

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: P634529

Luminaire Tested: GWS-SA3B-830-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634529  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-830-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

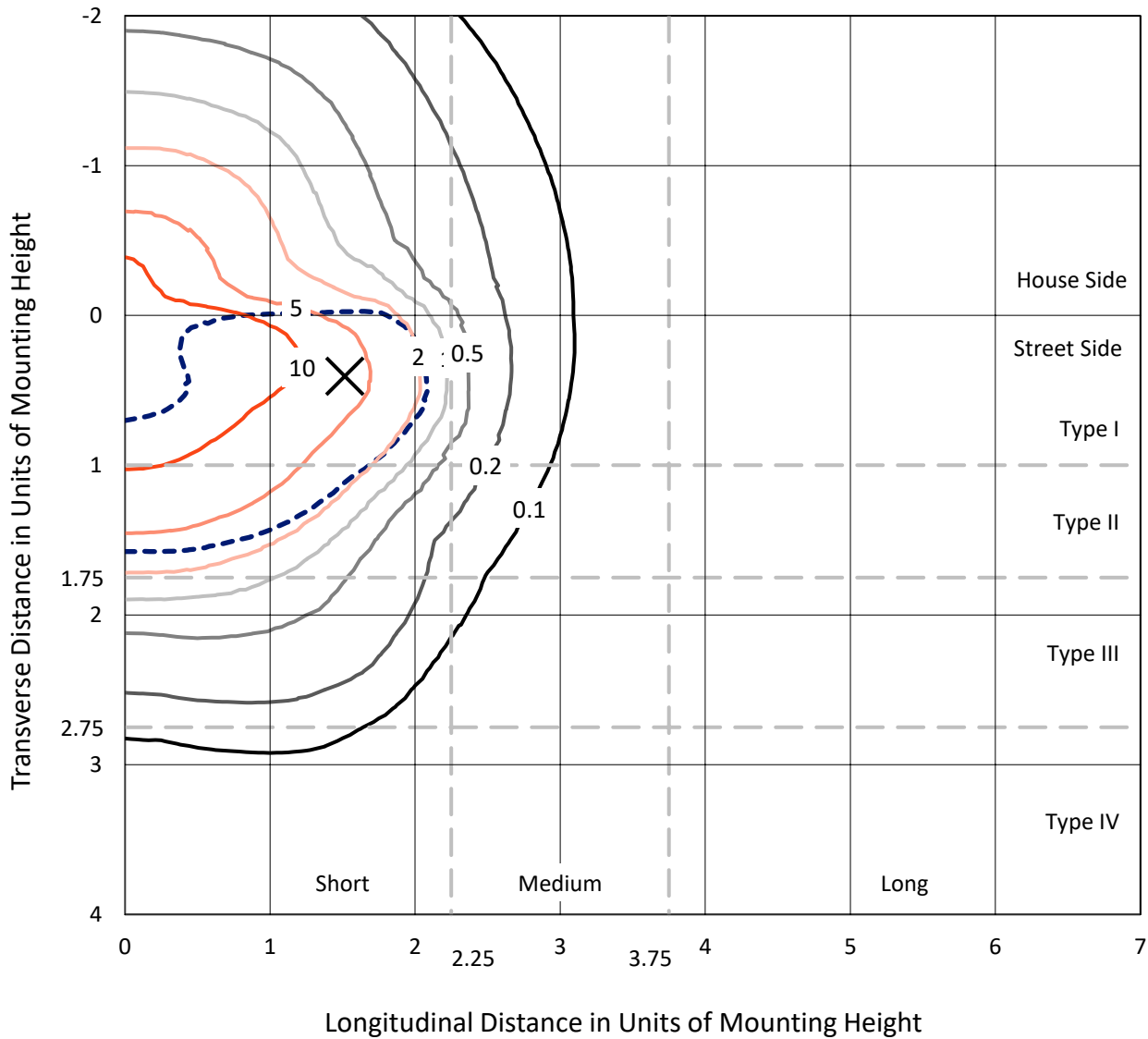
Lumens per Lamp: N/A  
Luminaire Lumens: 6888.9 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

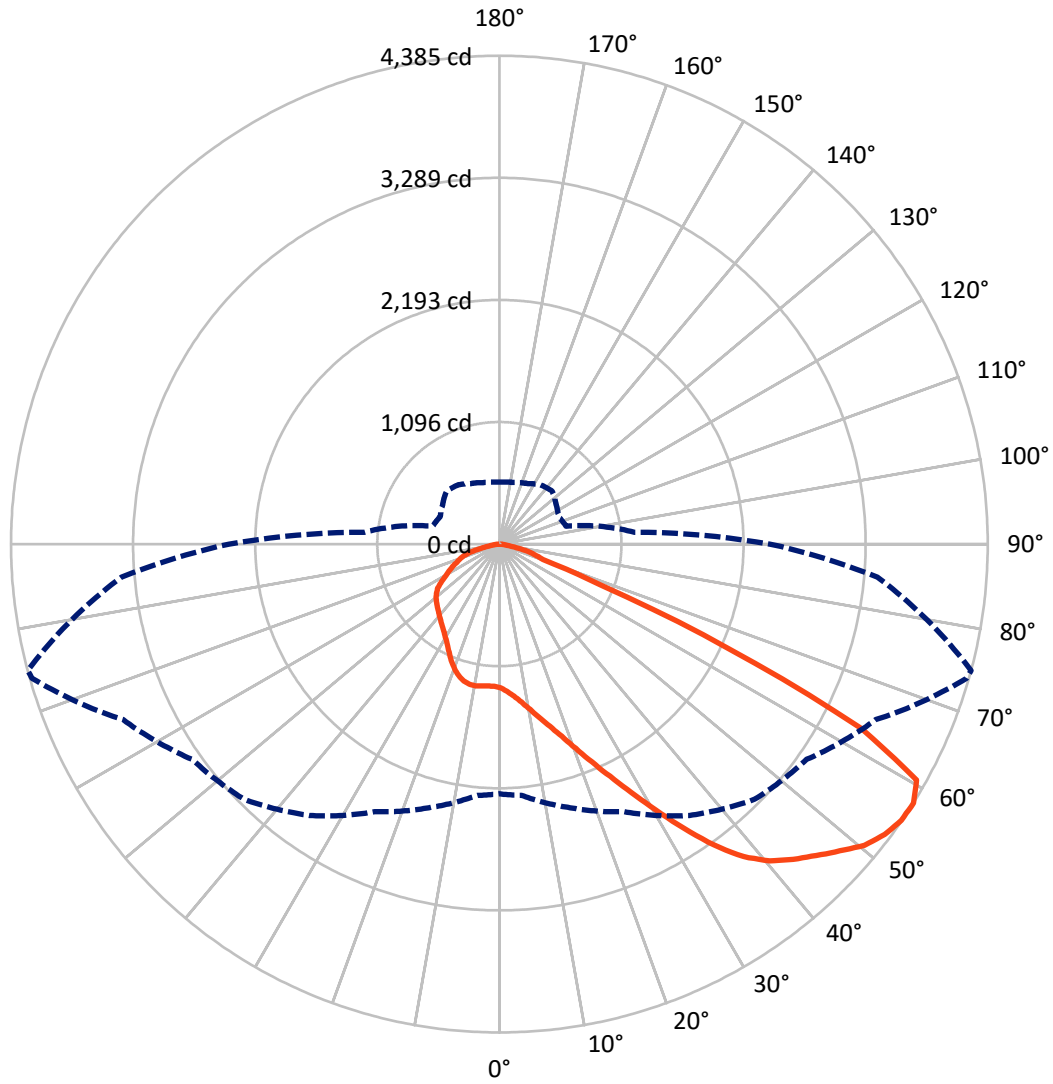
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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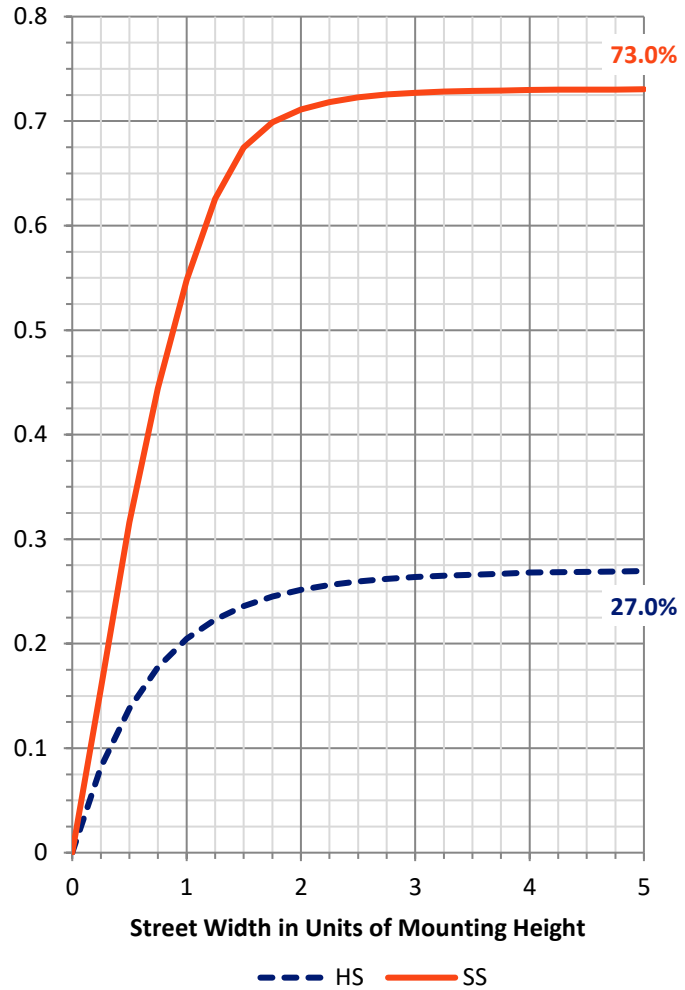
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1863.6	0.0	1863.6
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	5025.3	0.0	5025.3
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	6888.9	0.0	6888.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.1	1.9
10°-20°	411.0	6.0
20°-30°	729.0	10.6
30°-40°	1115.9	16.2
40°-50°	1553.8	22.6
50°-60°	1780.4	25.8
60°-70°	914.8	13.3
70°-80°	230.3	3.3
80°-90°	24.6	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°	6888.9	100.0
0°-180°	6888.9	100.0

**Coefficient of Utilization**



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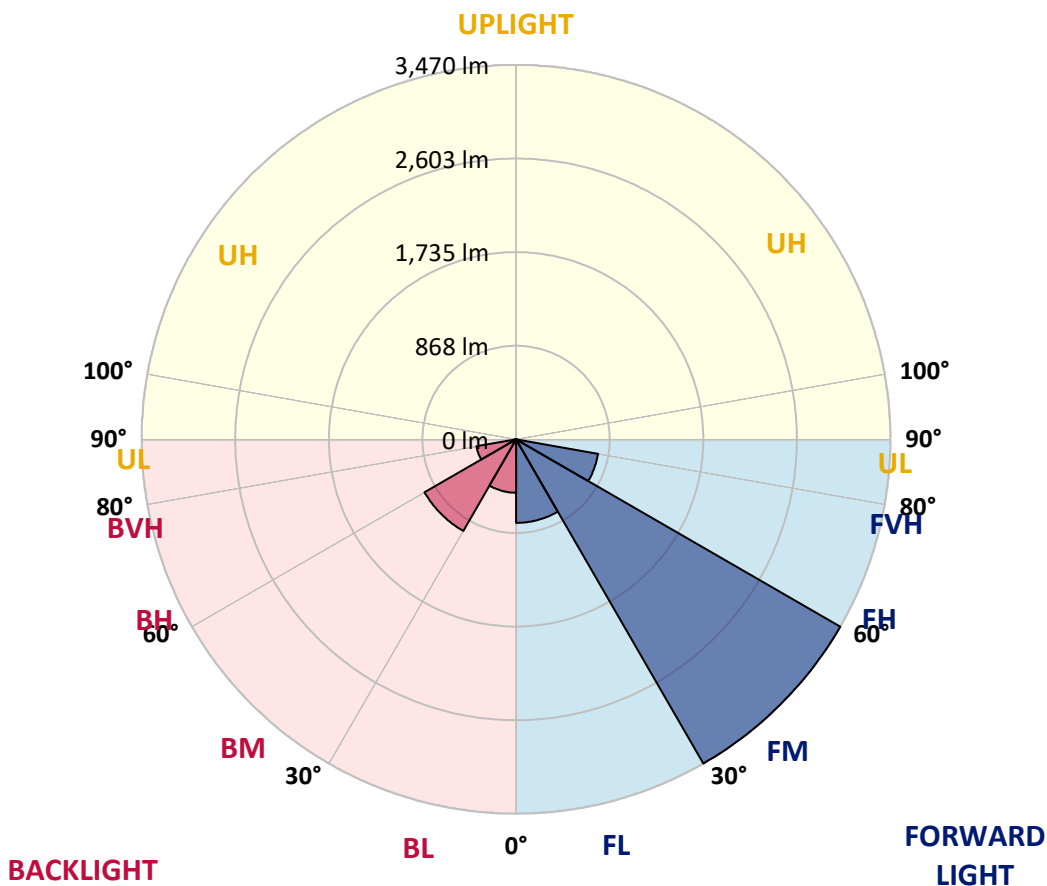
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.0	11.2			
FM (30°-60°)	3470.0	50.4			
FH (60°-80°)	772.2	11.2			G1/1800
FVH (80°-90°)	9.1	0.1			G0/10
BL (0°-30°)	495.1	7.2	B1/500		
BM (30°-60°)	980.1	14.2	B1/1000		
BH (60°-80°)	372.9	5.4	B1/500		G1/500
BVH (80°-90°)	15.5	0.2			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1
2.5°	1386.1	1389.6	1386.1	1392.0	1380.2	1374.8	1361.8	1342.3	1326.9	1324.5	1307.3
5°	1493.9	1501.6	1496.9	1494.5	1478.5	1466.6	1447.1	1408.0	1376.0	1371.3	1337.5
7.5°	1563.2	1568.5	1568.5	1570.3	1564.4	1550.8	1530.0	1483.8	1438.8	1431.7	1380.8
10°	1586.3	1590.4	1598.1	1613.0	1624.8	1628.9	1615.3	1570.9	1515.8	1508.7	1437.6
12.5°	1591.6	1596.4	1608.2	1635.5	1668.0	1697.7	1700.0	1667.4	1605.8	1598.1	1503.4
15°	1601.7	1606.4	1622.4	1656.2	1704.2	1761.0	1796.0	1773.5	1705.4	1697.1	1578.0
17.5°	1600.5	1605.8	1629.5	1674.6	1739.1	1821.5	1889.0	1898.5	1828.0	1813.8	1662.7
20°	1597.6	1602.3	1627.8	1682.8	1762.8	1876.0	1998.0	2047.1	1971.3	1958.3	1761.6
22.5°	1621.2	1626.6	1646.1	1691.7	1775.3	1918.0	2098.7	2217.1	2141.3	2123.0	1875.4
25°	1674.6	1682.3	1694.1	1725.5	1797.8	1955.3	2201.7	2409.7	2332.1	2310.1	1999.2
27.5°	1756.9	1766.4	1783.0	1797.8	1848.1	2002.7	2304.2	2625.3	2547.7	2524.6	2130.1
30°	1857.6	1870.0	1891.4	1901.4	1935.8	2072.6	2415.6	2847.4	2802.4	2770.4	2277.6
32.5°	1996.8	2014.0	2034.1	2037.1	2057.8	2178.6	2525.8	3067.8	3067.2	3044.6	2445.2
35°	2178.0	2196.4	2200.6	2204.7	2214.8	2324.4	2659.0	3268.6	3346.2	3320.1	2627.6
37.5°	2375.9	2402.5	2409.1	2390.7	2404.9	2499.7	2808.9	3429.7	3589.0	3561.2	2804.2
40°	2587.4	2598.0	2615.8	2586.8	2604.5	2700.5	2955.8	3532.7	3770.3	3740.7	2943.4
42.5°	2739.0	2758.5	2785.2	2774.5	2784.6	2872.3	3058.9	3582.5	3899.4	3869.8	3043.5
45°	2903.7	2909.6	2926.8	2924.4	2930.3	3012.1	3132.9	3604.4	4014.9	3988.3	3128.8
47.5°	3047.0	3055.9	3067.2	3054.1	3041.1	3094.4	3193.3	3623.4	4148.2	4116.2	3218.2
50°	3185.0	3192.7	3206.4	3168.4	3119.9	3133.5	3222.9	3649.4	4273.2	4250.7	3288.7
52.5°	3210.5	3218.8	3282.8	3290.5	3228.3	3180.3	3275.1	3706.9	4346.6	4332.4	3314.2
55°	2890.0	2904.9	3032.2	3178.5	3331.9	3316.5	3358.6	3737.1	4375.6	4379.2	3359.8
57.5°	2243.2	2264.5	2450.5	2651.3	2974.2	3241.3	3369.3	3729.4	4365.6	4385.1	3406.6
60°	1471.4	1483.8	1704.2	1929.3	2263.9	2633.6	3015.6	3590.8	4276.1	4304.0	3394.7
62.5°	888.5	902.7	1079.8	1250.4	1447.7	1694.7	2045.4	2885.9	3584.3	3646.5	2718.9
65°	620.2	639.1	794.3	934.7	1002.8	951.9	1036.0	1611.8	2233.1	2259.2	1661.5
67.5°	449.6	462.6	590.0	757.0	832.2	672.3	512.4	713.8	972.6	982.1	685.3
70°	294.4	309.2	424.7	576.4	679.4	545.0	383.2	386.2	409.3	414.0	398.1
72.5°	161.7	170.6	262.4	382.7	401.6	325.8	299.1	321.1	337.0	337.0	341.2
75°	83.5	91.2	107.2	126.2	152.2	178.3	215.6	248.2	265.4	266.6	264.8
77.5°	42.6	45.6	57.5	62.2	68.1	79.4	103.1	132.1	147.5	153.4	152.2
80°	20.1	21.3	24.3	28.4	34.9	44.4	55.7	66.3	75.8	77.0	83.5
82.5°	10.7	11.8	13.0	15.4	19.0	23.7	32.6	39.1	45.0	46.2	51.5
85°	4.1	4.7	5.3	5.9	8.3	10.1	13.6	18.4	22.5	22.5	26.7
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	3.0	4.1	4.1	7.1
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°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1
2.5°	1303.2	1286.0	1278.3	1265.8	1255.8	1244.5	1235.6	1229.1	1225.0	1222.6	1220.2
5°	1324.5	1298.4	1277.7	1252.8	1235.6	1219.0	1205.4	1195.9	1191.2	1187.7	1185.3
7.5°	1357.7	1322.7	1283.6	1245.1	1214.9	1188.2	1171.1	1161.0	1154.5	1152.1	1150.3
10°	1403.3	1354.7	1290.1	1229.1	1184.1	1155.1	1143.2	1138.5	1139.1	1137.9	1137.3
12.5°	1454.8	1388.5	1288.3	1200.7	1150.9	1133.7	1134.3	1142.0	1150.9	1153.3	1153.9
15°	1510.5	1421.6	1271.2	1164.0	1124.9	1126.6	1142.0	1160.4	1177.0	1183.5	1184.7
17.5°	1570.9	1449.5	1239.8	1123.7	1103.5	1122.5	1150.9	1181.1	1205.4	1216.1	1219.0
20°	1638.4	1473.2	1195.4	1084.0	1083.4	1114.8	1156.3	1195.9	1226.7	1241.0	1243.3
22.5°	1710.1	1488.0	1140.9	1047.3	1062.7	1104.7	1152.1	1193.6	1226.2	1240.4	1243.3
25°	1782.4	1492.7	1081.0	1013.5	1041.3	1088.7	1132.0	1165.1	1195.9	1208.4	1210.8
27.5°	1849.9	1479.1	1024.2	984.5	1021.8	1065.0	1094.1	1111.8	1133.2	1142.6	1144.4
30°	1918.6	1451.8	976.2	961.4	999.9	1032.5	1045.5	1046.7	1055.0	1055.0	1056.1
32.5°	1987.9	1411.6	934.1	938.9	972.6	994.0	995.7	982.1	972.0	955.5	954.9
35°	2067.9	1370.7	899.8	913.4	940.6	953.7	948.3	922.3	898.0	870.7	869.6
37.5°	2141.9	1328.6	870.7	887.3	904.5	914.0	901.5	870.2	850.0	822.2	818.0
40°	2202.9	1290.7	842.9	860.1	868.4	876.7	856.5	831.1	834.0	818.6	818.0
42.5°	2238.5	1254.0	816.8	829.9	835.2	841.1	823.4	804.4	820.4	808.5	809.1
45°	2264.5	1222.0	793.1	797.9	810.9	819.8	803.2	781.9	785.4	739.8	729.2
47.5°	2294.1	1204.2	770.6	765.9	789.0	804.4	778.9	748.1	726.8	681.8	677.6
50°	2325.5	1197.7	746.9	733.9	761.8	776.6	746.9	708.4	680.6	656.3	653.9
52.5°	2336.2	1197.1	717.3	695.4	723.3	744.0	719.1	680.0	646.8	623.1	622.0
55°	2378.3	1214.3	679.4	642.7	668.8	711.4	693.0	636.8	610.1	599.5	598.3
57.5°	2427.4	1217.3	619.6	585.2	621.4	671.7	648.6	600.0	571.0	558.0	556.8
60°	2407.3	1144.4	555.6	541.4	581.1	634.4	613.1	571.0	537.3	524.8	523.6
62.5°	1834.5	808.0	508.8	503.5	537.8	580.5	576.4	532.5	500.5	491.6	490.5
65°	1103.5	567.5	463.8	463.2	487.5	528.4	533.7	498.2	464.4	452.0	452.0
67.5°	545.5	434.2	412.9	409.9	425.3	454.3	476.8	447.8	419.4	407.5	405.8
70°	385.6	382.7	375.5	367.3	370.2	382.1	391.5	367.3	337.0	325.2	322.8
72.5°	333.5	334.1	329.3	322.8	320.5	312.2	303.9	286.1	267.7	255.3	256.5
75°	258.9	260.0	263.0	260.6	254.1	245.2	236.3	213.8	199.0	187.2	184.8
77.5°	151.0	157.0	166.4	164.1	165.3	152.8	149.3	127.4	113.7	105.4	103.7
80°	85.3	88.9	93.0	96.0	92.4	87.1	79.4	67.5	63.4	57.5	56.3
82.5°	51.5	55.1	56.9	59.2	58.0	50.9	45.0	37.3	33.8	30.8	30.2
85°	26.1	28.4	30.2	31.4	27.8	23.1	20.7	16.6	14.2	12.4	12.4
87.5°	6.5	7.1	8.3	7.1	6.5	3.0	2.4	0.6	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)