

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: P629390

Luminaire Tested: GWS-SA1B-750-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3325.9 lumens
Efficiency: N/A
Efficacy: 133.0 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

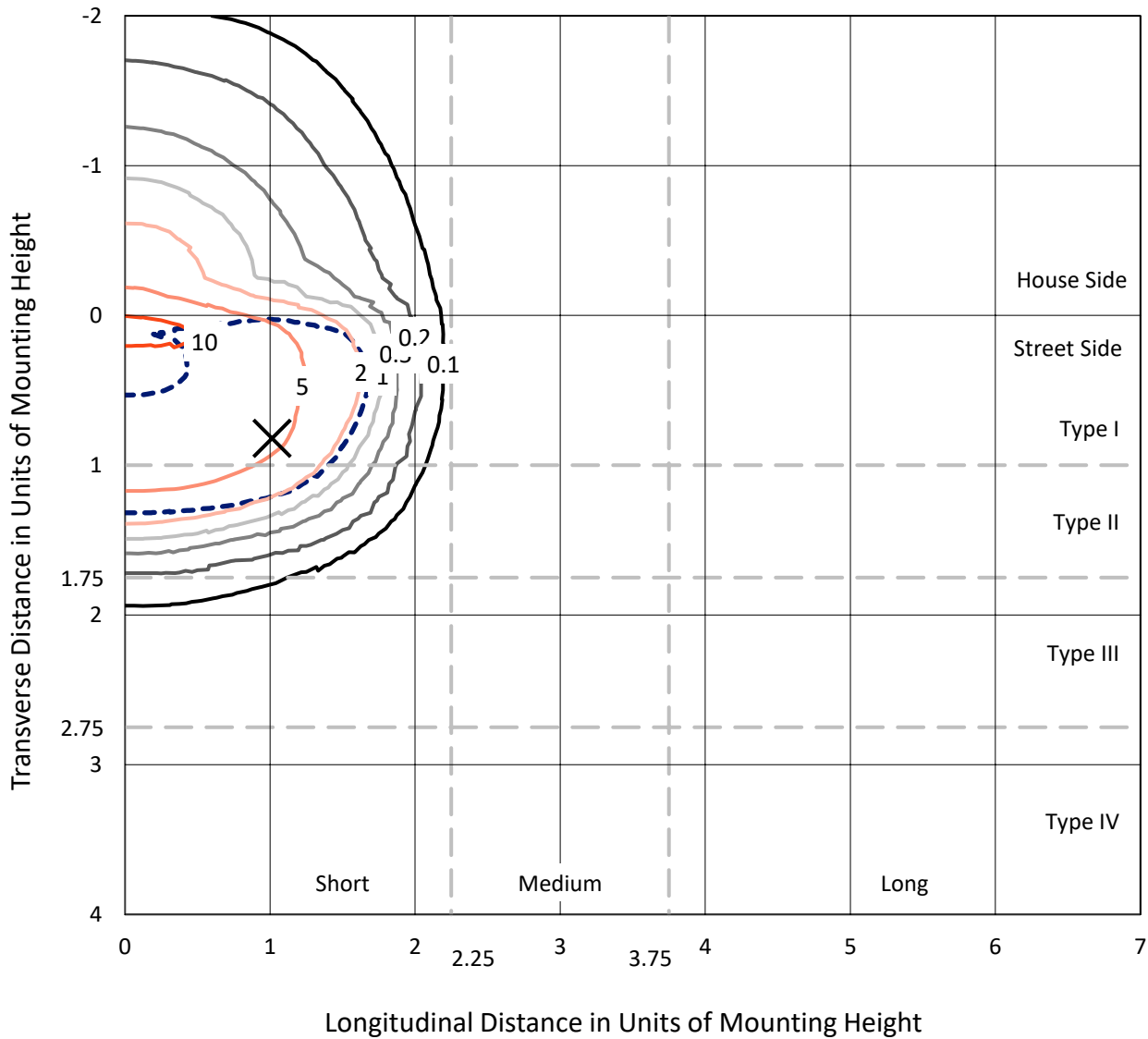
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

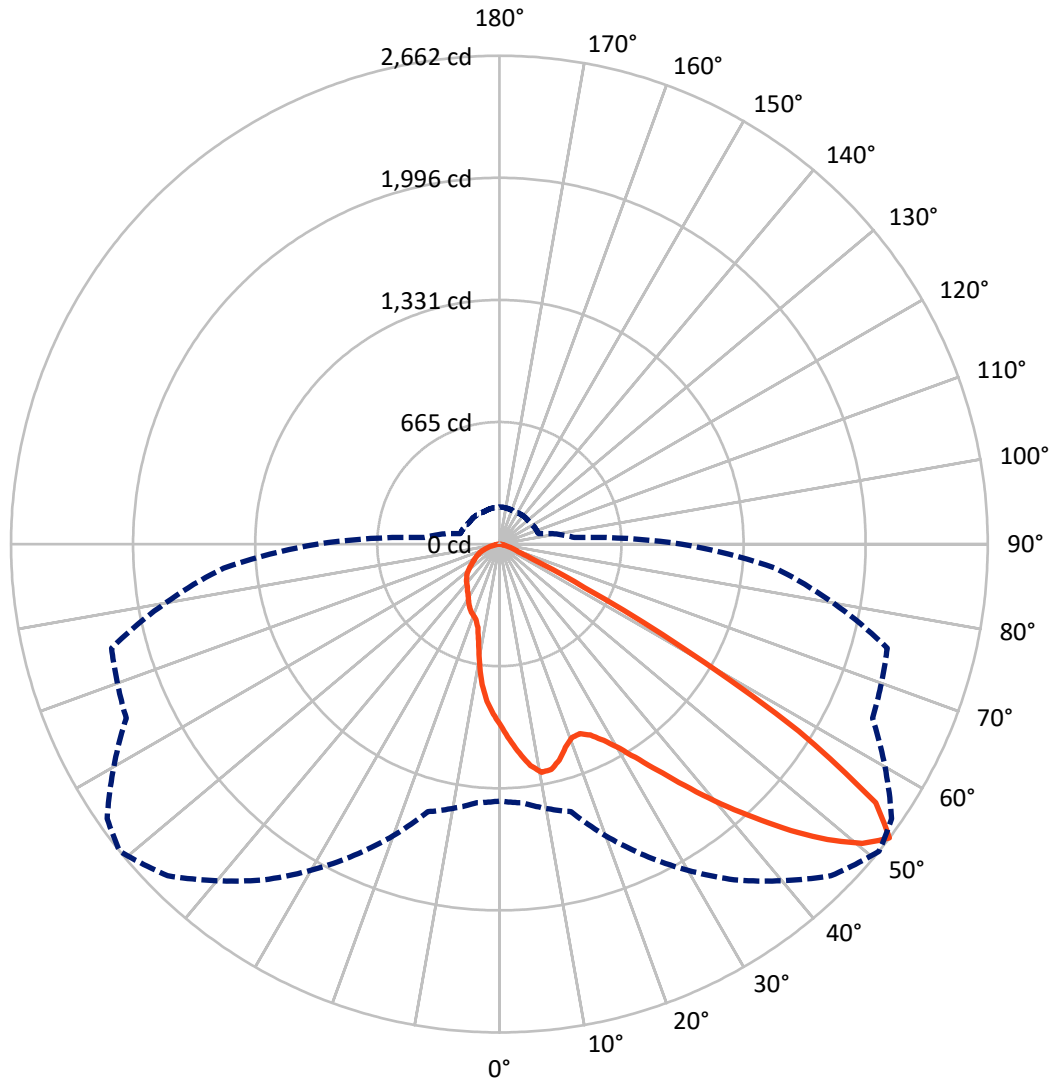
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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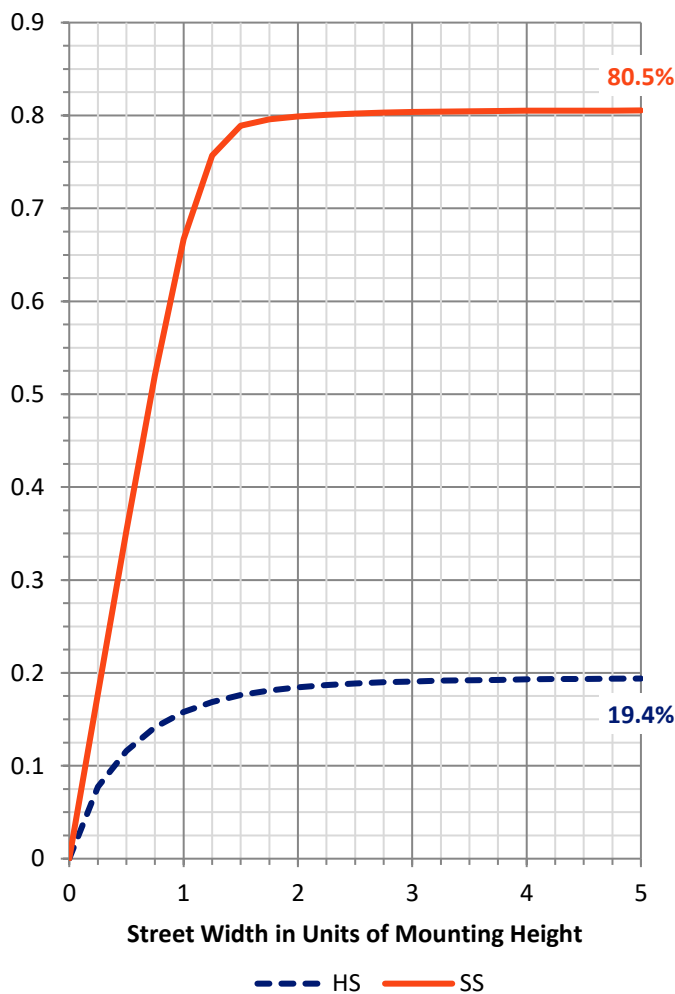
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	648.0	0.0	648.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2677.9	0.0	2677.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	3325.9	0.0	3325.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	2.8
10°-20°	240.1	7.2
20°-30°	390.4	11.7
30°-40°	618.7	18.6
40°-50°	933.1	28.1
50°-60°	807.2	24.3
60°-70°	183.0	5.5
70°-80°	54.0	1.6
80°-90°	7.0	0.2
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°	3325.9	100.0
0°-180°	3325.9	100.0

Coefficient of Utilization



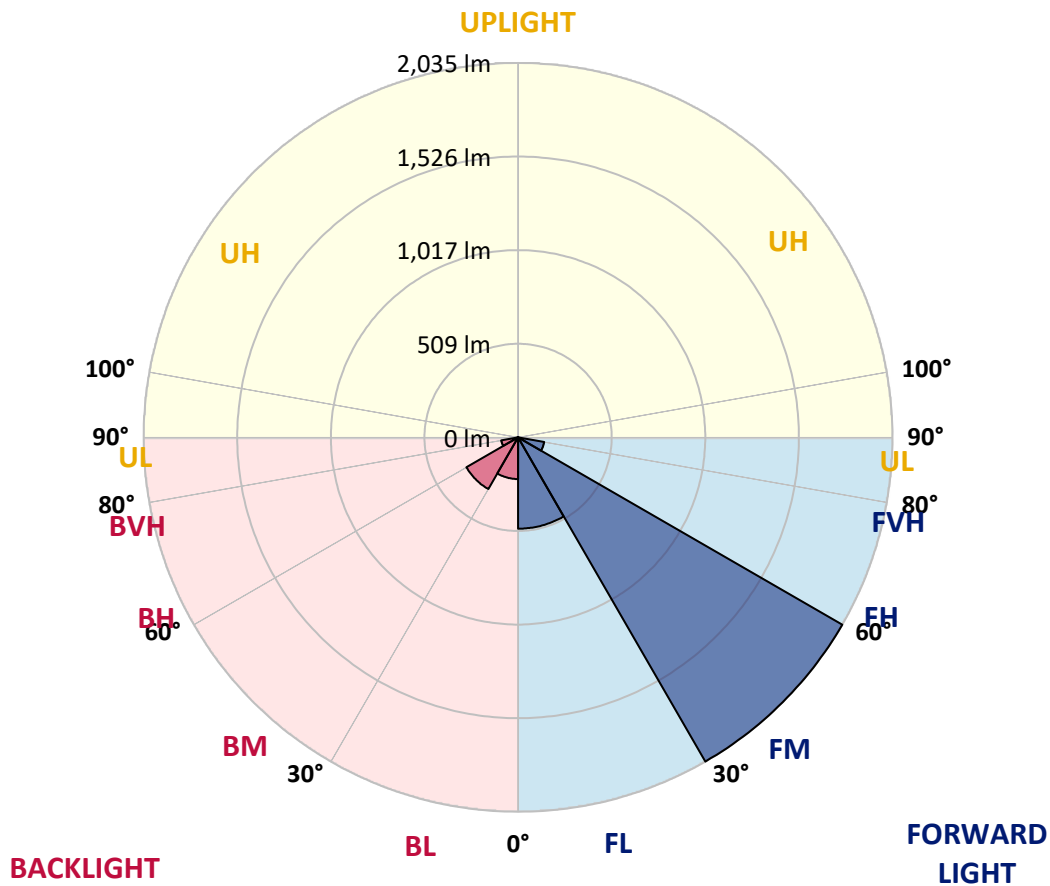
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.4	14.9			
FM (30°-60°)	2034.8	61.2			
FH (60°-80°)	144.0	4.3			G0/660
FVH (80°-90°)	2.6	0.1			G0/10
BL (0°-30°)	226.5	6.8	B1/500		
BM (30°-60°)	324.2	9.7	B1/1000		
BH (60°-80°)	92.9	2.8	B0/110		G0/110
BVH (80°-90°)	4.3	0.1			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3
2.5°	1103.6	1109.9	1100.1	1096.5	1090.4	1079.9	1067.8	1064.4	1038.4	1021.3	1002.1
5°	1214.5	1217.9	1210.0	1202.1	1187.1	1168.5	1145.1	1140.1	1092.8	1053.6	1012.9
7.5°	1239.2	1237.9	1244.7	1249.2	1247.3	1240.0	1219.2	1209.5	1153.0	1090.9	1030.8
10°	1141.4	1134.0	1159.3	1189.2	1225.2	1266.8	1264.4	1263.6	1214.5	1141.1	1053.6
12.5°	1011.8	1008.2	1028.7	1066.2	1134.3	1226.3	1260.7	1287.5	1269.9	1189.0	1079.1
15°	937.7	936.4	950.3	977.4	1031.5	1147.7	1221.3	1274.4	1317.5	1240.2	1106.2
17.5°	924.3	925.1	929.8	945.3	984.2	1079.9	1165.1	1239.2	1354.5	1296.5	1140.1
20°	963.5	968.7	960.6	963.0	984.0	1055.5	1126.7	1203.7	1378.2	1353.0	1176.6
22.5°	1050.5	1048.6	1030.8	1020.2	1020.5	1070.4	1122.5	1187.1	1393.7	1407.9	1209.7
25°	1149.0	1146.9	1125.6	1102.2	1087.5	1111.2	1152.7	1204.7	1407.6	1458.1	1236.3
27.5°	1265.5	1258.9	1235.2	1205.3	1172.7	1182.9	1211.1	1252.3	1429.2	1507.5	1253.9
30°	1378.2	1385.8	1351.9	1316.4	1282.0	1275.7	1292.0	1329.3	1473.1	1565.3	1274.9
32.5°	1527.7	1525.1	1487.5	1441.3	1392.1	1387.4	1400.3	1434.4	1551.9	1645.2	1307.0
35°	1708.8	1709.3	1656.0	1593.4	1523.5	1510.9	1532.5	1565.6	1669.4	1753.5	1357.7
37.5°	1897.0	1896.2	1849.7	1778.7	1683.3	1665.5	1690.2	1714.9	1816.3	1900.9	1436.5
40°	2028.9	2034.2	2012.4	1975.1	1884.6	1841.0	1862.8	1879.9	1976.1	2074.4	1540.4
42.5°	2103.8	2111.7	2116.4	2138.8	2091.2	2044.7	2036.8	2045.8	2118.8	2235.5	1637.9
45°	2119.9	2130.4	2164.8	2247.6	2266.0	2252.8	2227.1	2205.5	2225.3	2349.8	1701.7
47.5°	2049.2	2067.6	2141.2	2286.0	2393.5	2434.7	2406.1	2373.2	2286.8	2379.3	1695.2
50°	1769.0	1790.6	1956.4	2207.6	2411.6	2561.9	2564.5	2515.9	2279.4	2294.4	1612.6
52.5°	1400.5	1415.3	1510.1	1871.5	2233.7	2556.7	2661.8	2609.8	2243.9	2188.2	1509.3
55°	837.1	860.7	949.3	1234.7	1740.1	2266.0	2489.9	2515.1	2226.6	2099.1	1438.9
57.5°	282.5	294.1	378.7	545.3	1025.5	1659.2	1923.8	2026.3	2021.3	1963.0	1301.5
60°	134.6	137.2	154.3	206.8	410.5	867.0	1138.8	1257.0	1364.8	1375.6	809.7
62.5°	102.5	104.1	112.7	124.0	165.0	365.3	522.0	612.4	654.1	561.4	294.9
65°	85.7	87.0	93.6	100.7	112.2	158.2	200.3	231.0	208.1	162.2	140.6
67.5°	71.5	72.5	77.5	85.2	93.0	105.9	111.2	114.3	119.8	134.6	129.3
70°	56.0	57.0	62.3	68.9	76.5	79.6	84.6	87.8	98.8	117.7	117.2
72.5°	43.1	44.4	47.3	51.5	57.8	61.0	66.5	70.2	76.5	91.7	98.0
75°	31.5	32.3	35.0	36.3	37.1	36.3	41.8	46.0	54.4	60.2	61.8
77.5°	12.9	14.5	13.9	13.9	16.6	20.0	22.9	25.5	31.3	34.7	35.0
80°	5.3	5.8	6.8	7.6	9.2	11.8	13.7	14.7	17.3	19.4	21.0
82.5°	3.2	3.4	3.9	4.2	5.3	6.8	7.9	8.7	10.8	12.9	13.7
85°	1.6	1.6	1.8	2.1	2.6	3.2	3.7	4.2	5.5	6.8	7.6
87.5°	0.3	0.3	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.6
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°	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3
2.5°	990.8	976.6	960.1	946.9	931.7	920.4	904.3	894.4	884.9	877.0	871.2
5°	991.9	967.9	933.5	903.0	871.5	841.5	810.8	785.8	763.5	744.8	743.2
7.5°	997.9	963.5	909.6	856.3	794.8	735.4	676.0	627.6	590.8	571.6	567.7
10°	1008.2	963.0	885.2	800.0	695.1	599.5	529.0	492.3	471.0	463.3	460.7
12.5°	1018.9	961.6	853.9	720.6	575.0	491.2	452.6	448.1	452.0	452.6	452.3
15°	1032.1	960.9	814.5	627.6	487.3	441.0	443.6	453.1	462.3	464.4	464.4
17.5°	1048.1	959.0	760.8	536.7	432.3	431.3	445.2	457.8	466.5	468.1	468.1
20°	1064.9	954.3	694.9	462.6	410.0	425.2	440.2	449.9	456.0	458.1	458.3
22.5°	1076.5	941.7	618.9	407.6	396.1	413.7	424.4	434.4	434.4	429.2	427.6
25°	1078.9	914.6	536.7	370.0	379.5	395.8	406.8	401.1	390.3	386.1	385.8
27.5°	1070.2	875.2	455.5	343.2	359.5	375.8	374.0	365.6	360.8	356.6	358.2
30°	1059.7	827.9	385.0	321.2	336.4	352.4	346.1	343.2	339.8	335.1	336.1
32.5°	1052.6	775.0	330.9	304.1	320.9	323.5	328.0	327.7	324.6	315.6	315.1
35°	1054.7	721.7	294.6	290.1	308.0	307.0	315.4	313.8	292.0	279.6	278.8
37.5°	1071.5	670.4	273.3	279.1	287.5	294.1	301.4	282.5	274.9	267.0	267.5
40°	1103.6	622.9	261.8	273.1	275.2	284.9	267.8	267.5	264.1	257.0	256.8
42.5°	1139.8	582.7	253.9	270.2	267.3	269.1	251.0	253.1	252.8	248.4	247.0
45°	1161.9	545.6	247.6	259.4	260.2	241.8	236.3	238.6	239.9	237.6	237.3
47.5°	1139.0	503.0	241.0	242.8	249.7	229.4	222.6	222.9	225.2	225.5	224.4
50°	1074.9	455.5	233.1	228.6	224.2	216.6	210.3	208.9	211.3	213.7	214.5
52.5°	992.1	410.0	220.0	213.1	202.6	202.6	199.7	195.5	198.7	201.8	202.9
55°	931.4	376.4	201.3	193.7	182.1	186.1	185.5	181.9	186.1	188.4	189.2
57.5°	807.1	302.5	177.1	174.8	165.0	169.8	170.8	166.1	164.0	164.5	165.3
60°	479.1	195.3	159.8	159.5	150.9	156.4	159.5	154.8	148.5	149.3	150.3
62.5°	215.0	149.3	138.0	136.9	136.7	143.8	147.2	142.7	133.8	134.6	135.6
65°	135.3	129.0	119.8	119.8	124.0	130.1	132.7	129.0	118.8	117.5	118.5
67.5°	125.6	120.1	110.6	108.8	110.9	115.9	116.2	109.1	103.0	102.0	102.0
70°	112.7	108.5	99.3	95.7	94.9	94.6	93.8	92.0	88.0	87.0	87.5
72.5°	93.3	90.4	84.6	80.7	78.6	78.3	75.2	73.6	70.2	69.6	69.4
75°	61.8	62.5	62.5	62.0	60.2	59.4	56.0	54.4	50.5	48.9	48.6
77.5°	36.5	37.3	38.4	38.6	38.4	38.4	35.2	33.4	29.4	27.3	26.8
80°	22.3	22.9	23.4	24.2	23.1	22.3	19.4	17.6	15.8	14.5	14.2
82.5°	14.5	15.0	15.2	15.8	15.2	14.2	11.8	10.8	9.5	8.4	8.1
85°	8.1	8.4	8.9	8.9	8.1	7.4	6.0	5.3	4.5	3.9	3.9
87.5°	2.9	2.9	2.9	3.2	2.6	2.4	1.6	1.1	0.8	0.8	0.8
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)