

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: P629953

Luminaire Tested: GWS-SA1C-760-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

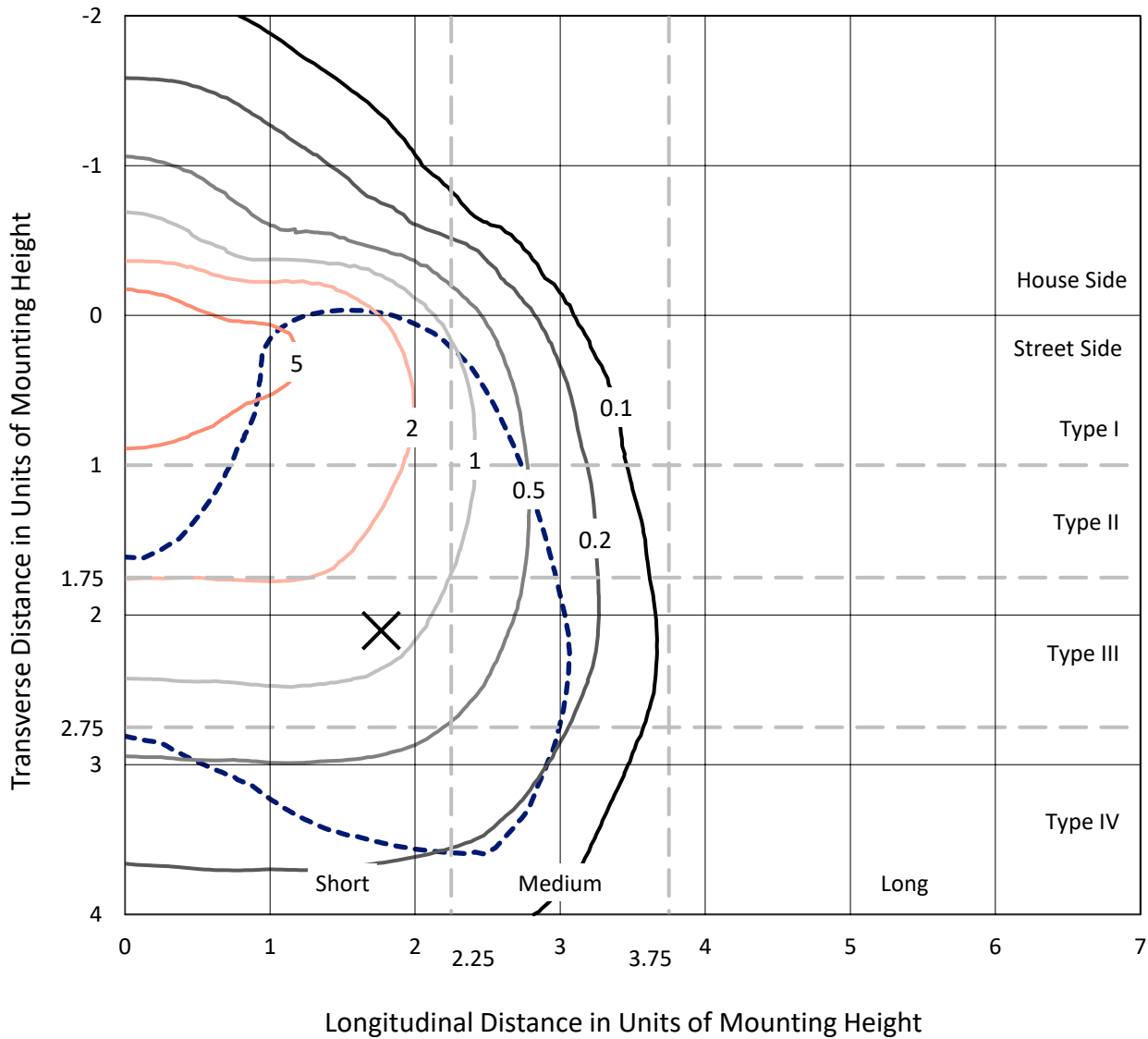
Lumens per Lamp: N/A  
Luminaire Lumens: 4657.3 lumens  
Efficiency: N/A  
Efficacy: 136.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

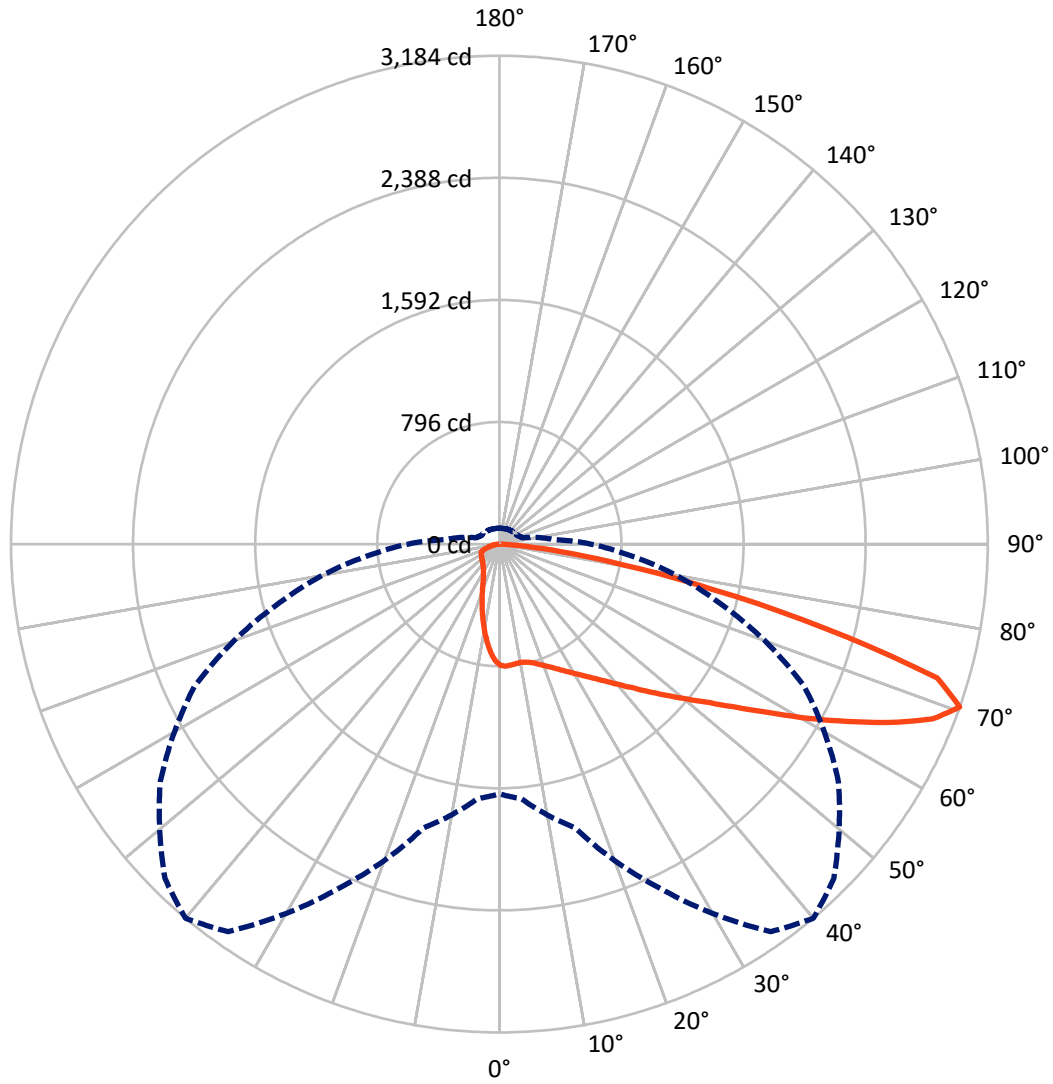
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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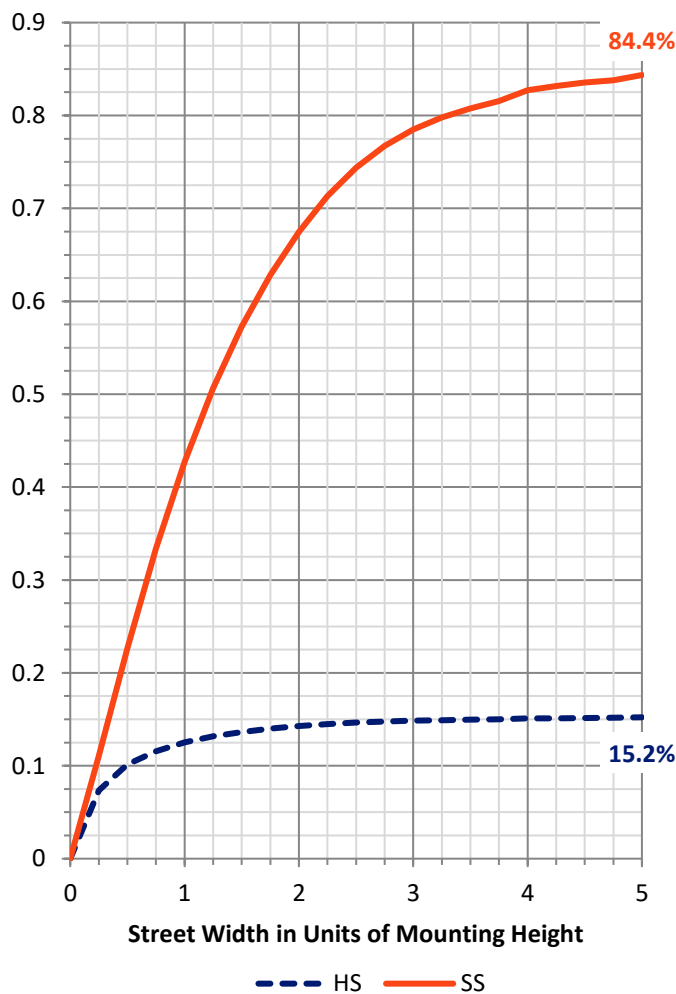
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	717.3	0.0	717.3
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	3940.0	0.0	3940.0
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	4657.3	0.0	4657.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.9	1.5
10°-20°	182.1	3.9
20°-30°	285.9	6.1
30°-40°	429.9	9.2
40°-50°	663.6	14.2
50°-60°	985.5	21.2
60°-70°	1242.2	26.7
70°-80°	718.4	15.4
80°-90°	79.7	1.7
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°	4657.3	100.0
0°-180°	4657.3	100.0

**Coefficient of Utilization**



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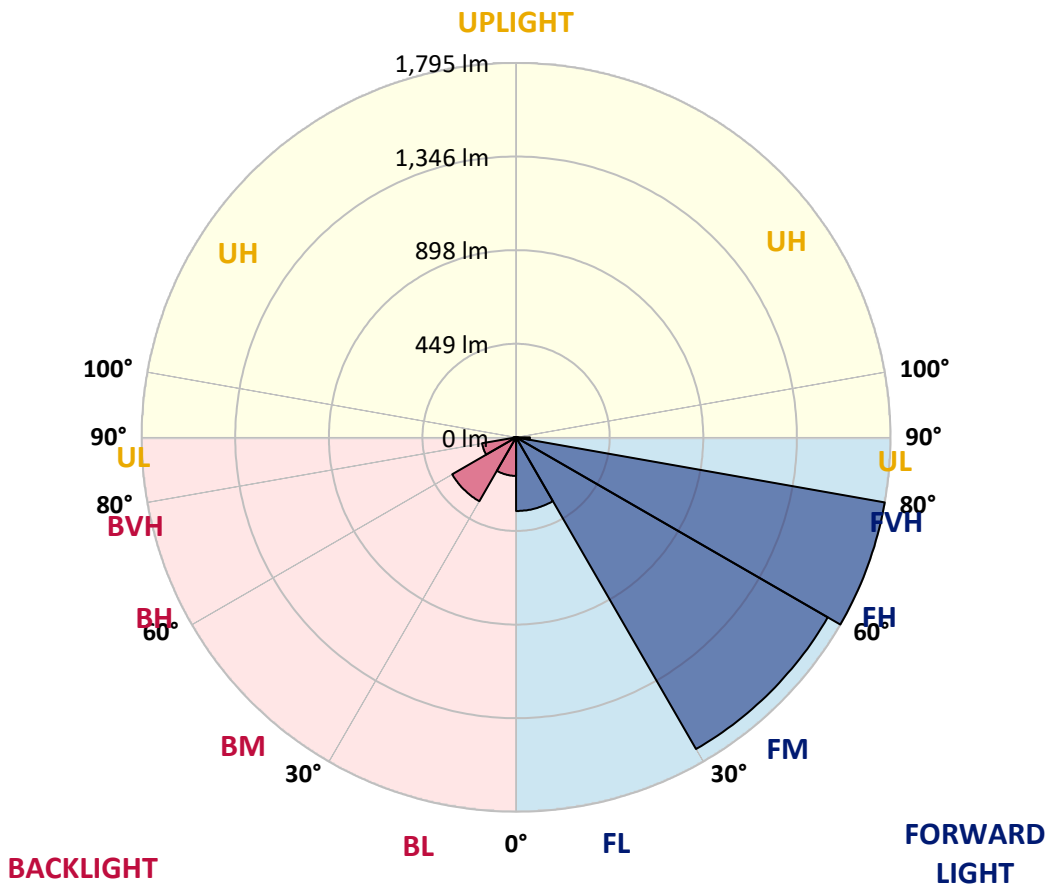
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.1	7.6			
FM (30°-60°)	1725.5	37.0			
FH (60°-80°)	1795.0	38.5			G1/1800
FVH (80°-90°)	66.4	1.4			G1/100
BL (0°-30°)	184.9	4.0	B1/500		
BM (30°-60°)	353.6	7.6	B1/1000		
BH (60°-80°)	165.6	3.6	B1/500		G1/500
BVH (80°-90°)	13.3	0.3			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	795.7	797.1	798.2	799.6	798.9	796.8	798.5	798.5	794.7	790.5	786.7
5°	796.8	798.5	798.2	797.8	795.0	791.6	791.6	789.5	782.9	776.3	770.0
7.5°	794.7	794.3	794.0	792.9	789.8	786.0	785.3	781.1	772.4	763.4	754.4
10°	785.3	785.0	786.0	788.4	787.7	784.3	784.3	780.4	770.4	759.2	747.4
12.5°	777.7	777.7	781.8	788.4	790.9	789.5	789.8	787.0	775.6	762.4	748.5
15°	778.7	779.0	788.1	798.9	803.4	802.3	802.7	799.6	786.7	773.5	754.7
17.5°	785.6	787.4	803.0	818.0	823.9	822.5	820.1	814.8	800.2	785.3	762.4
20°	800.2	803.0	823.2	842.0	848.9	845.8	841.6	831.2	815.2	798.9	770.7
22.5°	829.1	830.8	853.1	871.5	877.1	873.3	864.9	850.0	831.5	814.5	780.8
25°	869.8	871.9	893.1	910.1	908.7	904.2	892.7	874.3	852.4	834.3	795.4
27.5°	918.1	921.6	942.4	956.0	946.9	940.3	927.5	905.2	880.6	864.2	817.6
30°	970.9	972.3	990.1	1003.6	989.7	980.7	965.0	941.0	918.8	906.6	851.0
32.5°	1022.0	1023.4	1038.7	1046.4	1031.8	1025.2	1011.6	986.2	970.6	964.0	900.7
35°	1075.9	1075.6	1088.1	1094.7	1079.7	1077.0	1063.1	1043.6	1040.8	1049.5	973.4
37.5°	1129.8	1126.7	1133.3	1142.0	1133.6	1136.4	1127.4	1120.8	1131.5	1154.1	1070.0
40°	1172.9	1172.9	1179.9	1190.6	1193.4	1205.6	1200.4	1209.1	1243.8	1297.7	1189.6
42.5°	1211.2	1211.5	1226.1	1242.8	1262.9	1281.7	1285.9	1308.5	1380.4	1464.9	1339.8
45°	1251.1	1251.5	1271.3	1295.6	1338.4	1374.2	1382.5	1433.3	1536.2	1639.1	1502.8
47.5°	1297.4	1293.5	1321.0	1361.7	1422.5	1474.0	1495.5	1567.5	1697.5	1824.0	1656.5
50°	1349.5	1341.5	1372.1	1442.3	1517.4	1588.0	1624.1	1706.5	1870.6	1994.7	1801.1
52.5°	1408.3	1403.7	1435.7	1521.2	1636.0	1717.3	1766.3	1874.4	2038.9	2164.7	1915.8
55°	1481.3	1470.5	1516.7	1625.5	1775.0	1878.6	1936.7	2040.6	2222.8	2319.1	2003.4
57.5°	1561.2	1549.4	1611.3	1755.9	1955.8	2069.5	2142.1	2227.6	2395.9	2437.2	2054.9
60°	1647.4	1643.6	1717.0	1908.8	2171.3	2303.4	2355.9	2433.4	2546.4	2505.7	2042.0
62.5°	1726.3	1725.0	1831.7	2074.7	2399.7	2545.0	2586.7	2607.2	2654.9	2501.2	1939.8
65°	1809.4	1821.2	1965.5	2266.9	2661.5	2804.0	2821.4	2769.2	2691.4	2382.7	1730.5
67.5°	1819.9	1842.8	2049.6	2447.0	2909.7	3044.2	3030.3	2830.8	2583.6	2052.8	1356.5
70°	1627.6	1667.6	1915.5	2474.4	3084.5	3183.6	3083.1	2698.3	2192.5	1487.2	853.1
72.5°	1359.9	1394.4	1613.4	2110.1	2858.9	2985.1	2849.2	2283.9	1549.4	853.1	434.5
75°	1058.5	1098.5	1300.5	1677.3	2140.4	2190.8	2122.6	1592.9	851.7	351.8	197.5
77.5°	645.9	674.8	831.9	1136.4	1497.6	1422.2	1205.2	893.1	373.7	168.6	122.0
80°	285.8	303.5	409.9	610.4	865.3	818.0	644.9	381.4	204.4	107.1	85.2
82.5°	153.3	164.8	202.0	241.6	380.0	397.3	322.3	219.7	109.9	61.2	48.7
85°	67.4	74.0	91.8	87.6	124.8	122.7	123.8	150.9	52.5	28.2	31.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	3.8	20.2	5.2	8.3	7.3
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°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	782.5	776.3	774.5	772.4	768.6	762.0	757.1	751.6	749.1	746.4	746.7
5°	763.1	755.4	748.1	738.7	726.9	713.7	704.7	694.2	688.7	683.4	684.8
7.5°	746.4	734.5	719.6	699.8	678.6	654.9	635.8	620.9	610.8	603.8	607.3
10°	735.9	722.0	696.0	663.6	627.8	591.7	564.2	538.5	522.5	510.0	509.3
12.5°	733.9	715.8	677.9	631.0	579.2	530.8	490.5	455.7	434.5	418.9	424.8
15°	735.9	713.0	662.2	600.7	535.4	470.0	419.9	380.0	354.6	340.3	339.3
17.5°	738.4	710.2	644.5	568.0	489.5	414.7	356.7	314.3	288.2	273.9	274.3
20°	740.5	706.0	623.7	532.2	442.9	363.3	303.1	262.8	239.5	229.1	230.8
22.5°	743.9	701.9	601.4	494.0	395.3	313.6	260.7	228.0	214.1	207.2	207.5
25°	750.5	699.4	578.5	452.3	348.3	273.9	231.5	209.6	200.9	196.8	196.4
27.5°	764.1	701.5	554.5	411.9	305.9	243.7	212.8	198.5	192.6	189.8	189.5
30°	786.7	709.9	533.6	370.9	269.4	220.1	199.9	191.2	187.7	185.3	184.9
32.5°	821.1	725.5	511.0	332.7	239.9	202.7	189.8	185.3	182.9	181.5	181.5
35°	873.3	754.0	488.8	299.3	216.9	189.1	181.8	180.1	178.0	177.3	178.0
37.5°	948.3	799.6	468.6	270.1	200.6	178.7	173.1	173.8	172.1	173.1	174.2
40°	1043.6	860.4	451.6	246.1	188.4	171.0	165.5	167.9	166.9	167.9	169.6
42.5°	1164.2	935.8	438.7	227.4	179.7	164.8	159.6	162.0	161.3	162.7	164.4
45°	1298.8	1035.2	432.8	214.1	173.5	160.3	154.7	156.4	155.7	156.8	158.5
47.5°	1427.7	1125.6	438.0	206.5	168.3	156.4	150.5	151.2	150.9	150.5	151.6
50°	1539.0	1197.6	453.0	204.1	164.8	152.6	147.0	147.4	146.4	144.3	145.0
52.5°	1629.7	1255.3	462.0	204.1	163.0	148.4	143.2	143.6	141.5	138.7	139.1
55°	1689.5	1278.6	454.7	203.7	162.3	145.0	139.4	139.7	137.7	134.2	134.5
57.5°	1706.5	1256.0	424.1	199.9	161.6	142.2	135.6	136.3	134.9	131.1	131.1
60°	1658.9	1173.3	368.1	191.2	159.9	140.4	132.8	133.8	133.1	129.3	129.3
62.5°	1534.1	1026.2	301.4	178.0	155.0	138.4	130.4	132.4	134.2	132.1	131.8
65°	1300.5	822.1	245.1	163.4	148.8	134.9	126.9	132.1	135.9	138.7	138.7
67.5°	975.8	588.5	199.9	148.1	139.4	127.9	122.4	127.2	130.0	131.8	132.8
70°	594.8	346.2	157.5	130.4	125.8	117.5	113.3	108.5	104.6	103.9	104.3
72.5°	291.0	198.2	127.9	110.9	107.4	99.8	90.4	88.3	86.6	85.5	85.2
75°	160.3	138.0	105.7	92.1	85.9	76.5	74.4	70.9	70.2	68.8	69.2
77.5°	113.3	108.8	87.3	74.7	65.4	60.5	61.5	59.1	59.1	58.1	57.7
80°	85.2	85.5	67.1	54.6	48.3	46.6	47.6	47.6	46.9	46.6	46.2
82.5°	53.9	60.8	45.2	35.1	34.4	34.8	34.4	34.1	34.8	33.7	33.4
85°	37.2	43.8	27.5	20.9	20.9	20.5	21.2	20.9	21.6	20.5	20.5
87.5°	8.3	19.5	10.1	6.3	6.6	6.3	6.6	7.0	7.6	8.0	8.0
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)