

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: P628978

Luminaire Tested: GWS-SA1A-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2846.5 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

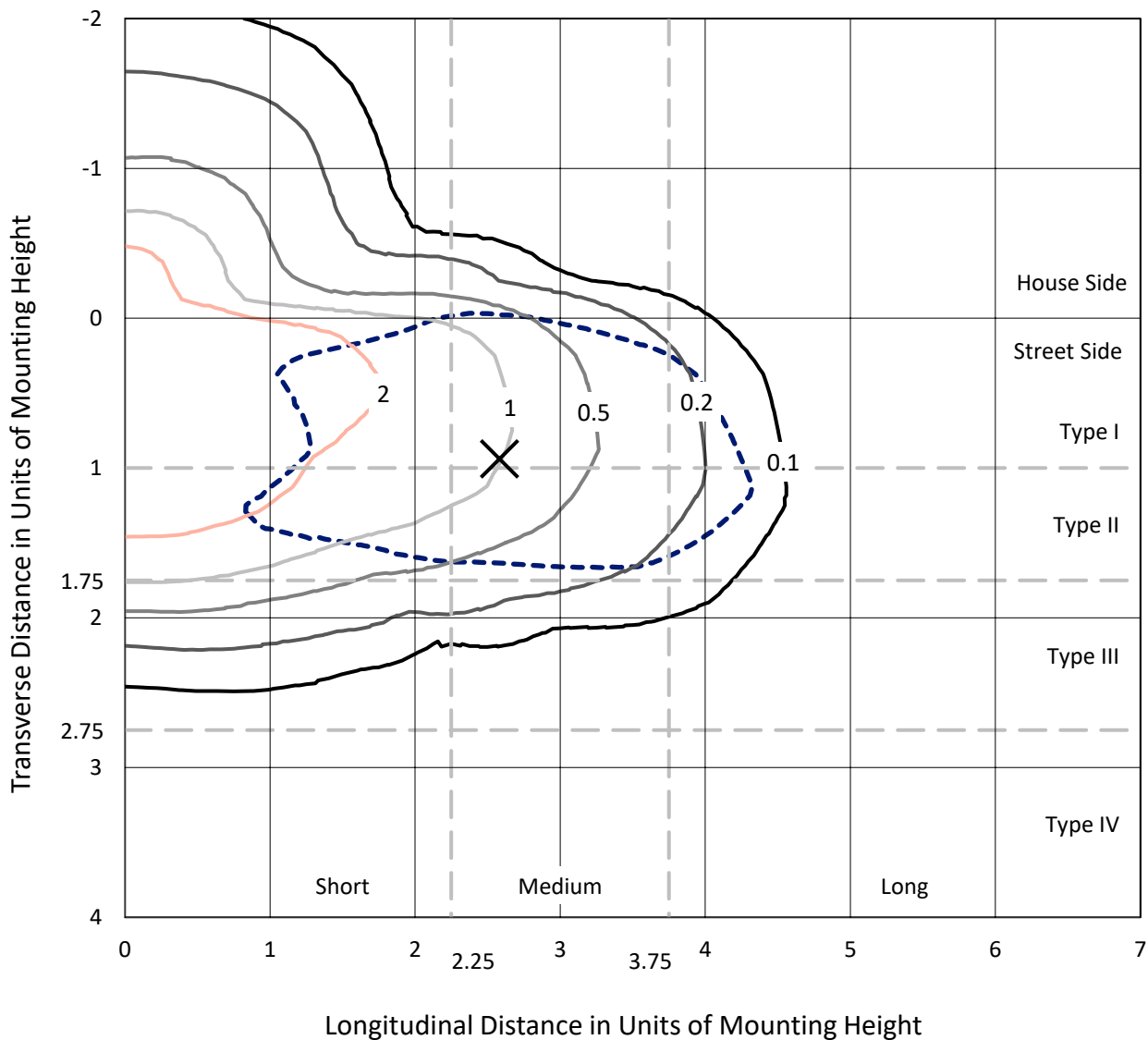
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

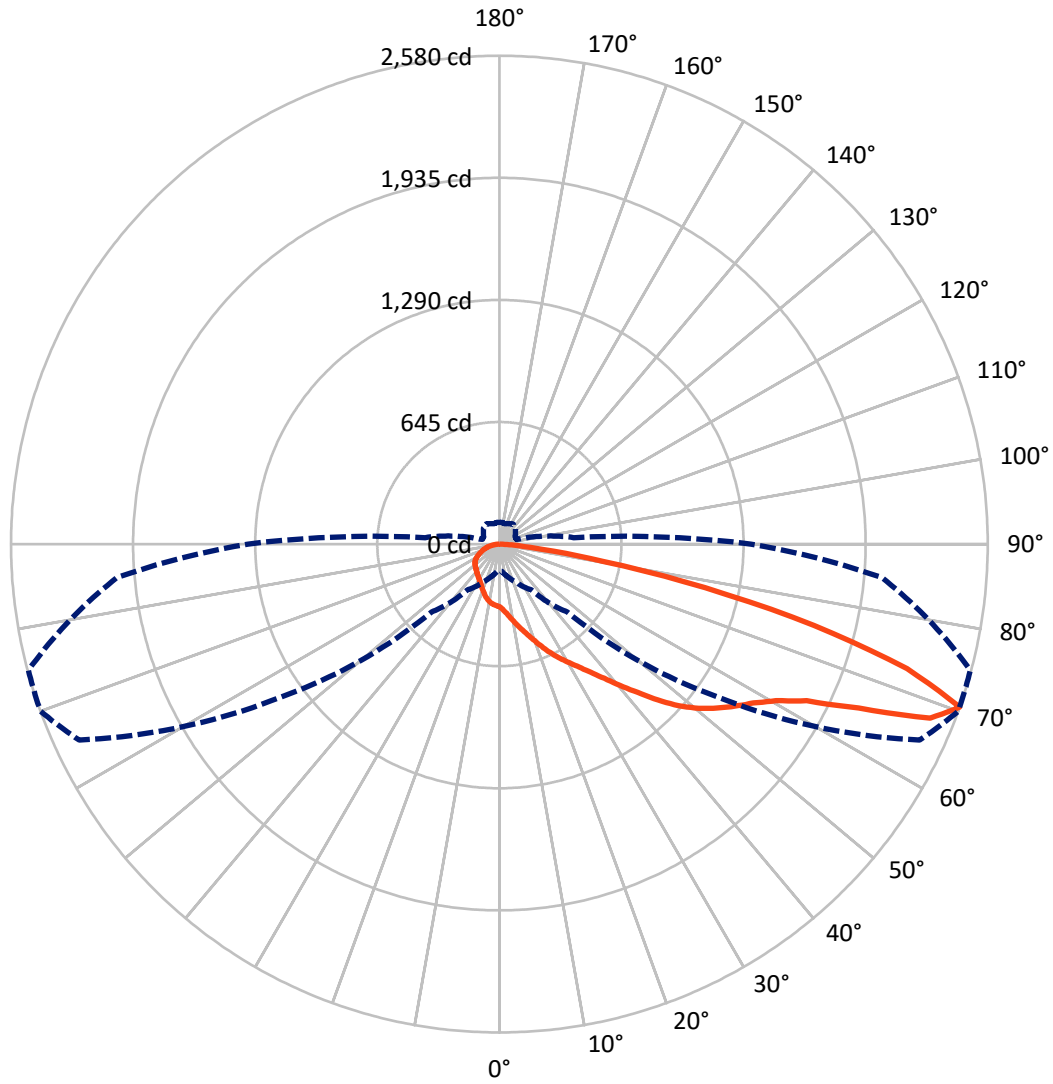
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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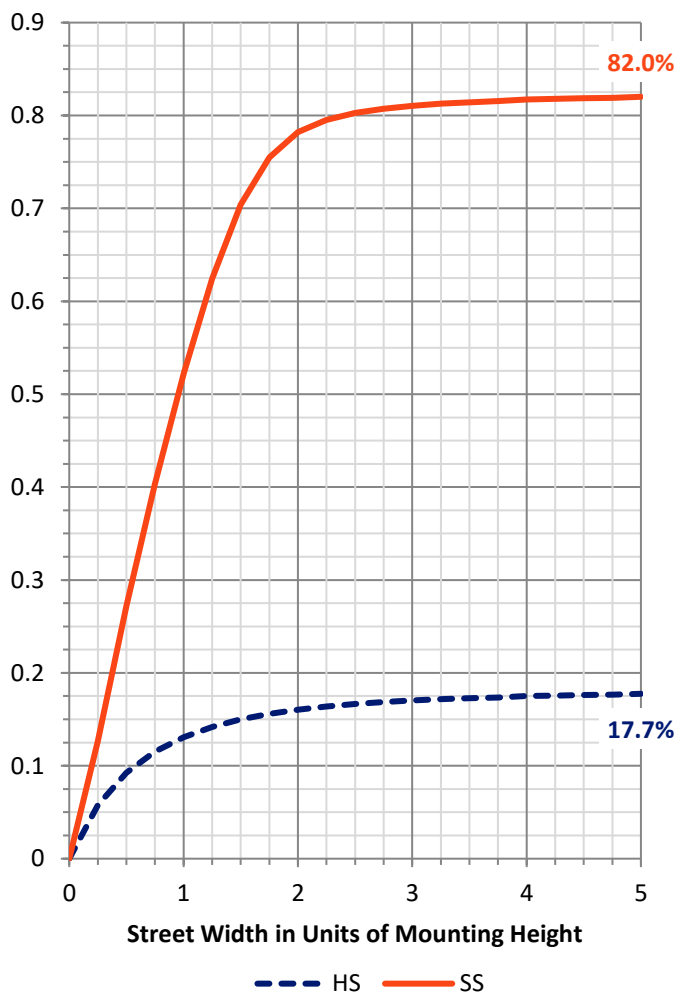
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	510.1	0.0	510.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	2336.4	0.0	2336.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	2846.5	0.0	2846.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	1.2
10°-20°	109.8	3.9
20°-30°	194.4	6.8
30°-40°	292.6	10.3
40°-50°	442.7	15.6
50°-60°	634.2	22.3
60°-70°	701.1	24.6
70°-80°	395.6	13.9
80°-90°	42.3	1.5
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°	2846.5	100.0
0°-180°	2846.5	100.0

Coefficient of Utilization



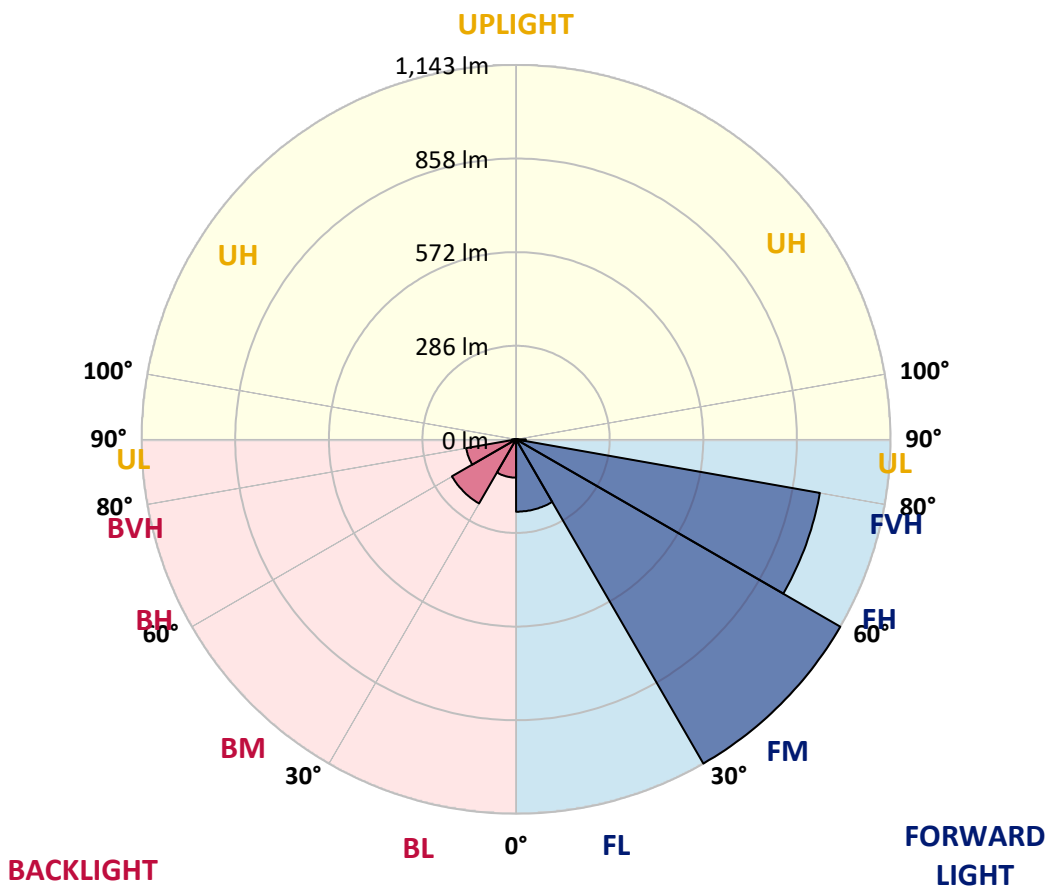
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.0	7.8			
FM (30°-60°)	1143.4	40.2			
FH (60°-80°)	942.1	33.1			G1/1800
FVH (80°-90°)	29.9	1.1			G1/100
BL (0°-30°)	117.0	4.1	B1/500		
BM (30°-60°)	226.1	7.9	B1/1000		
BH (60°-80°)	154.6	5.4	B1/500		G1/500
BVH (80°-90°)	12.4	0.4			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0
2.5°	367.7	367.1	367.5	367.1	364.9	359.3	354.8	349.0	345.1	342.9	337.5
5°	410.9	410.3	408.9	406.8	402.7	395.1	383.8	371.2	363.6	357.9	346.6
7.5°	442.0	442.0	441.8	439.3	436.4	428.4	415.1	398.6	387.5	377.6	359.1
10°	457.8	458.9	460.3	463.8	463.2	458.9	446.3	428.6	414.6	403.1	375.6
12.5°	466.5	467.1	469.6	476.8	484.2	485.2	477.8	459.3	444.1	428.6	393.9
15°	477.6	477.8	481.1	489.7	500.6	511.5	509.7	491.2	475.5	458.5	414.2
17.5°	486.2	487.7	493.6	503.7	517.3	532.3	541.3	529.8	510.5	490.9	436.4
20°	489.3	490.3	498.1	513.6	532.1	553.3	573.4	570.3	550.8	527.8	461.5
22.5°	500.4	500.4	506.2	519.1	540.9	571.8	604.5	612.5	595.2	568.3	488.5
25°	524.9	524.1	526.7	532.1	548.5	586.6	635.1	659.2	639.9	609.6	515.4
27.5°	558.4	558.0	557.8	558.6	564.2	599.5	661.0	702.8	683.5	649.3	539.5
30°	594.8	593.6	596.3	593.8	592.6	615.0	683.0	741.9	726.9	688.6	559.4
32.5°	644.4	642.1	641.5	633.5	628.5	639.0	700.7	786.3	774.4	731.0	581.9
35°	709.8	707.7	697.2	684.5	669.9	674.8	722.7	829.7	830.5	784.0	611.3
37.5°	775.8	776.2	768.0	738.0	723.0	720.1	756.3	882.6	900.2	847.4	649.3
40°	830.7	833.2	833.2	801.5	779.1	776.4	803.4	945.3	980.5	925.1	697.4
42.5°	872.5	874.7	881.9	859.1	835.5	844.7	860.5	1008.2	1071.4	1021.2	758.3
45°	918.3	920.2	924.1	910.9	897.2	921.8	925.3	1083.5	1175.4	1129.0	829.1
47.5°	979.2	977.6	978.0	968.3	957.6	997.5	996.7	1146.8	1276.0	1247.0	905.8
50°	1054.9	1058.0	1055.1	1036.0	1023.4	1059.8	1064.6	1217.0	1364.5	1363.8	983.1
52.5°	1127.7	1129.0	1144.2	1145.0	1119.3	1111.7	1124.0	1287.7	1439.1	1470.8	1057.4
55°	1131.4	1136.2	1181.8	1214.7	1256.3	1195.2	1184.1	1355.2	1511.3	1575.5	1134.5
57.5°	1052.6	1060.3	1137.8	1208.8	1324.3	1338.5	1286.9	1442.4	1583.5	1678.5	1223.8
60°	884.4	900.2	1005.5	1114.1	1293.7	1441.6	1497.3	1560.9	1678.3	1783.8	1332.2
62.5°	564.8	571.0	718.6	900.4	1155.7	1431.5	1726.4	1769.6	1822.7	1921.0	1499.2
65°	282.8	302.5	389.1	537.4	833.4	1261.4	1842.2	2152.0	2087.0	2155.9	1769.8
67.5°	191.9	198.3	242.1	322.9	488.7	893.7	1770.5	2474.1	2454.9	2466.3	2058.4
70°	141.5	145.6	180.2	228.7	295.6	507.4	1409.5	2449.8	2580.4	2576.3	2028.2
72.5°	103.2	105.3	131.4	174.6	219.0	262.4	860.8	1979.0	2252.6	2371.2	1773.7
75°	75.1	77.5	91.3	130.6	170.3	163.7	424.9	1429.4	1717.8	1946.1	1445.1
77.5°	55.9	59.0	65.4	81.9	119.3	117.2	183.7	928.2	1111.1	1271.1	877.8
80°	40.3	40.9	44.6	52.4	75.7	68.7	87.4	484.0	554.9	608.0	344.1
82.5°	24.5	25.1	29.8	32.3	46.9	43.2	45.5	156.7	224.6	238.4	128.5
85°	7.2	7.6	13.6	14.8	19.5	18.5	18.3	63.8	76.1	97.3	50.6
87.5°	0.0	0.0	0.0	0.0	0.2	1.2	2.3	11.3	17.1	23.7	12.3
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°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0
2.5°	335.5	330.7	328.3	323.9	320.9	317.8	314.7	311.8	310.6	308.7	309.1
5°	341.4	334.0	326.6	318.2	311.0	305.0	299.7	294.9	292.9	291.0	291.9
7.5°	350.5	339.4	325.2	309.7	298.4	290.2	284.7	281.4	280.3	278.9	278.9
10°	362.0	345.3	320.4	298.4	284.9	278.3	275.8	275.6	276.6	276.8	276.4
12.5°	374.7	351.1	313.5	285.1	273.5	271.5	273.3	276.8	280.3	282.2	281.8
15°	387.9	354.8	301.5	272.3	265.3	268.0	274.0	281.0	287.7	291.2	291.0
17.5°	400.2	355.6	286.1	260.0	258.1	264.9	275.2	286.1	295.4	300.3	300.5
20°	414.0	354.2	270.3	248.9	250.9	262.0	275.6	288.8	299.7	304.6	305.8
22.5°	426.6	349.2	254.8	238.4	244.8	258.5	272.3	284.7	294.3	299.1	300.7
25°	437.9	339.8	238.0	229.5	240.0	253.6	264.1	272.7	279.5	282.4	284.7
27.5°	444.1	325.6	225.2	222.5	235.5	246.6	252.4	255.0	257.3	256.5	258.1
30°	445.3	307.9	214.1	217.0	228.7	236.9	238.2	235.5	231.6	225.2	226.7
32.5°	444.1	287.5	204.9	211.0	221.1	226.0	224.4	217.4	207.9	198.1	198.7
35°	444.5	267.0	197.2	204.4	212.3	214.9	210.8	201.2	191.1	182.0	181.6
37.5°	449.0	249.7	190.9	198.1	203.6	204.0	199.5	189.4	184.3	177.5	176.7
40°	461.5	236.9	185.1	191.7	195.2	195.0	189.8	182.6	186.1	183.9	183.3
42.5°	482.1	229.1	180.4	184.9	187.4	187.8	183.7	179.1	186.8	183.9	182.8
45°	515.2	228.7	177.1	178.1	182.0	184.9	182.0	176.9	179.8	165.8	163.1
47.5°	554.5	235.7	174.6	172.2	178.9	184.1	179.6	171.3	165.4	152.6	150.8
50°	601.8	249.9	172.4	165.8	174.4	181.0	176.5	165.2	156.1	149.3	148.3
52.5°	658.0	268.6	169.5	158.6	167.6	179.3	176.5	164.5	152.6	146.4	145.4
55°	716.8	290.2	166.2	149.9	160.0	179.8	177.9	160.2	149.9	146.6	145.8
57.5°	789.8	316.1	160.2	139.9	153.2	176.1	172.2	157.8	148.1	145.4	144.6
60°	884.6	354.6	148.9	129.6	145.4	169.5	167.0	153.6	143.2	140.9	140.3
62.5°	1034.8	419.8	135.1	119.7	136.2	155.7	159.4	145.8	137.0	136.8	136.6
65°	1279.5	498.1	118.9	110.9	126.5	144.4	149.3	137.8	130.6	132.9	132.7
67.5°	1451.0	504.9	105.5	101.6	115.2	132.0	139.2	129.6	121.8	126.1	125.9
70°	1329.1	393.9	94.0	91.9	103.0	118.7	128.3	119.3	111.5	115.6	114.8
72.5°	1120.9	301.9	83.1	81.9	90.7	104.7	114.4	109.0	100.8	100.8	98.9
75°	900.9	249.1	71.6	71.0	76.9	90.5	101.4	92.3	84.7	84.3	83.1
77.5°	516.7	163.3	60.1	59.6	61.5	75.7	78.8	76.9	71.2	68.5	67.7
80°	205.9	84.9	47.3	44.6	46.5	55.5	62.1	59.0	54.1	50.8	49.0
82.5°	79.8	42.6	33.3	29.2	31.9	40.1	45.0	44.0	40.7	33.3	31.3
85°	32.5	20.8	20.0	16.9	18.5	21.6	25.9	22.4	18.5	13.2	12.5
87.5°	8.6	7.6	7.4	4.5	3.5	1.0	0.2	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)