

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: P630237

Luminaire Tested: GWS-SA1D-730-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630237  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-730-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

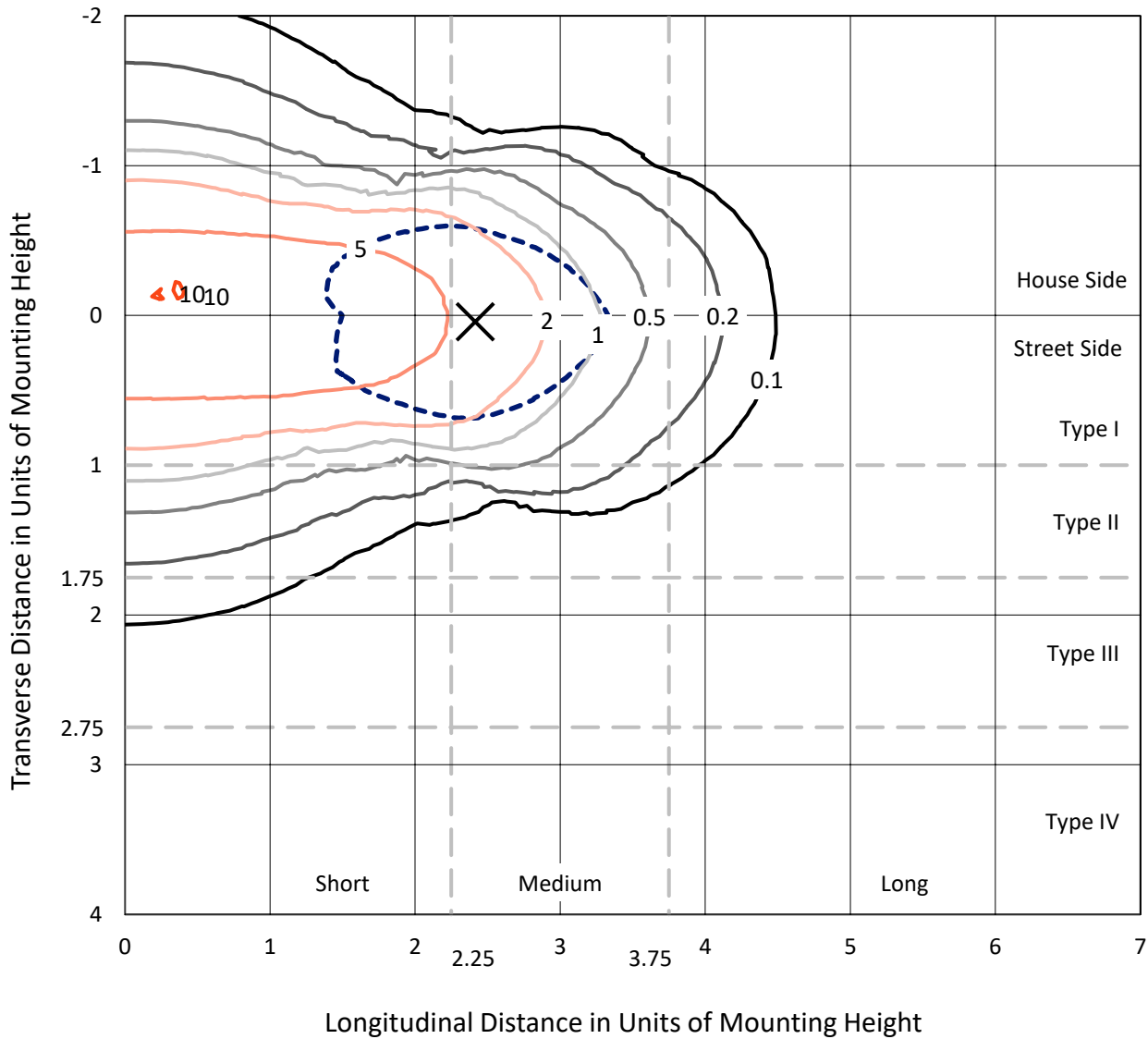
Lumens per Lamp: N/A  
Luminaire Lumens: 5511.7 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

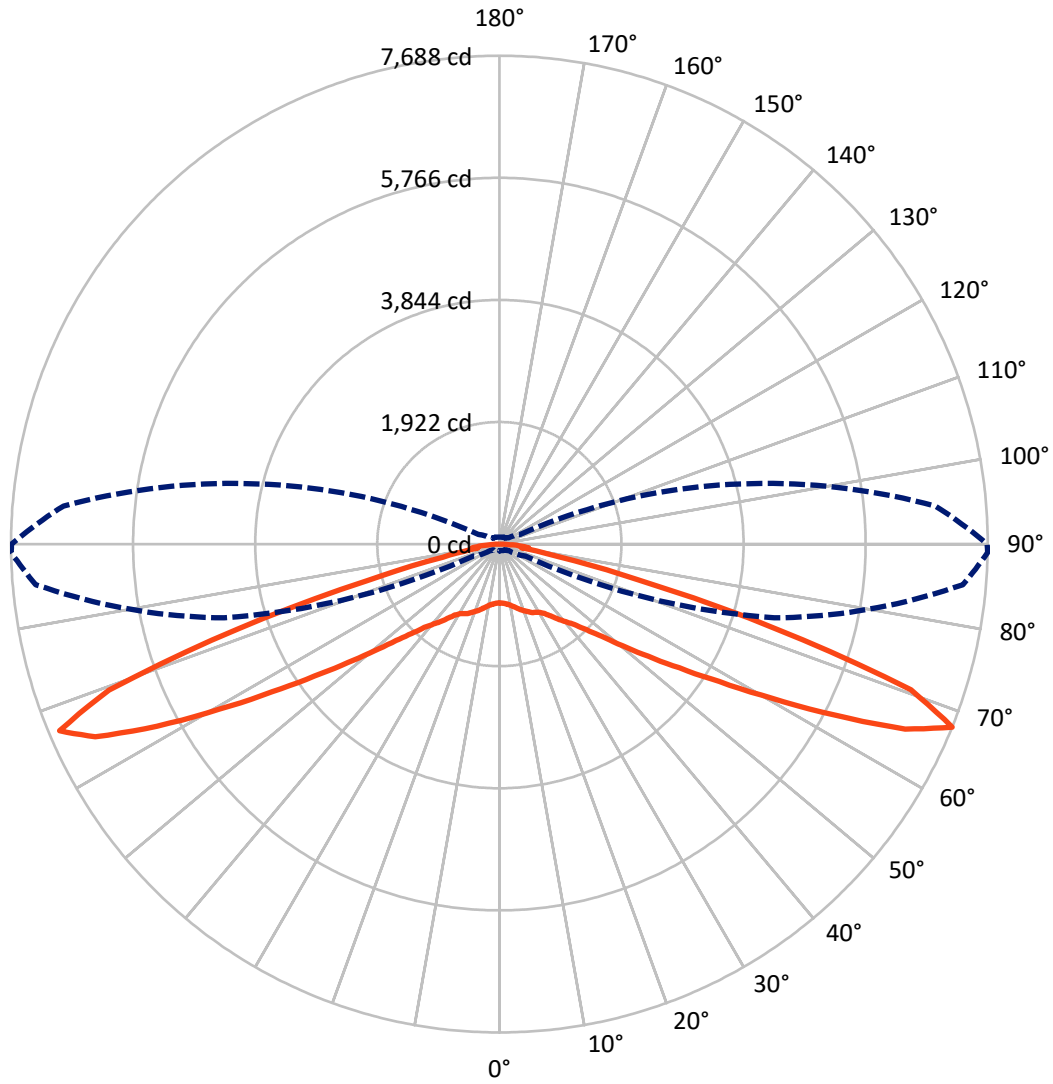
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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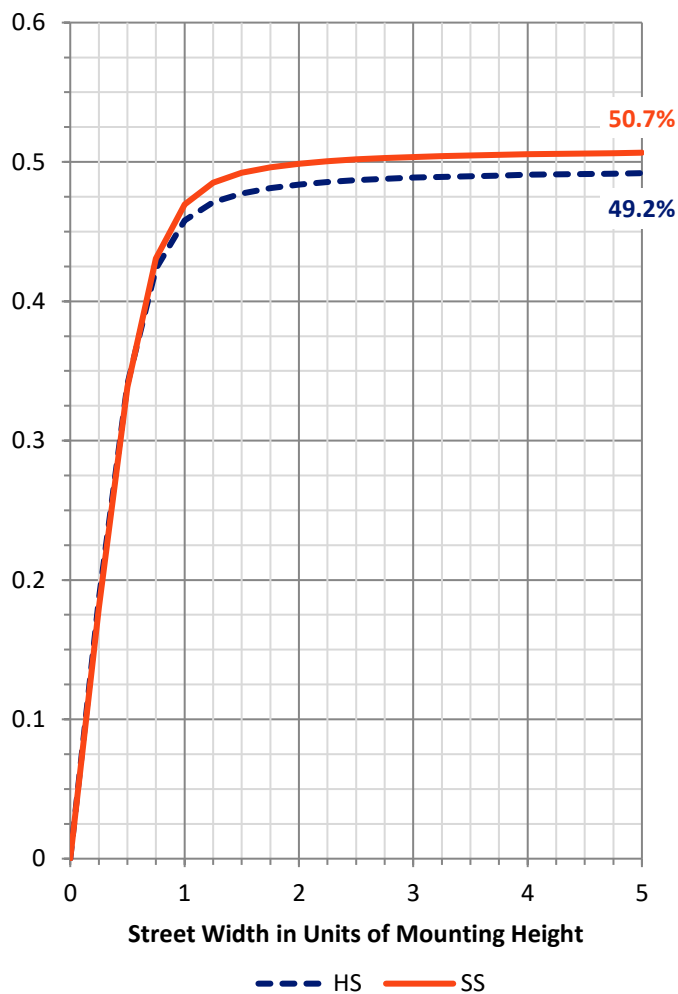
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2731.7	0.0	2731.7
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	2780.0	0.0	2780.0
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	5511.7	0.0	5511.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	1.7
10°-20°	302.2	5.5
20°-30°	510.8	9.3
30°-40°	701.0	12.7
40°-50°	893.9	16.2
50°-60°	1121.5	20.3
60°-70°	1352.7	24.5
70°-80°	489.3	8.9
80°-90°	47.6	0.9
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°	5511.7	100.0
0°-180°	5511.7	100.0

**Coefficient of Utilization**



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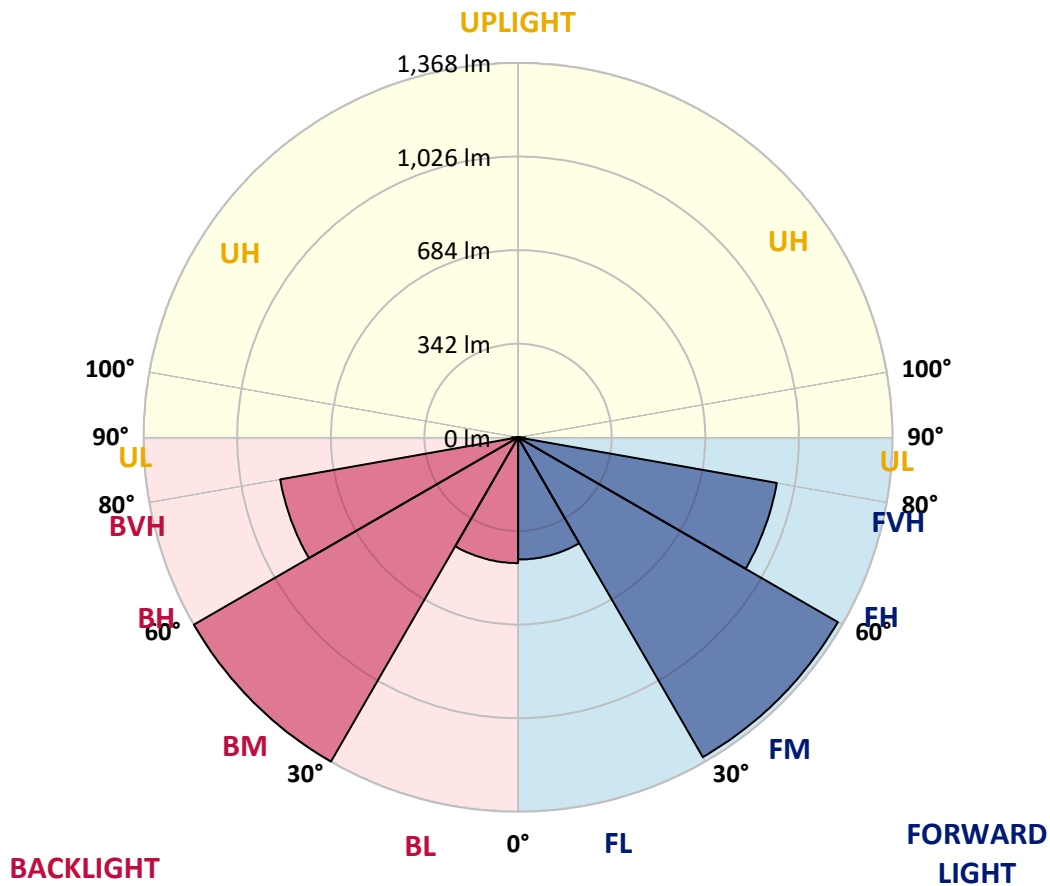
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.4	8.1			
FM (30°-60°)	1348.8	24.5			
FH (60°-80°)	959.7	17.4			G1/1800
FVH (80°-90°)	25.1	0.5			G1/100
BL (0°-30°)	459.3	8.3	B1/500		
BM (30°-60°)	1367.6	24.8	B2/2500		
BH (60°-80°)	882.3	16.0	B2/1000		G2/1000
BVH (80°-90°)	22.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1
2.5°	927.9	927.1	925.1	931.0	929.8	930.2	932.6	931.0	928.3	923.5	930.2
5°	954.0	953.6	949.2	952.8	948.8	946.1	945.7	941.7	938.6	933.4	940.5
7.5°	979.3	978.9	975.4	981.7	978.5	975.4	971.8	963.9	956.4	948.8	956.8
10°	998.7	998.3	997.5	1006.6	1007.4	1008.6	1007.0	993.6	980.5	971.4	979.3
12.5°	1009.8	1011.0	1013.0	1029.6	1037.9	1045.8	1047.8	1036.7	1015.0	1001.9	1011.4
15°	1002.3	1004.7	1014.6	1044.6	1067.6	1085.4	1092.9	1083.8	1055.7	1034.0	1044.6
17.5°	966.3	968.2	987.6	1033.6	1084.2	1125.4	1137.7	1132.1	1100.9	1074.3	1084.6
20°	916.4	920.7	941.7	1005.8	1081.5	1153.1	1186.0	1184.0	1149.9	1109.2	1121.4
22.5°	871.3	876.4	898.6	969.4	1062.8	1160.2	1234.6	1239.8	1194.7	1144.0	1153.9
25°	820.6	825.3	853.8	926.3	1030.8	1154.7	1276.2	1299.6	1245.3	1184.0	1193.1
27.5°	768.7	772.3	800.4	877.6	988.8	1144.4	1309.1	1365.3	1295.2	1211.7	1218.0
30°	723.2	728.0	753.7	828.9	942.9	1123.8	1336.0	1435.3	1352.6	1243.0	1248.1
32.5°	679.3	683.2	711.3	781.0	894.2	1092.1	1360.1	1517.7	1437.7	1301.1	1301.1
35°	623.9	631.0	662.6	735.1	848.3	1050.2	1377.5	1613.5	1554.1	1387.0	1387.4
37.5°	572.8	576.7	610.0	683.2	800.0	1002.7	1379.1	1712.8	1701.4	1496.3	1497.1
40°	514.6	519.7	555.4	627.8	744.6	952.8	1364.1	1805.5	1855.7	1608.7	1604.4
42.5°	455.6	463.1	497.2	568.0	684.8	891.8	1324.1	1893.7	2051.7	1739.0	1728.3
45°	398.6	403.4	437.4	504.3	616.3	819.0	1260.0	1978.4	2284.4	1936.9	1921.4
47.5°	334.5	336.5	371.7	435.8	545.5	737.9	1168.1	2054.1	2540.2	2198.9	2172.4
50°	277.5	280.3	308.0	363.0	458.8	641.7	1053.7	2098.4	2865.9	2556.4	2510.5
52.5°	224.4	227.2	249.4	293.3	379.2	532.0	912.0	2088.1	3196.5	3000.1	2933.2
55°	181.3	183.3	198.3	232.8	298.5	423.2	744.6	1995.9	3563.4	3579.6	3435.6
57.5°	153.2	154.0	164.3	185.3	233.2	326.2	574.8	1778.1	3948.2	4319.1	4082.4
60°	137.0	137.4	142.1	155.2	184.1	249.0	421.2	1431.4	4346.8	5244.2	4919.6
62.5°	126.7	126.7	130.6	138.2	152.8	191.6	309.6	1028.0	4633.0	6250.8	5928.2
65°	116.8	116.8	119.5	125.9	133.8	156.4	232.4	663.0	4773.5	7092.4	7020.7
67.5°	104.1	104.5	106.5	113.2	120.3	130.6	176.2	448.5	4481.8	7325.1	7687.7
70°	92.2	92.6	95.4	99.8	105.7	112.8	137.8	309.2	3262.2	6100.8	6873.9
72.5°	79.2	80.8	82.7	87.5	91.0	96.2	112.4	200.3	1898.1	3924.4	4543.9
75°	64.9	66.9	69.3	74.0	76.4	78.4	92.6	142.9	913.2	1988.7	2264.6
77.5°	50.3	52.3	55.0	59.4	61.0	63.3	70.9	103.3	437.4	881.6	950.4
80°	33.6	34.4	36.8	42.0	44.7	46.3	52.3	70.5	190.0	353.9	350.7
82.5°	20.6	21.0	21.8	24.9	26.1	27.7	34.0	43.1	90.6	402.2	461.2
85°	7.5	7.1	6.7	8.7	10.3	11.9	15.8	21.8	39.6	276.3	309.2
87.5°	0.0	0.0	0.0	0.4	0.8	0.8	1.6	3.2	9.5	103.3	70.9
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°	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1
2.5°	928.3	923.9	929.4	933.4	942.1	945.3	946.1	943.3	943.3	938.6	939.3
5°	938.9	936.2	945.3	952.0	964.7	969.4	972.6	970.6	971.8	968.6	969.4
7.5°	955.2	952.8	968.6	981.7	994.8	1000.3	1003.1	1001.5	1001.9	997.9	999.1
10°	977.7	978.5	997.5	1014.6	1032.0	1037.5	1038.7	1034.0	1030.0	1022.9	1023.3
12.5°	1008.6	1012.6	1039.5	1058.5	1076.3	1084.2	1075.5	1058.1	1041.9	1029.6	1028.0
15°	1042.3	1049.4	1088.2	1112.3	1131.7	1127.8	1102.0	1062.8	1030.8	1012.6	1009.0
17.5°	1082.6	1093.3	1142.0	1170.9	1187.5	1162.2	1108.4	1049.8	1005.1	980.5	975.8
20°	1120.6	1137.7	1199.0	1236.6	1238.6	1181.6	1105.6	1023.3	967.1	937.0	930.6
22.5°	1155.5	1177.2	1258.8	1306.7	1281.0	1190.3	1088.6	985.7	921.1	885.9	880.4
25°	1193.5	1224.4	1328.5	1373.2	1323.3	1186.7	1053.0	938.9	865.7	829.7	825.7
27.5°	1219.6	1258.4	1398.5	1441.3	1358.2	1166.6	1007.0	887.9	815.0	781.0	775.5
30°	1249.7	1299.2	1475.7	1515.3	1379.5	1136.9	957.9	840.4	767.9	731.1	727.2
32.5°	1304.3	1366.5	1571.5	1593.7	1386.3	1100.1	910.8	794.5	718.9	682.0	676.5
35°	1392.2	1465.0	1706.1	1681.2	1381.1	1059.7	866.1	740.6	668.6	634.1	628.6
37.5°	1503.0	1593.7	1856.1	1759.9	1366.9	1015.3	813.1	695.5	623.5	588.6	585.5
40°	1606.3	1718.0	2024.4	1828.0	1338.0	960.7	762.0	648.4	574.8	538.0	530.8
42.5°	1735.8	1884.2	2219.1	1887.0	1290.5	895.4	704.6	590.2	513.8	480.6	471.8
45°	1932.5	2117.0	2445.5	1943.6	1219.6	815.0	632.6	519.4	446.9	412.9	406.1
47.5°	2178.0	2407.9	2691.0	1977.3	1111.9	730.3	551.0	444.5	372.1	333.7	330.5
50°	2522.7	2831.1	2954.2	1971.3	991.6	629.8	459.2	355.5	294.9	267.2	262.8
52.5°	2942.7	3362.3	3238.8	1900.1	863.7	515.4	357.8	279.1	233.9	214.2	210.6
55°	3469.6	3998.5	3538.5	1747.3	702.2	394.7	281.1	220.1	189.2	177.3	175.8
57.5°	4122.0	4822.2	3827.0	1490.0	528.1	301.2	216.5	181.7	167.0	159.9	159.5
60°	4982.9	5696.6	4077.6	1157.9	378.0	230.4	178.9	162.3	150.8	146.1	145.7
62.5°	6006.6	6490.7	4233.6	788.5	284.2	183.7	157.5	147.3	140.5	137.8	137.4
65°	7058.7	6992.6	4159.2	516.6	215.7	156.0	141.3	135.8	129.8	127.1	127.1
67.5°	7680.2	6886.6	3588.0	358.6	171.0	137.0	127.5	122.3	112.4	110.0	110.0
70°	6802.6	5580.3	2351.7	262.4	138.5	119.9	110.8	103.7	99.8	97.4	97.0
72.5°	4499.2	3631.1	1250.5	182.1	115.6	102.1	93.8	91.0	86.3	83.9	83.5
75°	2239.3	1907.2	640.9	131.4	96.2	81.9	78.4	77.2	73.2	70.1	69.3
77.5°	933.4	849.1	298.9	95.4	73.2	66.1	62.9	62.9	58.6	55.0	53.4
80°	351.9	313.5	141.3	65.3	54.2	49.1	47.1	45.5	42.0	37.6	35.2
82.5°	470.7	307.6	69.3	40.8	35.6	31.7	28.9	27.7	25.7	23.8	22.2
85°	304.8	218.5	31.3	21.0	17.8	13.5	11.9	11.1	9.9	8.7	7.9
87.5°	62.1	73.2	9.5	4.0	2.4	1.2	1.2	0.4	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)