

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: P630797

Luminaire Tested: GWS-SA1E-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-735-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

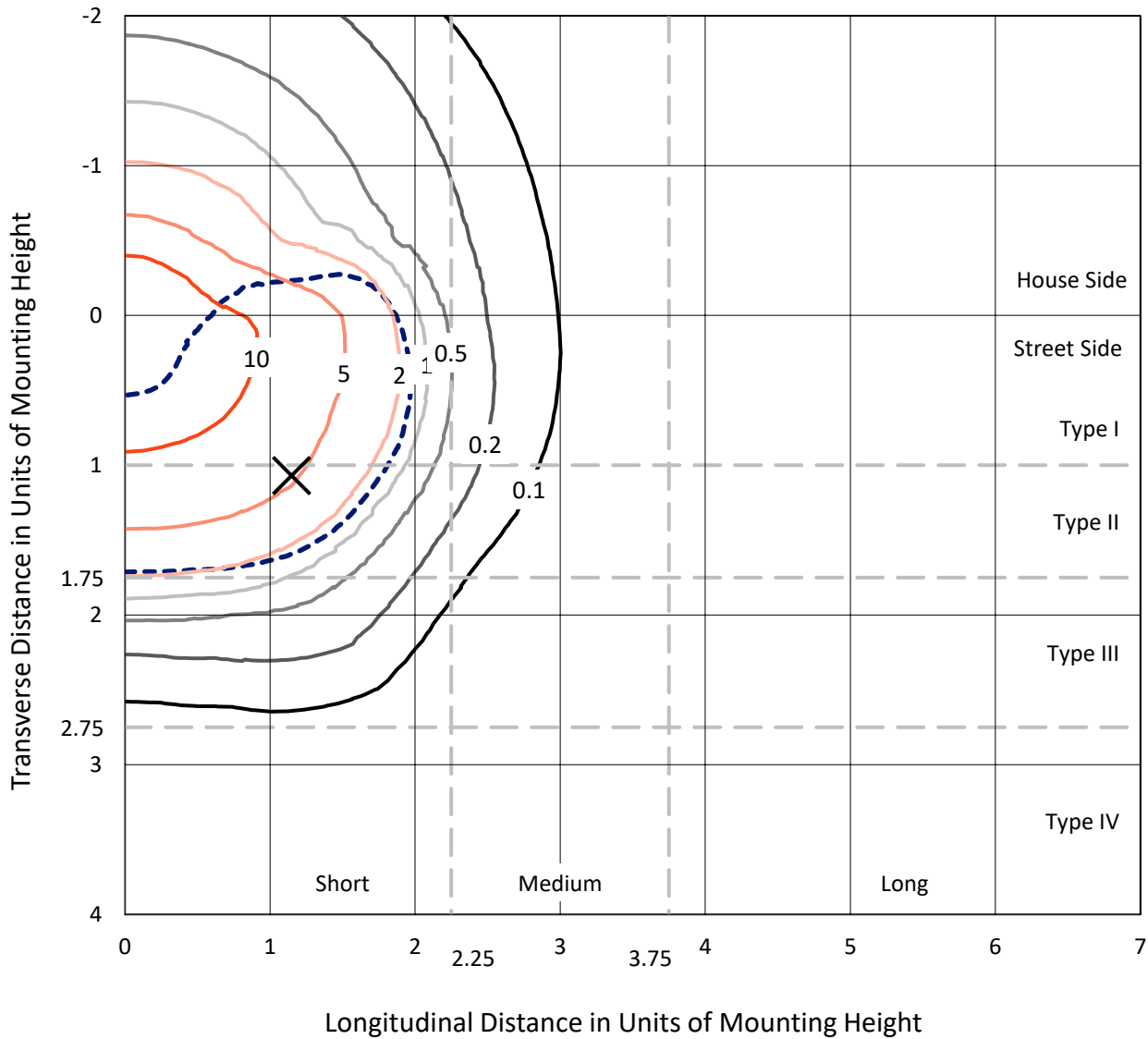
Lumens per Lamp: N/A  
Luminaire Lumens: 6378.9 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

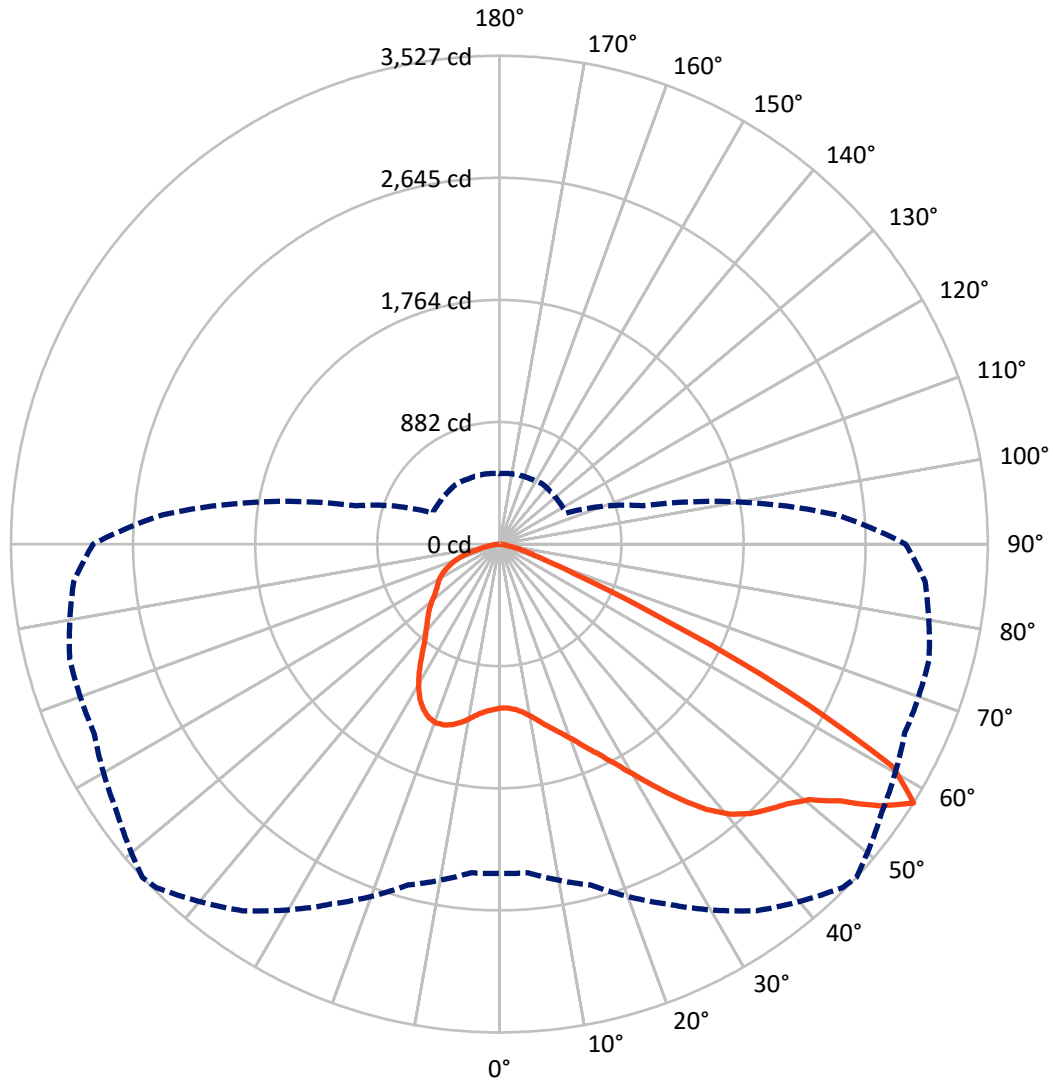
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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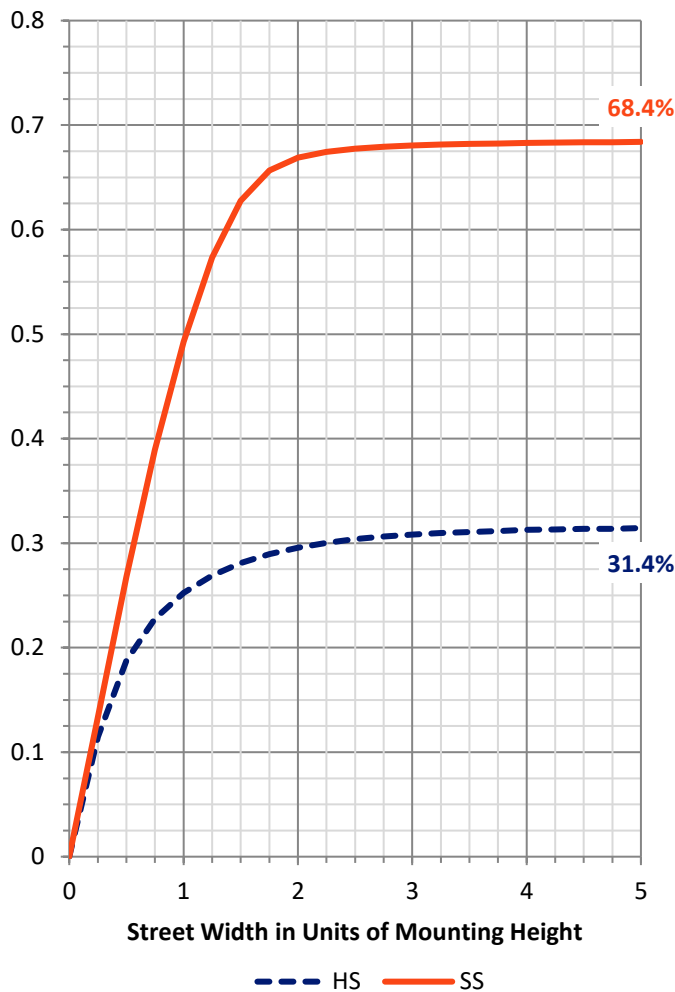
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2018.9	0.0	2018.9
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	4360.0	0.0	4360.0
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	6378.9	0.0	6378.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.7	1.8
10°-20°	383.8	6.0
20°-30°	691.0	10.8
30°-40°	1043.7	16.4
40°-50°	1405.4	22.0
50°-60°	1688.8	26.5
60°-70°	822.5	12.9
70°-80°	202.6	3.2
80°-90°	24.4	0.4
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°	6378.9	100.0
0°-180°	6378.9	100.0

**Coefficient of Utilization**



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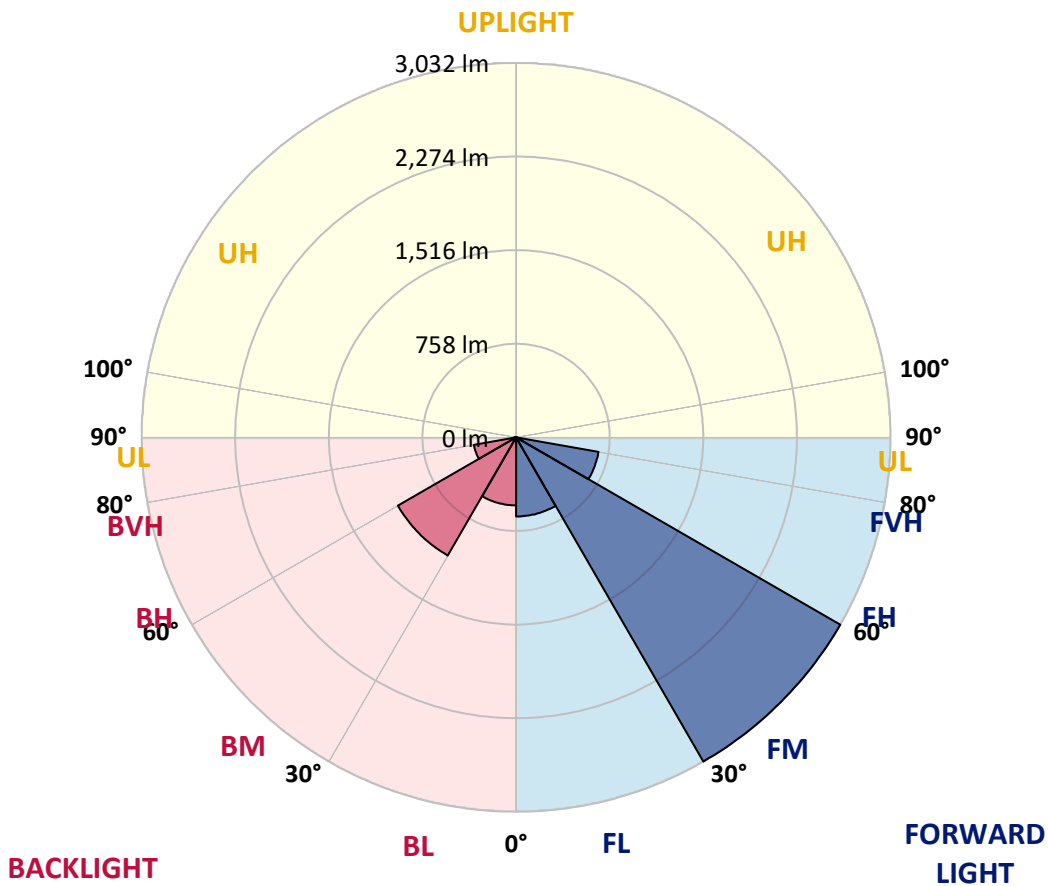
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	640.7	10.0			
FM (30°-60°)	3032.2	47.5			
FH (60°-80°)	677.9	10.6			G1/1800
FVH (80°-90°)	9.2	0.1			G0/10
BL (0°-30°)	550.7	8.6	B2/1000		
BM (30°-60°)	1105.7	17.3	B2/2500		
BH (60°-80°)	347.2	5.4	B1/500		G1/500
BVH (80°-90°)	15.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0
2.5°	1180.8	1180.3	1180.3	1183.5	1183.5	1184.6	1186.2	1187.8	1188.3	1185.7	1179.8
5°	1193.7	1193.7	1193.7	1196.4	1196.4	1197.4	1199.6	1200.1	1199.6	1195.3	1189.4
7.5°	1214.1	1214.1	1214.6	1217.8	1220.5	1222.1	1225.8	1225.3	1223.7	1216.7	1209.2
10°	1247.3	1248.9	1250.5	1254.2	1259.6	1263.3	1266.0	1266.0	1263.9	1253.2	1243.5
12.5°	1294.4	1296.6	1298.2	1301.4	1305.7	1312.1	1318.0	1318.0	1315.3	1301.9	1287.5
15°	1349.6	1351.7	1351.2	1352.3	1360.3	1369.4	1374.2	1377.5	1378.5	1359.8	1337.3
17.5°	1412.8	1415.0	1412.8	1409.6	1410.7	1425.1	1433.7	1445.5	1452.5	1427.3	1391.4
20°	1470.1	1468.0	1468.0	1470.1	1473.4	1491.0	1503.9	1523.2	1531.8	1501.2	1445.5
22.5°	1530.7	1535.5	1533.4	1533.4	1546.2	1575.7	1591.2	1616.4	1625.5	1585.9	1510.9
25°	1608.9	1613.2	1612.1	1613.2	1628.2	1670.0	1685.5	1732.1	1741.2	1684.5	1583.2
27.5°	1694.6	1701.6	1704.8	1703.7	1727.9	1782.5	1801.8	1866.6	1883.2	1794.8	1660.3
30°	1806.1	1813.6	1816.3	1815.2	1843.6	1918.1	1940.0	2014.0	2037.5	1925.6	1758.4
32.5°	1935.2	1942.7	1950.7	1953.9	1990.4	2066.5	2098.1	2174.7	2208.4	2076.6	1876.8
35°	2063.2	2069.7	2085.2	2110.4	2160.2	2237.9	2265.8	2341.3	2374.0	2233.6	2019.8
37.5°	2204.7	2209.0	2222.4	2257.2	2329.0	2402.9	2430.8	2503.1	2506.9	2385.2	2181.6
40°	2359.5	2359.5	2356.8	2391.1	2466.1	2540.6	2564.7	2606.5	2584.5	2502.0	2339.2
42.5°	2490.8	2488.6	2490.8	2522.9	2578.7	2639.2	2660.1	2652.1	2624.2	2591.5	2481.7
45°	2609.2	2610.8	2630.1	2654.7	2683.7	2719.6	2731.9	2686.3	2661.2	2663.3	2595.8
47.5°	2689.6	2691.2	2736.2	2777.4	2795.1	2806.4	2801.0	2737.8	2724.9	2749.0	2683.7
50°	2700.3	2708.8	2786.5	2871.2	2915.1	2916.7	2901.7	2824.6	2820.8	2848.1	2730.8
52.5°	2702.4	2711.0	2808.0	2960.7	3074.8	3098.9	3081.7	3001.4	2962.3	2934.9	2788.7
55°	2694.4	2704.0	2811.2	3020.7	3239.3	3335.7	3337.3	3223.7	3098.9	3080.7	2953.7
57.5°	2378.8	2382.6	2548.6	2868.0	3232.8	3506.1	3527.0	3372.7	3230.1	3213.0	3086.0
60°	1657.1	1672.1	1852.7	2274.3	2715.8	3197.5	3265.0	3220.0	3124.6	2999.8	2647.8
62.5°	829.9	842.8	1023.9	1422.5	1873.0	2253.4	2325.8	2373.5	2396.0	2262.0	1802.9
65°	357.4	367.0	479.5	743.1	1060.3	1244.1	1269.2	1326.6	1466.9	1308.9	971.3
67.5°	239.0	245.4	302.7	453.3	624.7	636.5	632.7	645.1	675.6	557.7	438.8
70°	183.2	188.6	227.2	332.2	449.0	384.1	363.8	330.0	358.4	365.4	355.8
72.5°	132.9	137.2	166.1	226.6	281.3	245.4	242.2	259.3	297.9	308.6	302.7
75°	85.7	87.9	105.5	124.3	145.2	157.5	163.9	195.0	234.1	242.2	235.2
77.5°	57.3	58.9	69.1	79.8	82.5	83.0	85.2	99.1	125.9	140.9	139.3
80°	30.0	30.0	33.8	33.8	38.6	46.1	48.2	57.3	69.6	77.2	77.7
82.5°	11.8	12.3	14.5	16.1	19.3	23.6	25.2	30.0	36.4	41.8	46.6
85°	4.8	5.4	5.9	7.0	8.6	10.7	11.3	12.9	17.1	21.4	24.1
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	1.6	2.1	2.7	4.8	6.4
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°	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0	1183.0
2.5°	1186.7	1179.8	1186.7	1188.9	1194.8	1196.9	1193.2	1192.6	1192.6	1187.3	1185.7
5°	1194.8	1188.3	1195.3	1198.5	1207.1	1212.4	1213.5	1217.8	1220.5	1218.3	1217.8
7.5°	1214.6	1206.6	1214.1	1218.9	1230.1	1238.7	1242.4	1252.1	1259.1	1258.0	1257.4
10°	1249.4	1238.7	1247.3	1255.3	1267.6	1277.8	1278.3	1283.7	1290.7	1288.5	1287.5
12.5°	1289.6	1279.4	1289.1	1297.1	1311.6	1315.8	1308.9	1306.7	1307.8	1305.1	1303.0
15°	1338.9	1324.4	1333.0	1342.1	1350.1	1345.3	1330.3	1324.4	1323.9	1320.1	1318.0
17.5°	1388.2	1370.0	1376.4	1381.2	1377.5	1362.5	1343.7	1333.5	1328.7	1321.2	1319.1
20°	1436.9	1413.9	1412.8	1409.1	1391.9	1364.6	1339.4	1319.1	1306.7	1296.6	1292.8
22.5°	1492.7	1460.5	1444.4	1427.3	1389.8	1345.3	1307.3	1278.3	1258.5	1245.7	1241.4
25°	1552.7	1507.1	1473.9	1439.6	1368.4	1304.1	1251.0	1211.4	1187.8	1173.9	1169.0
27.5°	1612.1	1549.4	1499.6	1441.2	1325.5	1244.6	1173.3	1119.8	1096.2	1084.9	1081.2
30°	1692.5	1605.7	1530.2	1420.3	1269.2	1162.1	1073.1	1019.0	1003.5	995.5	992.2
32.5°	1785.2	1677.0	1570.9	1376.4	1197.4	1065.6	971.9	934.4	923.7	908.1	907.6
35°	1907.3	1778.8	1609.4	1311.6	1106.9	962.2	894.2	867.4	848.1	823.5	821.3
37.5°	2049.8	1905.7	1630.3	1229.1	1001.4	877.1	836.3	806.3	775.3	742.6	738.3
40°	2197.2	2054.1	1631.9	1131.5	897.9	820.8	786.5	747.4	708.8	672.4	667.6
42.5°	2352.0	2192.4	1603.6	1019.0	813.3	772.0	737.2	687.9	644.5	619.9	617.2
45°	2490.3	2303.8	1539.3	900.6	750.6	731.3	686.9	633.8	610.8	593.1	589.3
47.5°	2599.0	2377.7	1452.5	794.5	699.7	689.5	631.7	604.3	586.7	570.6	566.8
50°	2652.6	2394.3	1339.4	708.3	652.6	640.2	600.6	579.7	567.9	555.1	551.8
52.5°	2719.0	2413.1	1241.9	636.0	606.5	589.9	574.9	558.3	549.7	541.7	539.0
55°	2871.7	2483.8	1190.5	578.1	562.6	555.1	552.9	539.0	536.3	530.9	526.1
57.5°	2933.9	2438.3	1068.9	530.9	527.7	528.8	534.2	521.3	518.6	512.2	509.0
60°	2359.5	1843.0	723.8	490.2	498.8	505.8	511.1	498.3	494.5	493.4	489.2
62.5°	1511.9	1133.7	505.2	452.2	465.0	473.6	476.8	464.5	461.8	470.4	470.9
65°	787.0	617.7	409.9	411.5	422.2	435.0	441.5	437.2	436.1	445.2	445.8
67.5°	401.8	377.7	357.4	363.3	371.8	388.4	403.4	422.2	428.6	429.7	430.2
70°	342.4	331.6	321.5	325.2	334.3	343.4	357.9	367.0	356.3	353.6	352.5
72.5°	291.5	283.4	278.6	282.9	287.7	286.1	281.8	286.1	287.7	288.2	288.8
75°	226.6	220.7	217.0	217.5	217.5	211.6	203.6	198.8	193.4	189.1	189.1
77.5°	138.8	139.8	143.6	143.1	142.5	140.4	132.3	128.0	115.2	111.4	111.4
80°	79.3	80.9	84.7	85.7	85.7	83.0	75.0	70.2	64.3	61.6	61.1
82.5°	48.2	50.4	52.5	53.6	54.1	50.9	43.9	40.2	37.0	34.3	34.3
85°	25.2	26.3	28.4	28.9	27.3	24.1	20.4	18.8	15.5	15.0	15.0
87.5°	7.0	7.5	8.6	7.0	6.4	4.8	2.7	2.1	1.1	0.5	0.5
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)