122.4	1111.0	1100.9	1081.4	1050.6	1033.5	1007.0	966.4	928.5
7.5°	1124.0	1131.0	1134.8	1144.7	1147.5	1145.7	1118.0	1094.1	1065.1	1003.9	946.9
10°	1007.6	1020.8	1032.7	1066.4	1107.4	1159.2	1165.7	1151.4	1122.1	1051.9	968.9
12.5°	880.8	890.9	901.5	942.0	1004.7	1108.4	1178.6	1187.5	1175.8	1099.3	993.8
15°	818.6	823.3	833.4	860.1	910.1	1025.2	1156.1	1194.7	1215.7	1149.6	1021.8
17.5°	816.0	818.1	823.0	837.3	872.0	960.9	1115.4	1180.2	1247.1	1202.8	1054.5
20°	869.7	864.2	861.1	860.9	878.0	939.4	1076.0	1156.9	1261.9	1257.2	1089.5
22.5°	944.1	945.9	939.1	922.5	920.5	954.7	1056.3	1133.3	1266.3	1305.4	1121.9
25°	1049.6	1058.6	1038.7	1007.0	991.5	999.0	1068.5	1126.0	1265.7	1345.6	1142.1
27.5°	1172.7	1179.7	1159.5	1118.0	1085.9	1067.7	1104.8	1147.5	1270.2	1380.3	1154.3
30°	1312.9	1315.3	1287.5	1244.0	1197.1	1158.2	1165.2	1191.9	1292.7	1425.9	1168.5
32.5°	1484.3	1494.1	1452.1	1383.2	1317.6	1267.8	1246.3	1263.4	1341.4	1479.9	1190.6
35°	1701.7	1705.1	1651.7	1553.0	1460.2	1391.2	1346.1	1355.2	1415.6	1555.3	1223.8
37.5°	1906.8	1910.2	1853.4	1761.6	1628.9	1534.6	1469.2	1465.1	1510.4	1661.8	1277.9
40°	2036.9	2046.5	2021.1	1963.6	1836.8	1709.5	1620.9	1606.6	1634.9	1792.2	1353.4
42.5°	2106.9	2111.0	2110.5	2118.0	2042.6	1916.1	1792.0	1763.4	1782.4	1933.0	1429.6
45°	2107.4	2117.8	2145.5	2217.8	2221.2	2142.4	2008.1	1963.6	1946.2	2074.8	1509.1
47.5°	2013.1	2024.2	2100.4	2242.7	2347.7	2365.6	2267.1	2177.7	2104.6	2196.8	1574.5
50°	1727.4	1755.4	1900.6	2152.3	2372.6	2544.5	2514.1	2392.8	2245.3	2291.2	1615.4
52.5°	1479.3	1478.3	1567.7	1896.7	2268.6	2623.3	2753.1	2614.2	2384.5	2351.1	1625.8
55°	1083.3	1089.2	1180.7	1450.6	1991.3	2547.0	2884.5	2817.9	2544.2	2383.0	1621.6
57.5°	561.7	591.3	685.1	925.7	1513.0	2284.7	2849.5	2893.9	2706.5	2405.5	1627.1
60°	283.8	278.1	311.8	442.0	876.7	1784.4	2633.9	2775.2	2735.8	2423.1	1630.5
62.5°	189.5	187.9	178.6	204.8	358.2	1056.8	2245.3	2443.4	2532.3	2381.7	1587.4
65°	164.1	161.0	143.9	142.8	173.9	438.3	1645.8	1920.8	2092.9	2197.4	1484.5
67.5°	147.8	143.1	125.7	117.2	124.9	192.6	927.5	1288.3	1545.4	1858.3	1259.0
70°	131.9	129.6	112.2	99.8	99.0	117.4	341.6	664.9	945.6	1267.8	920.5
72.5°	118.2	114.1	99.3	87.4	81.4	83.2	148.3	256.1	489.4	790.9	550.6
75°	102.4	99.3	86.3	74.4	67.1	60.9	90.5	118.5	223.2	375.9	260.0
77.5°	79.1	77.0	68.2	59.1	55.0	45.4	55.0	74.7	103.2	158.4	135.3
80°	45.9	47.2	50.8	46.1	40.4	32.4	35.8	43.0	62.0	85.8	76.7
82.5°	23.1	24.6	32.9	26.7	24.1	18.9	21.3	25.4	32.4	47.4	30.1
85°	1.8	1.8	6.0	6.7	8.3	6.7	8.6	10.4	14.8	18.9	10.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.3	2.3	4.4	2.9
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°	903.9	903.9	903.9	903.9	903.9	903.9	903.9	903.9	903.9	903.9	903.9
2.5°	905.4	892.2	876.4	863.4	843.5	832.9	819.4	802.8	796.0	792.9	791.1
5°	907.3	883.9	850.2	819.1	784.6	757.4	727.1	695.5	677.3	672.9	669.8
7.5°	914.0	881.3	827.7	776.3	712.3	653.0	595.2	537.9	508.6	497.4	496.4
10°	923.3	880.3	804.9	719.6	611.5	517.7	450.0	405.2	386.2	380.0	377.9
12.5°	935.0	879.5	774.8	640.8	495.1	406.4	367.8	360.6	363.2	362.6	362.6
15°	949.8	880.6	738.5	551.6	400.5	352.8	353.6	362.1	370.2	371.5	371.5
17.5°	965.8	879.5	685.9	462.2	343.7	340.1	352.0	363.9	371.2	372.2	372.2
20°	983.2	874.6	619.5	377.9	318.8	332.1	345.0	354.3	358.8	359.8	359.8
22.5°	993.6	860.6	547.5	319.9	303.0	319.4	327.9	337.5	338.0	329.7	329.5
25°	992.0	834.4	465.3	282.5	286.2	300.4	311.3	304.6	296.3	291.6	290.8
27.5°	982.2	795.0	381.6	254.3	266.2	282.3	278.9	273.2	271.1	266.0	265.4
30°	969.7	746.5	306.4	232.3	245.5	260.3	255.1	254.5	252.5	246.8	246.8
32.5°	957.8	696.5	249.6	215.9	232.3	233.3	240.6	241.1	240.0	230.2	229.1
35°	954.4	646.5	211.3	203.0	219.3	218.8	229.1	228.9	211.0	197.3	197.0
37.5°	964.5	595.7	188.4	192.3	201.4	208.1	216.4	201.4	195.4	187.2	186.6
40°	986.1	548.8	176.8	186.1	190.0	199.9	186.9	187.9	186.4	180.2	179.4
42.5°	1014.6	508.8	170.3	184.0	183.5	186.1	171.9	176.0	178.3	173.7	172.9
45°	1042.0	474.1	166.9	176.3	178.9	163.8	161.0	164.9	168.5	166.7	165.9
47.5°	1062.3	444.0	165.1	165.6	172.9	156.3	151.6	153.5	157.9	158.6	158.4
50°	1068.5	418.4	163.0	156.8	155.3	148.8	145.2	144.6	149.8	153.5	154.0
52.5°	1056.6	395.6	157.6	149.0	141.5	142.6	141.3	138.7	143.9	148.8	149.3
55°	1038.9	382.6	149.0	141.5	132.7	136.9	137.4	135.1	138.4	141.8	141.8
57.5°	1040.2	390.1	140.8	134.5	124.9	130.4	133.2	132.2	132.2	134.8	135.1
60°	1048.8	401.0	135.3	125.7	117.2	122.9	129.3	128.3	126.0	129.3	129.3
62.5°	1024.2	386.5	131.7	117.2	108.9	115.6	123.4	122.9	120.3	125.7	126.2
65°	951.6	347.6	127.5	106.5	100.6	108.4	115.1	116.9	114.6	121.8	123.1
67.5°	797.6	292.4	119.5	96.4	92.3	99.5	106.0	108.6	106.8	115.4	116.4
70°	594.6	236.7	106.8	85.3	82.2	88.7	94.6	95.7	95.9	106.0	107.1
72.5°	379.2	184.0	89.9	72.8	70.5	75.4	79.8	84.0	85.8	95.4	95.1
75°	211.5	136.9	72.3	61.7	57.5	61.4	66.6	71.5	76.7	90.7	92.3
77.5°	121.8	96.2	57.3	49.5	44.6	48.7	53.1	60.1	75.7	87.9	86.3
80°	68.7	62.5	43.3	36.3	33.2	36.3	39.7	52.9	59.6	64.8	65.6
82.5°	32.1	35.0	29.6	22.3	22.3	24.4	27.5	41.0	45.1	36.8	32.1
85°	11.7	15.8	14.5	11.4	10.1	9.9	17.1	23.3	14.5	13.0	11.1
87.5°	3.1	4.4	4.1	2.9	1.6	1.3	0.0	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)