

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: P630222

Luminaire Tested: GWS-SA1D-730-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5426.2 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - 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

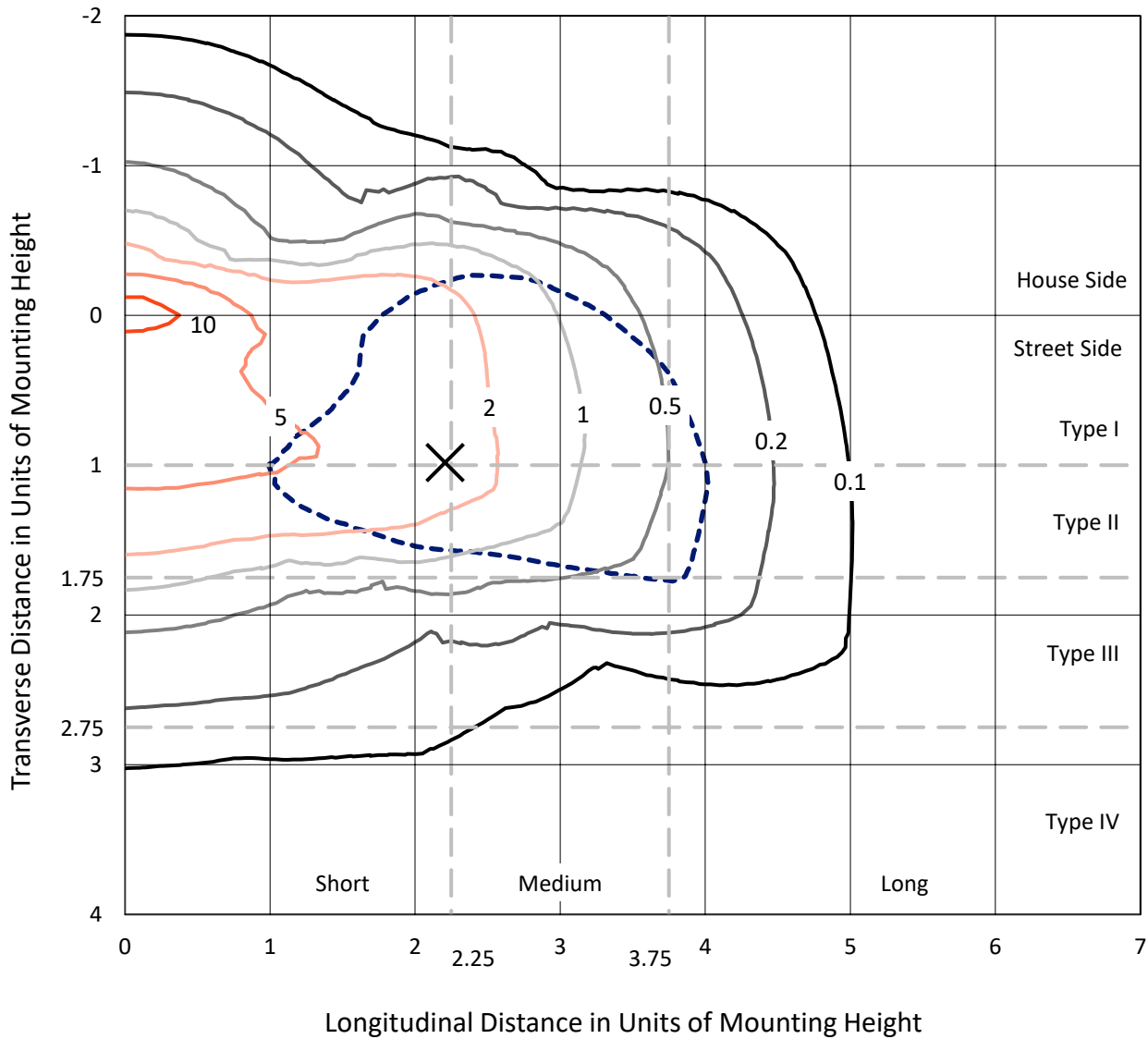


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Iso-Footcandle Lines of Horizontal Illumination

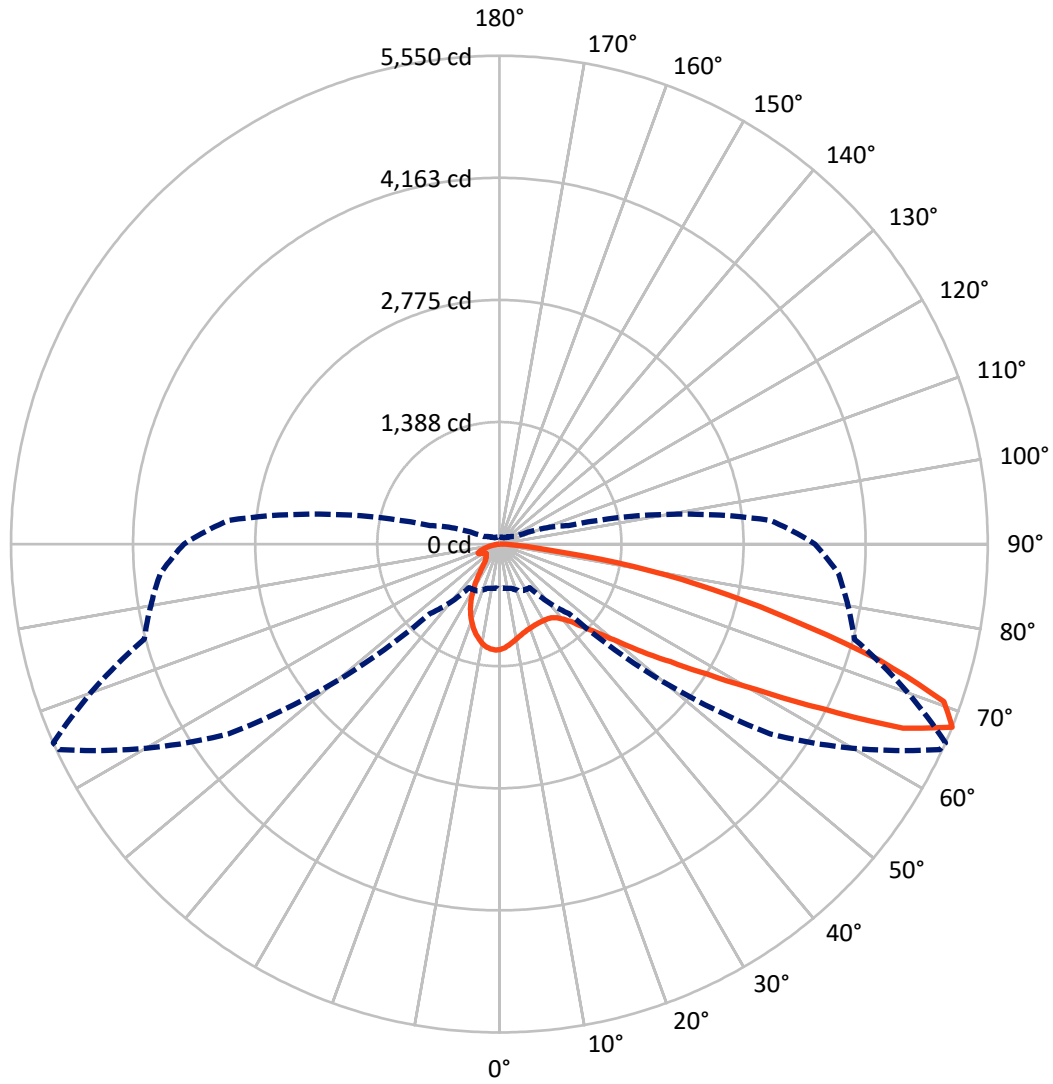
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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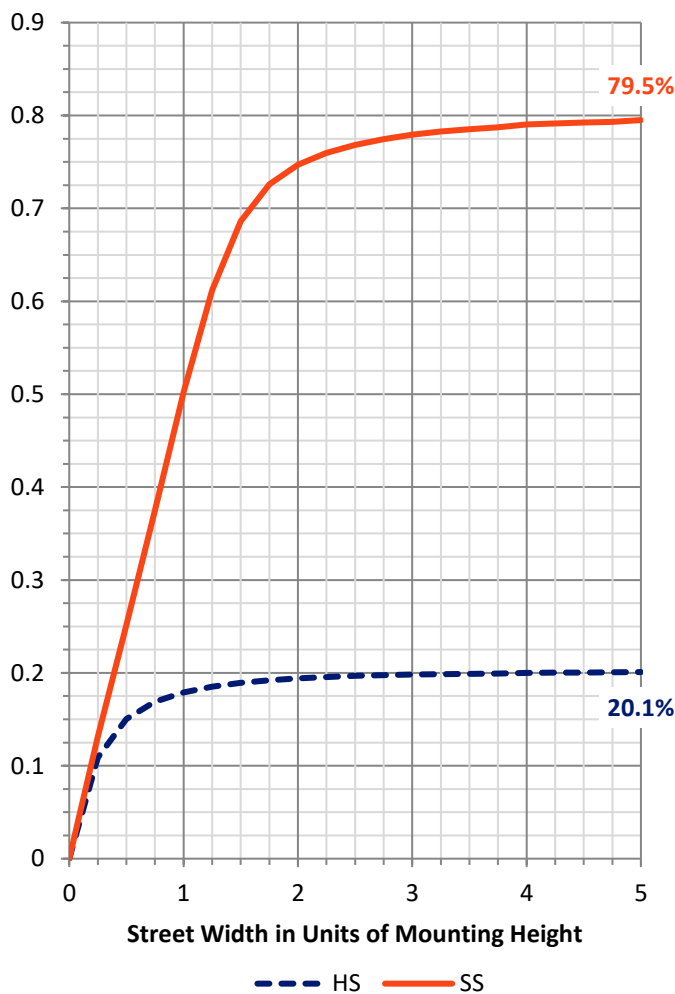
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1101.1	0.0	1101.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	4325.1	0.0	4325.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	5426.2	0.0	5426.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	1.9
10°-20°	258.6	4.8
20°-30°	355.5	6.6
30°-40°	486.0	9.0
40°-50°	736.4	13.6
50°-60°	1144.8	21.1
60°-70°	1393.7	25.7
70°-80°	849.0	15.6
80°-90°	97.0	1.8
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°	5426.2	100.0
0°-180°	5426.2	100.0

Coefficient of Utilization



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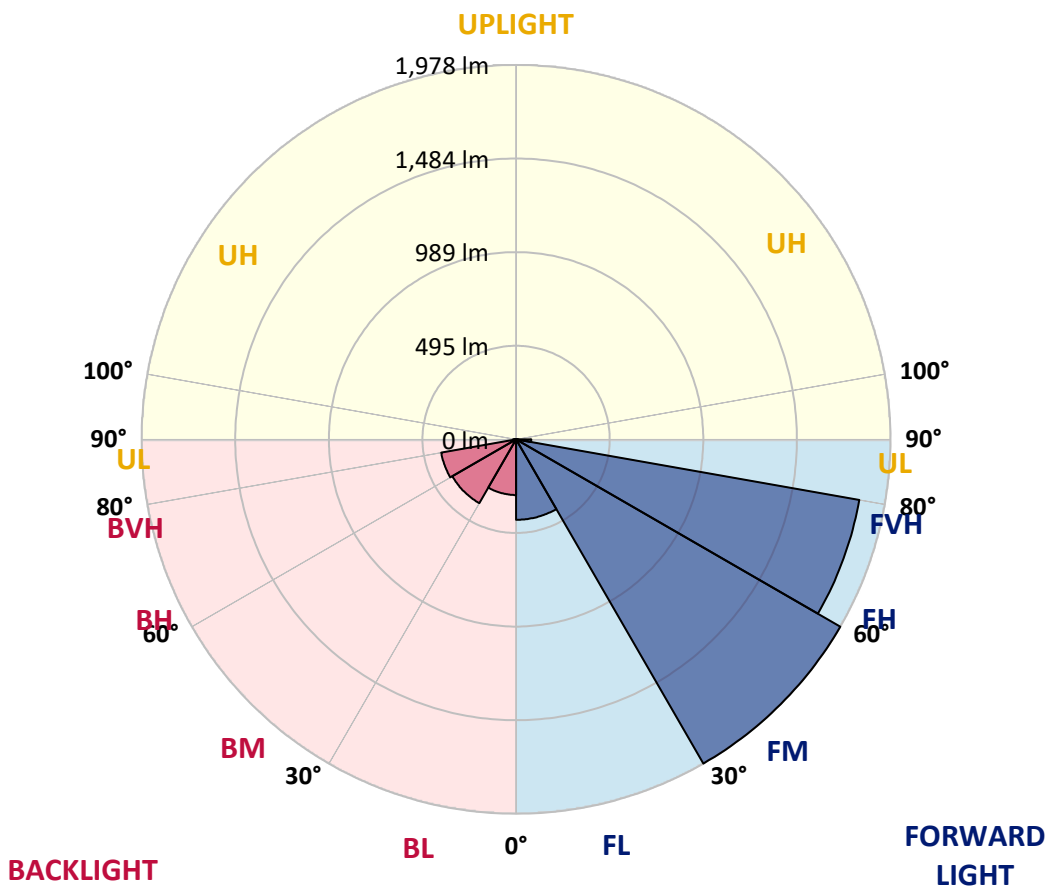
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.2	7.8			
FM (30°-60°)	1978.1	36.5			
FH (60°-80°)	1841.2	33.9			G2/5000
FVH (80°-90°)	80.6	1.5			G1/100
BL (0°-30°)	294.2	5.4	B1/500		
BM (30°-60°)	389.1	7.2	B1/1000		
BH (60°-80°)	401.5	7.4	B1/500		G1/500
BVH (80°-90°)	16.4	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0
2.5°	1123.0	1127.0	1124.6	1139.7	1140.5	1159.5	1170.1	1179.2	1180.0	1191.9	1199.8
5°	1046.2	1048.6	1048.6	1062.9	1072.4	1097.7	1122.2	1148.4	1150.3	1178.8	1200.6
7.5°	984.1	986.5	984.9	1003.9	1016.2	1044.3	1075.5	1115.5	1119.5	1165.4	1203.4
10°	935.4	934.6	938.6	956.0	971.8	1005.5	1040.3	1085.8	1091.8	1150.0	1206.6
12.5°	902.1	902.9	905.3	923.5	940.5	973.8	1009.8	1059.3	1065.6	1132.1	1205.0
15°	886.3	884.7	886.7	903.3	919.6	948.9	986.1	1037.1	1043.5	1116.3	1205.4
17.5°	882.8	881.6	881.2	893.0	905.3	932.6	968.3	1020.1	1026.8	1106.0	1207.7
20°	893.8	892.3	887.9	893.0	898.2	921.1	955.6	1007.8	1015.4	1099.3	1212.5
22.5°	924.3	921.5	914.8	908.5	901.8	915.6	947.7	998.7	1006.3	1094.9	1217.2
25°	970.6	968.3	961.1	946.9	922.3	920.0	946.1	994.8	1002.3	1091.8	1219.2
27.5°	1034.4	1030.8	1023.7	1003.1	963.1	936.2	952.0	994.4	1001.5	1088.2	1217.2
30°	1110.0	1107.6	1103.6	1078.7	1025.3	970.6	965.5	997.5	1003.1	1086.2	1213.3
32.5°	1186.8	1184.4	1187.6	1175.7	1110.0	1027.6	994.8	1006.3	1010.2	1085.8	1209.7
35°	1254.5	1257.2	1280.2	1282.2	1217.6	1104.8	1041.1	1026.4	1027.2	1093.7	1211.3
37.5°	1325.3	1336.0	1366.1	1391.8	1338.0	1207.0	1110.0	1064.4	1063.7	1113.9	1221.2
40°	1419.1	1423.9	1462.3	1510.6	1476.9	1347.1	1207.7	1126.6	1121.1	1155.1	1247.7
42.5°	1510.6	1522.1	1583.4	1638.8	1627.7	1505.0	1330.9	1219.6	1209.7	1227.9	1302.4
45°	1627.0	1638.0	1706.9	1778.2	1798.4	1683.6	1488.4	1351.8	1341.9	1337.6	1402.5
47.5°	1743.3	1754.8	1816.6	1919.5	1990.3	1906.8	1693.5	1526.4	1510.2	1493.2	1553.7
50°	1821.7	1835.2	1894.2	2017.7	2183.9	2185.5	1936.5	1755.2	1734.6	1707.7	1766.7
52.5°	1818.9	1827.6	1883.9	2026.4	2323.3	2505.7	2261.9	2046.6	2029.9	1971.3	2022.8
55°	1676.0	1689.1	1745.7	1923.8	2338.3	2809.4	2740.1	2390.2	2360.5	2255.6	2312.2
57.5°	1389.0	1400.1	1457.1	1676.8	2204.9	2964.9	3347.3	2828.0	2787.2	2565.1	2630.4
60°	1048.6	1035.2	1062.1	1254.5	1885.8	2968.9	3883.3	3421.7	3353.7	2896.1	2950.7
62.5°	787.0	773.5	779.4	833.7	1278.6	2729.0	4188.9	4234.0	4121.6	3269.7	3259.1
65°	621.9	614.4	631.4	668.6	745.4	2078.2	4191.3	5112.4	5041.6	3702.8	3575.3
67.5°	506.7	501.9	519.4	588.2	604.5	1116.7	3758.2	5522.5	5550.2	4177.0	3868.7
70°	408.1	401.0	428.3	519.0	562.1	675.7	2692.2	5313.5	5358.3	4459.7	3785.9
72.5°	281.8	282.2	296.1	420.4	542.7	583.5	1522.8	4424.4	4521.4	4203.6	3328.3
75°	190.0	191.6	195.6	277.5	500.0	566.1	811.5	3349.7	3418.2	3474.4	2751.2
77.5°	114.8	115.6	124.7	167.8	344.8	528.5	549.8	2428.2	2482.0	2290.4	1705.3
80°	66.5	69.3	77.6	112.4	232.8	397.0	425.5	1488.8	1549.8	1018.1	541.9
82.5°	29.3	31.3	42.4	65.3	135.8	337.7	332.1	588.2	579.5	283.8	188.0
85°	5.1	6.3	9.1	20.6	49.9	178.1	257.7	259.7	244.2	107.7	78.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	38.8	69.7	69.3	30.5	26.9
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°	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0
2.5°	1205.0	1194.3	1203.8	1205.0	1203.0	1201.4	1189.5	1179.2	1178.1	1167.0	1167.0
5°	1209.3	1199.4	1204.2	1195.1	1180.8	1166.2	1140.8	1123.4	1115.5	1101.3	1101.3
7.5°	1215.3	1205.0	1199.4	1176.9	1143.6	1111.6	1070.8	1036.7	1022.9	1002.7	1001.9
10°	1220.8	1207.7	1188.7	1144.8	1091.8	1040.7	981.3	933.0	900.2	876.0	876.0
12.5°	1220.4	1203.4	1165.8	1100.9	1027.6	953.6	874.4	801.6	758.1	720.5	718.1
15°	1219.6	1196.3	1136.5	1049.8	952.8	850.3	742.6	647.6	583.1	546.3	543.1
17.5°	1218.8	1187.2	1103.6	991.6	861.8	722.0	579.9	477.0	423.2	400.6	401.4
20°	1218.8	1176.9	1068.4	924.7	756.9	568.4	425.5	350.7	337.3	338.5	339.6
22.5°	1215.3	1164.2	1029.2	851.9	640.1	418.0	313.9	288.6	295.7	306.8	308.4
25°	1207.0	1143.2	983.7	771.1	501.1	304.4	256.1	251.4	264.4	278.3	282.2
27.5°	1193.9	1119.1	932.6	676.5	368.9	244.6	225.2	224.8	235.1	245.4	249.0
30°	1180.0	1092.2	878.8	571.2	267.2	213.0	205.4	205.4	210.6	216.9	216.1
32.5°	1163.8	1064.8	821.0	461.6	217.7	195.2	192.8	191.6	192.4	194.8	194.8
35°	1150.0	1040.7	761.6	345.6	195.2	185.3	182.9	180.1	178.9	177.3	178.1
37.5°	1144.8	1021.7	700.3	260.5	184.1	178.1	174.2	170.2	167.4	166.7	166.3
40°	1153.1	1013.8	638.9	214.6	176.2	170.6	166.3	161.1	158.7	158.7	158.7
42.5°	1185.6	1019.7	576.4	194.0	170.6	164.3	157.9	153.2	152.4	153.2	153.6
45°	1245.0	1042.7	511.4	183.7	165.9	157.9	150.4	146.9	146.9	147.7	147.7
47.5°	1351.0	1102.8	447.3	177.3	161.1	152.8	144.9	141.3	140.9	141.7	141.7
50°	1534.7	1211.3	389.5	173.0	157.5	148.8	140.9	136.2	135.0	134.6	134.6
52.5°	1766.3	1399.3	352.7	169.8	153.2	144.5	136.6	130.2	127.9	126.7	126.7
55°	2046.2	1649.9	352.7	167.4	147.7	139.3	130.2	123.9	120.3	118.8	118.8
57.5°	2363.2	1941.7	413.7	165.5	143.3	133.4	123.5	117.2	113.2	110.8	110.8
60°	2685.9	2250.0	564.5	162.7	139.3	125.9	116.0	110.0	104.9	102.1	101.7
62.5°	3020.4	2589.7	763.2	164.3	136.6	118.8	108.1	101.3	97.0	94.2	93.8
65°	3326.7	2913.1	937.0	176.6	137.0	112.4	99.0	93.0	89.5	85.9	85.5
67.5°	3586.8	3091.6	815.1	201.5	145.3	104.9	89.9	83.9	80.8	78.4	78.0
70°	3404.7	2819.3	462.4	216.9	156.8	97.0	79.6	75.6	72.4	70.9	70.5
72.5°	2911.5	2387.0	309.2	191.6	142.9	86.7	70.1	66.9	64.5	62.5	62.1
75°	2358.5	1893.0	236.3	157.2	111.2	70.5	60.2	57.8	55.4	53.4	53.0
77.5°	1395.4	1093.7	174.2	124.3	78.4	55.0	49.9	47.9	45.5	43.9	43.5
80°	445.3	380.0	110.4	85.5	51.9	42.4	38.4	36.8	34.4	32.5	32.1
82.5°	169.8	146.9	58.6	43.5	34.4	28.9	25.7	24.1	22.6	20.6	20.2
85°	75.2	70.5	32.5	23.4	18.6	14.3	12.7	11.9	9.9	8.3	7.9
87.5°	26.5	26.5	13.9	6.7	4.0	2.0	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)