

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: P629896

Luminaire Tested: GWS-SA1C-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4817.5 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

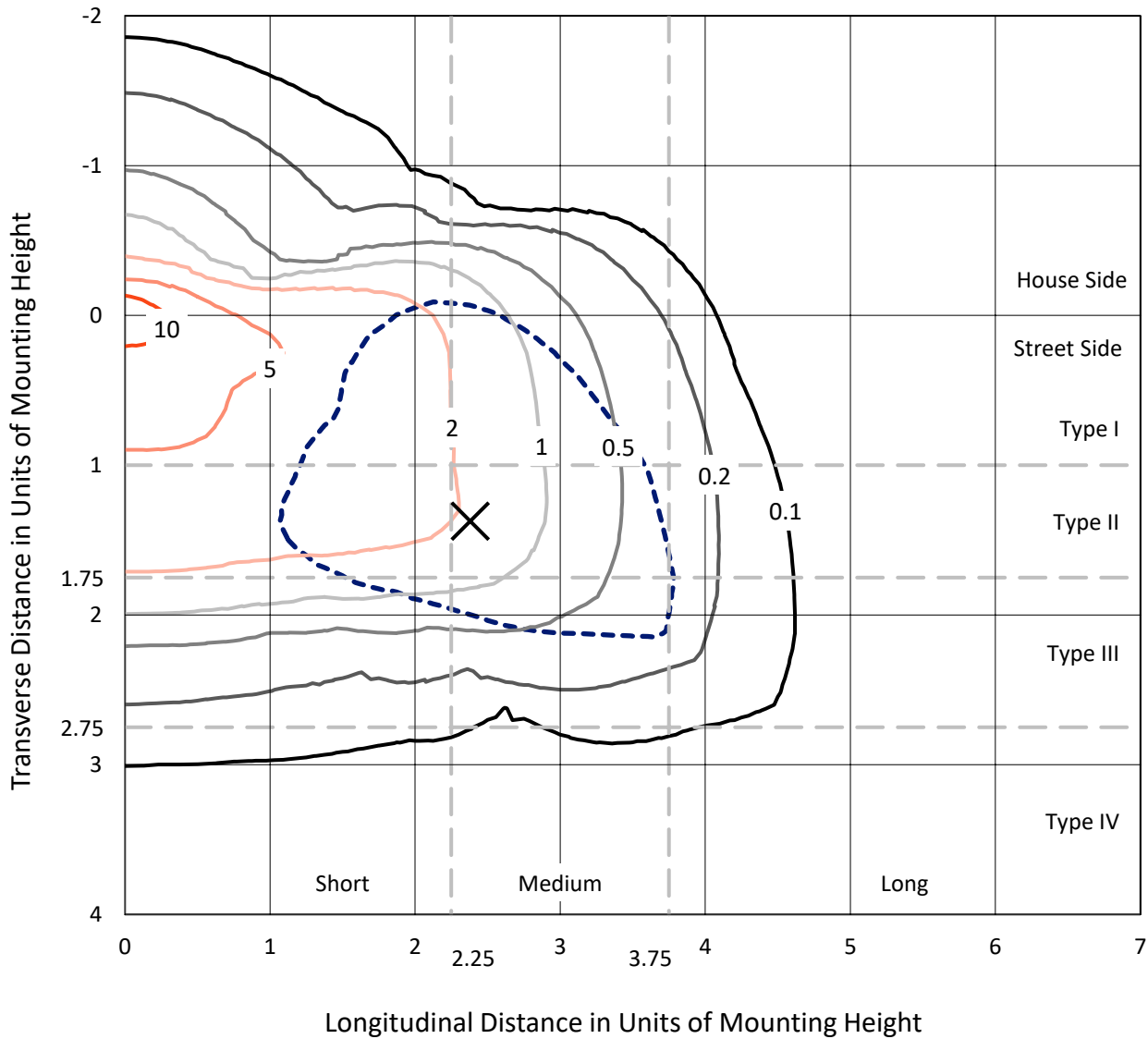
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

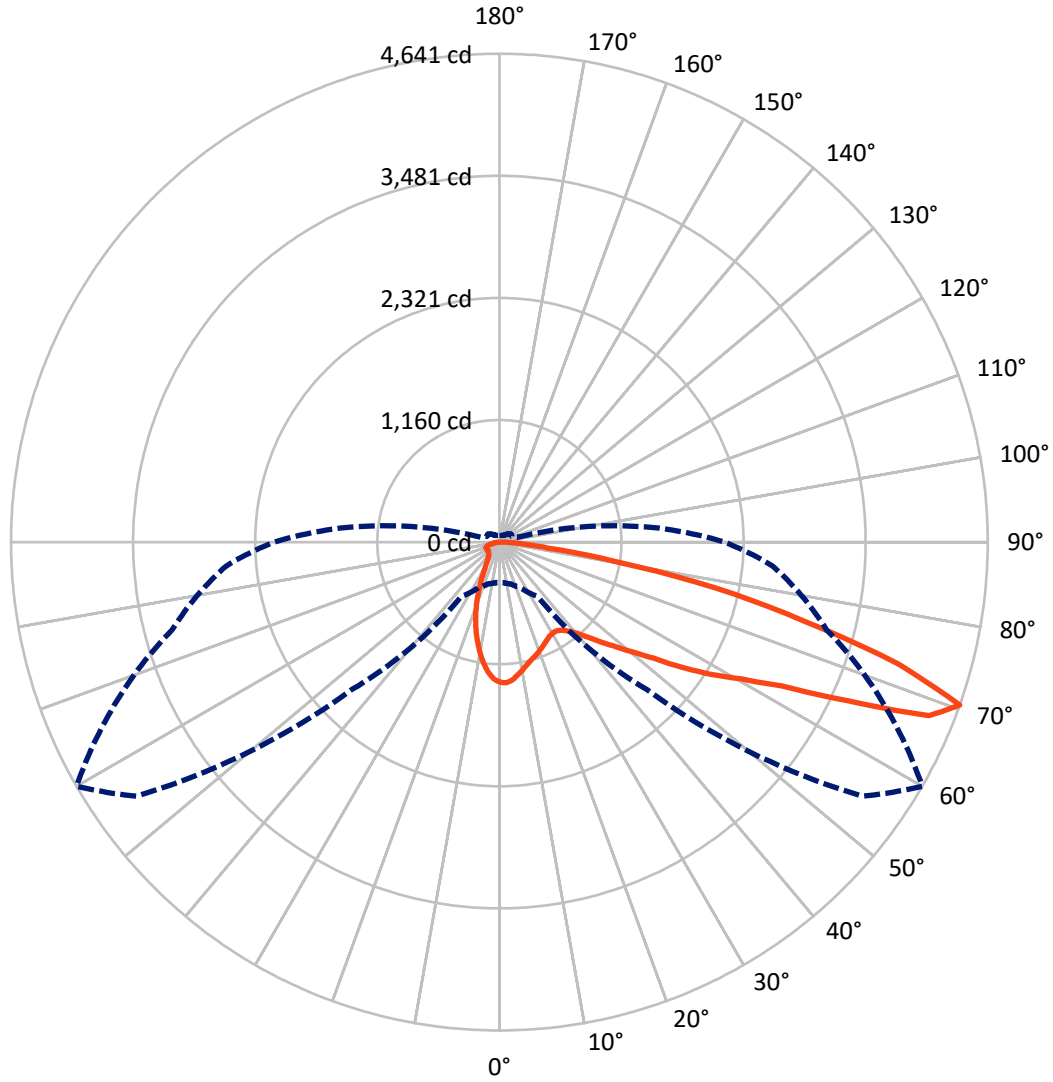
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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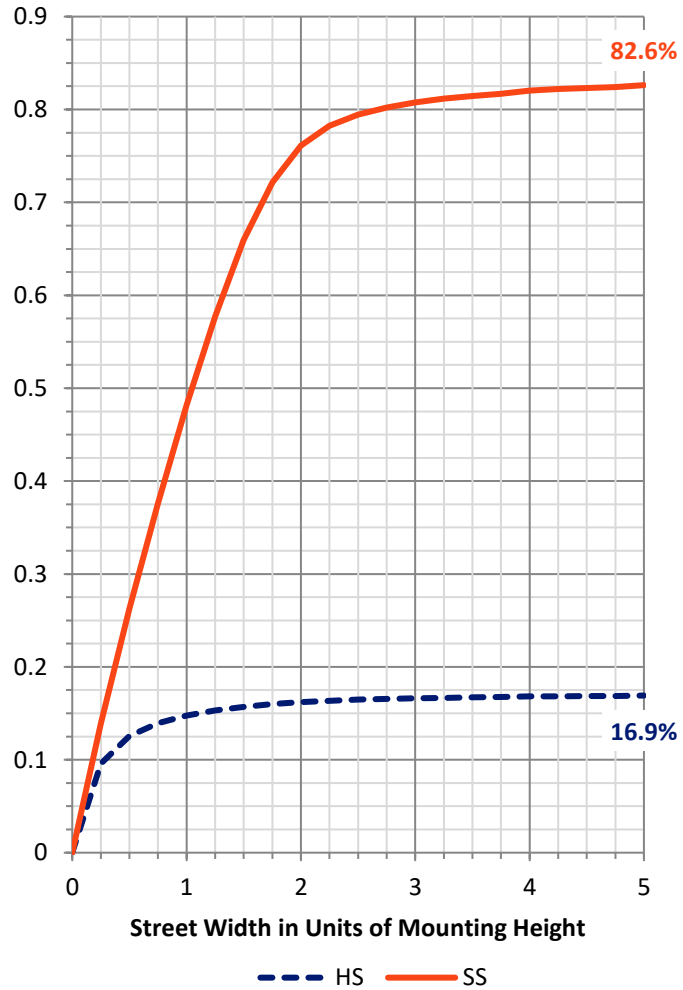
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	823.9	0.0	823.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	3993.6	0.0	3993.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	4817.5	0.0	4817.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	2.4
10°-20°	257.4	5.3
20°-30°	329.7	6.8
30°-40°	433.3	9.0
40°-50°	628.6	13.0
50°-60°	980.8	20.4
60°-70°	1284.0	26.7
70°-80°	710.0	14.7
80°-90°	78.8	1.6
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°	4817.5	100.0
0°-180°	4817.5	100.0

Coefficient of Utilization



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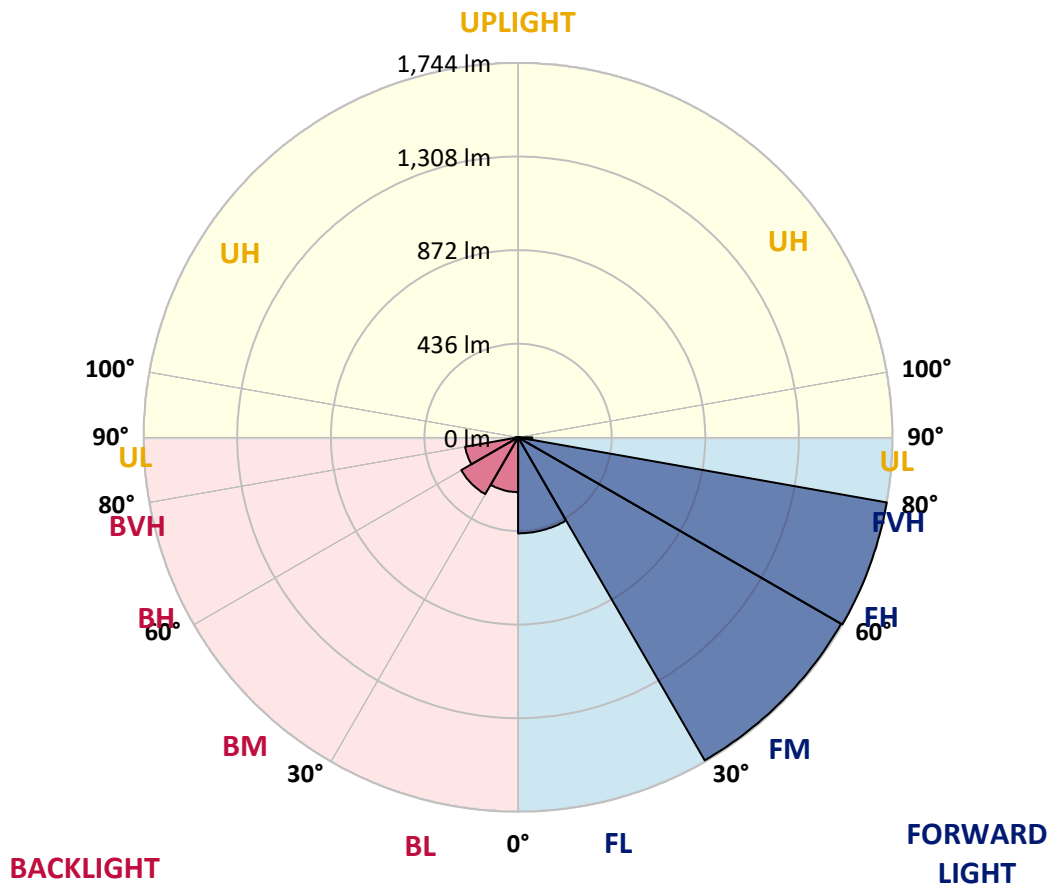
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.1	9.3			
FM (30°-60°)	1737.2	36.1			
FH (60°-80°)	1743.7	36.2			G1/1800
FVH (80°-90°)	65.7	1.4			G1/100
BL (0°-30°)	254.9	5.3	B1/500		
BM (30°-60°)	305.5	6.3	B1/1000		
BH (60°-80°)	250.4	5.2	B1/500		G1/500
BVH (80°-90°)	13.1	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1
2.5°	1314.4	1315.8	1319.7	1325.3	1330.9	1333.8	1340.8	1338.7	1337.3	1334.5	1330.9
5°	1256.2	1259.0	1262.6	1273.5	1285.8	1295.7	1311.6	1313.3	1314.0	1315.4	1309.8
7.5°	1182.2	1182.9	1191.4	1205.8	1222.0	1239.0	1265.4	1272.8	1279.1	1286.2	1281.6
10°	1100.4	1102.2	1108.5	1129.3	1157.2	1182.2	1217.8	1230.1	1243.5	1259.0	1252.7
12.5°	1033.5	1033.8	1044.0	1066.2	1096.6	1130.4	1174.8	1189.6	1207.2	1231.6	1225.9
15°	980.2	980.2	989.8	1008.8	1043.7	1083.5	1136.4	1155.4	1179.4	1212.2	1202.3
17.5°	937.9	938.3	944.3	964.4	995.4	1039.5	1102.2	1127.9	1154.4	1197.7	1182.9
20°	915.7	914.0	915.0	927.4	953.8	996.4	1068.0	1098.0	1133.6	1187.8	1165.3
22.5°	914.7	911.5	906.9	908.0	923.5	958.7	1031.3	1067.7	1112.4	1179.7	1147.3
25°	932.7	929.1	921.0	911.9	910.4	931.6	996.8	1038.0	1090.6	1176.2	1130.0
27.5°	963.0	960.5	949.9	936.2	921.7	921.0	970.7	1013.7	1074.7	1179.7	1117.7
30°	1003.1	998.9	992.2	974.6	952.7	930.2	960.5	1000.7	1064.1	1191.0	1112.4
32.5°	1048.6	1046.1	1039.8	1022.2	998.9	963.0	968.6	1003.5	1064.1	1210.8	1113.5
35°	1096.9	1096.6	1096.6	1084.9	1059.2	1014.4	1000.7	1027.5	1080.3	1242.5	1124.8
37.5°	1143.8	1143.4	1154.7	1158.9	1129.7	1081.4	1055.3	1075.4	1115.9	1289.4	1152.6
40°	1181.9	1183.3	1207.9	1229.1	1212.9	1168.1	1131.4	1141.7	1173.7	1356.0	1201.2
42.5°	1220.3	1224.1	1261.2	1298.5	1304.9	1266.1	1229.1	1235.1	1256.6	1444.1	1273.8
45°	1262.2	1264.0	1315.8	1368.0	1398.6	1375.7	1345.4	1353.5	1358.4	1553.0	1382.1
47.5°	1302.8	1307.3	1374.3	1445.9	1504.0	1501.9	1485.0	1482.5	1483.6	1685.5	1510.0
50°	1358.1	1364.8	1443.4	1529.7	1615.0	1654.2	1659.1	1640.4	1632.7	1832.9	1669.3
52.5°	1463.1	1463.1	1533.6	1618.6	1733.1	1830.1	1863.2	1832.5	1807.8	1988.7	1838.5
55°	1594.6	1600.2	1656.3	1725.0	1870.2	2015.1	2127.2	2093.4	2023.6	2158.2	2015.8
57.5°	1653.1	1660.2	1749.0	1855.8	2049.6	2225.5	2381.0	2369.0	2267.1	2334.4	2199.8
60°	1547.4	1562.2	1684.5	1863.5	2212.1	2565.0	2674.6	2639.7	2494.1	2519.5	2399.3
62.5°	1290.8	1307.0	1442.7	1692.6	2189.6	2931.9	3137.4	3008.7	2777.5	2753.2	2665.1
65°	770.2	769.5	932.7	1264.0	1911.5	3033.8	3869.8	3629.8	3215.3	3073.9	2938.6
67.5°	489.6	488.5	522.7	669.7	1272.1	2784.2	4340.7	4403.1	3809.9	3309.8	2961.2
70°	386.3	386.0	410.6	477.6	629.2	1981.3	4209.6	4641.4	4169.1	3219.9	2607.3
72.5°	281.6	282.3	320.4	400.1	485.4	994.7	3408.8	3971.3	3834.6	2842.4	2116.6
75°	202.3	203.4	226.3	306.3	447.6	543.9	2266.8	2986.2	2917.4	2278.4	1456.1
77.5°	128.7	130.1	150.2	214.7	361.6	439.2	1374.3	2108.2	1941.1	1283.7	517.8
80°	78.6	83.2	100.1	160.0	289.0	329.6	687.0	1110.7	972.1	352.1	174.1
82.5°	40.5	44.1	60.3	99.0	199.1	289.4	388.8	466.7	301.0	147.3	92.7
85°	12.7	14.8	21.1	40.2	94.8	179.4	257.3	231.9	138.2	69.4	43.0
87.5°	3.2	3.2	3.5	3.5	3.9	8.1	49.7	52.5	36.7	21.9	17.6
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°	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1
2.5°	1323.9	1315.4	1311.9	1311.6	1302.8	1290.1	1281.6	1275.6	1272.1	1271.4	1271.4
5°	1300.3	1289.4	1274.9	1264.0	1240.4	1216.4	1196.3	1185.0	1172.0	1170.2	1169.9
7.5°	1268.9	1253.1	1225.6	1194.9	1153.7	1113.8	1080.0	1057.1	1034.2	1029.9	1028.5
10°	1235.1	1213.6	1166.7	1112.8	1051.1	991.5	939.7	899.2	872.4	853.3	849.8
12.5°	1201.6	1173.0	1104.3	1023.9	939.3	857.9	780.0	713.8	665.8	638.0	633.0
15°	1170.2	1130.4	1036.3	933.7	823.7	712.4	602.0	516.0	448.7	424.7	419.1
17.5°	1141.7	1092.0	970.4	840.3	703.2	557.6	432.1	355.6	316.2	304.2	301.4
20°	1113.1	1052.5	903.4	742.0	575.2	412.0	315.8	279.9	265.1	260.5	259.1
22.5°	1082.5	1009.1	830.4	645.0	445.9	308.4	258.4	242.5	237.9	238.3	237.9
25°	1051.8	965.1	753.9	539.6	332.0	250.3	225.6	219.6	220.7	223.8	224.5
27.5°	1026.4	926.0	678.9	424.0	259.4	215.4	203.7	203.4	207.3	211.5	212.2
30°	1008.1	891.1	604.8	326.0	213.6	191.4	186.8	188.9	193.5	196.7	197.7
32.5°	995.0	861.1	525.9	256.3	187.2	174.5	172.4	174.5	177.3	180.5	181.2
35°	990.5	839.2	448.3	209.0	169.2	162.1	160.7	161.8	163.2	165.0	165.7
37.5°	1000.7	828.3	367.3	181.9	158.3	154.0	151.9	151.2	151.6	152.3	152.6
40°	1031.0	833.3	301.0	166.0	151.2	147.3	143.8	142.4	142.0	142.8	142.4
42.5°	1083.2	854.0	253.1	156.9	145.6	139.9	136.1	134.6	134.6	136.4	136.4
45°	1159.6	894.9	218.5	150.2	140.6	133.6	129.4	128.7	130.1	132.9	133.2
47.5°	1271.7	954.9	197.7	145.2	136.1	127.9	123.7	123.4	126.2	130.8	131.1
50°	1404.6	1041.2	186.5	141.7	132.9	123.4	119.1	119.5	122.7	127.6	128.7
52.5°	1564.6	1158.9	187.2	140.3	131.1	120.5	116.3	115.6	118.8	123.7	124.8
55°	1730.0	1302.0	200.9	140.6	128.7	119.1	113.5	111.0	113.8	117.4	117.7
57.5°	1911.8	1463.5	235.1	139.9	125.5	117.7	111.0	105.4	107.2	109.3	110.3
60°	2117.0	1653.5	308.8	141.3	124.1	114.6	106.1	98.7	98.3	99.8	100.1
62.5°	2391.2	1911.8	391.6	143.8	127.2	110.7	98.7	90.9	89.5	90.2	90.6
65°	2600.9	2035.2	365.5	141.7	133.9	107.9	91.6	83.5	80.7	80.0	80.0
67.5°	2515.6	1872.0	254.5	136.1	137.1	108.2	86.0	75.8	72.3	70.5	70.1
70°	2140.6	1520.6	176.9	130.4	133.6	107.5	80.0	69.4	64.9	62.4	62.0
72.5°	1691.2	1161.1	143.1	119.1	121.3	96.9	71.2	62.4	58.5	55.3	55.3
75°	1088.4	708.5	119.5	106.1	99.0	75.4	61.7	55.7	51.8	48.6	48.6
77.5°	366.2	262.9	92.7	89.9	74.0	56.7	51.8	47.9	44.8	41.9	41.6
80°	148.7	124.8	68.0	68.0	51.8	43.4	40.5	38.8	36.7	33.1	33.1
82.5°	86.4	75.8	47.6	41.2	34.5	30.0	28.2	26.4	26.4	24.0	24.0
85°	41.6	41.9	28.6	25.4	19.7	17.3	16.6	15.5	15.2	13.7	13.4
87.5°	22.6	22.9	14.5	11.3	7.8	6.7	5.6	5.3	4.9	4.6	4.6
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)