

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: P634341

Luminaire Tested: GWS-SA3B-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634341  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

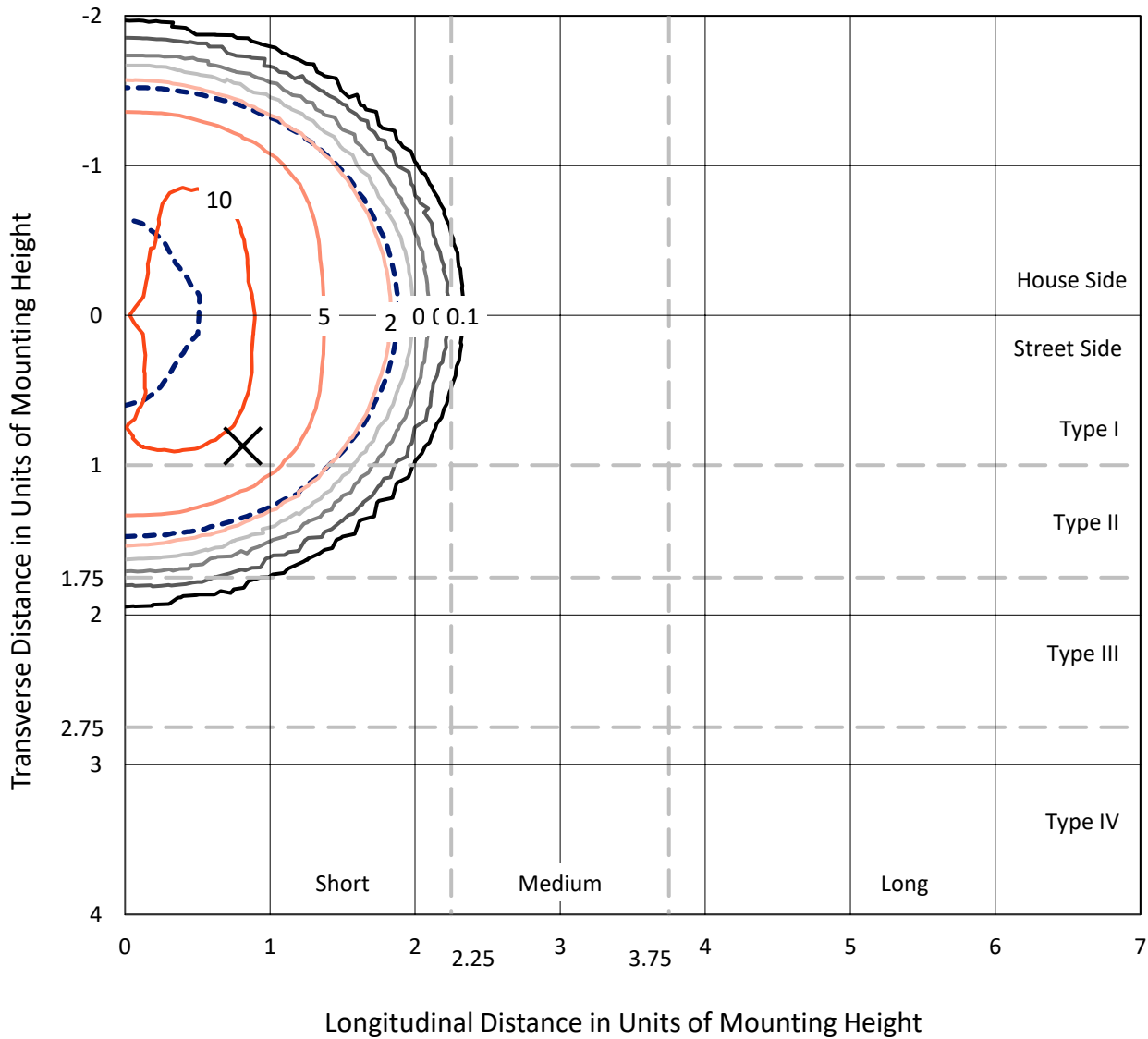
Lumens per Lamp: N/A  
Luminaire Lumens: 6895.9 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

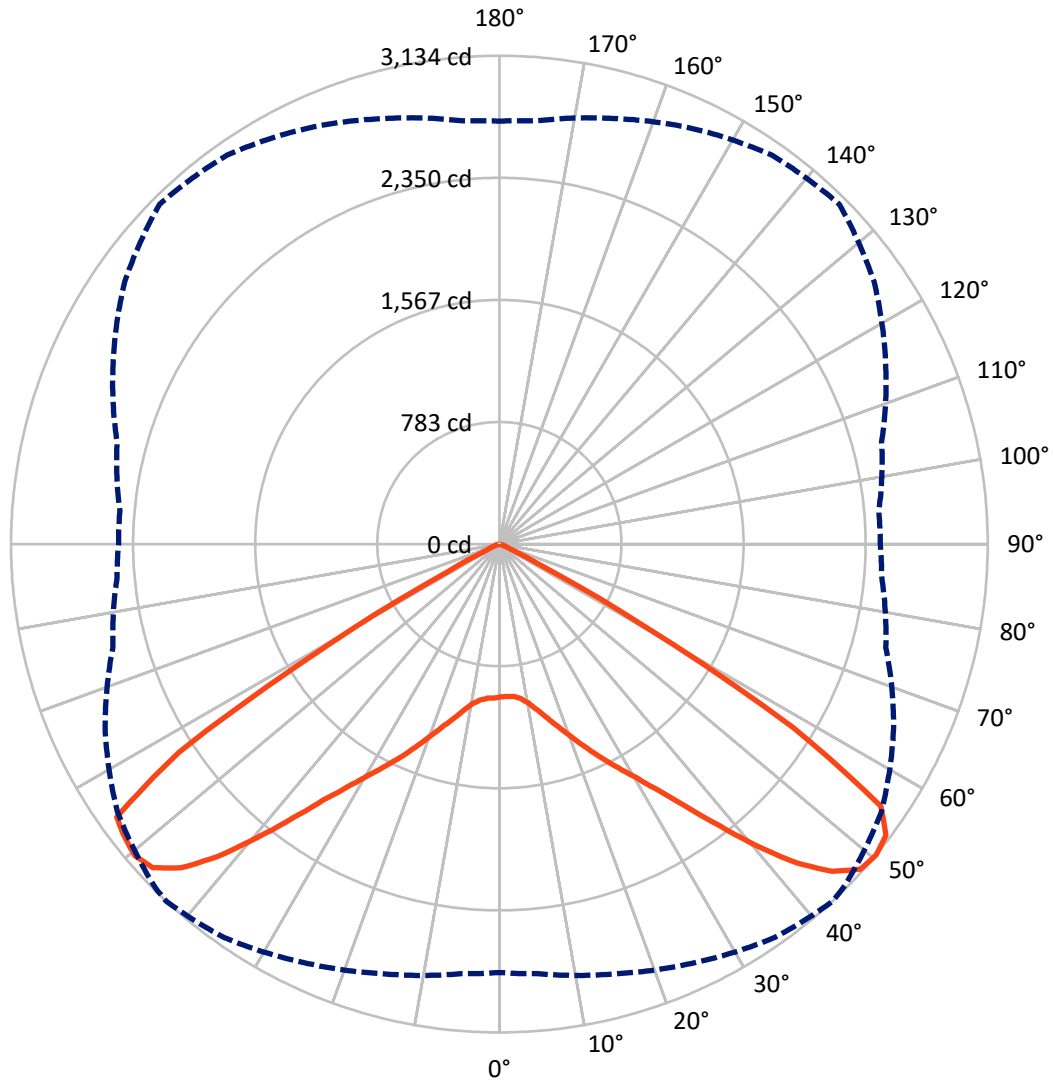
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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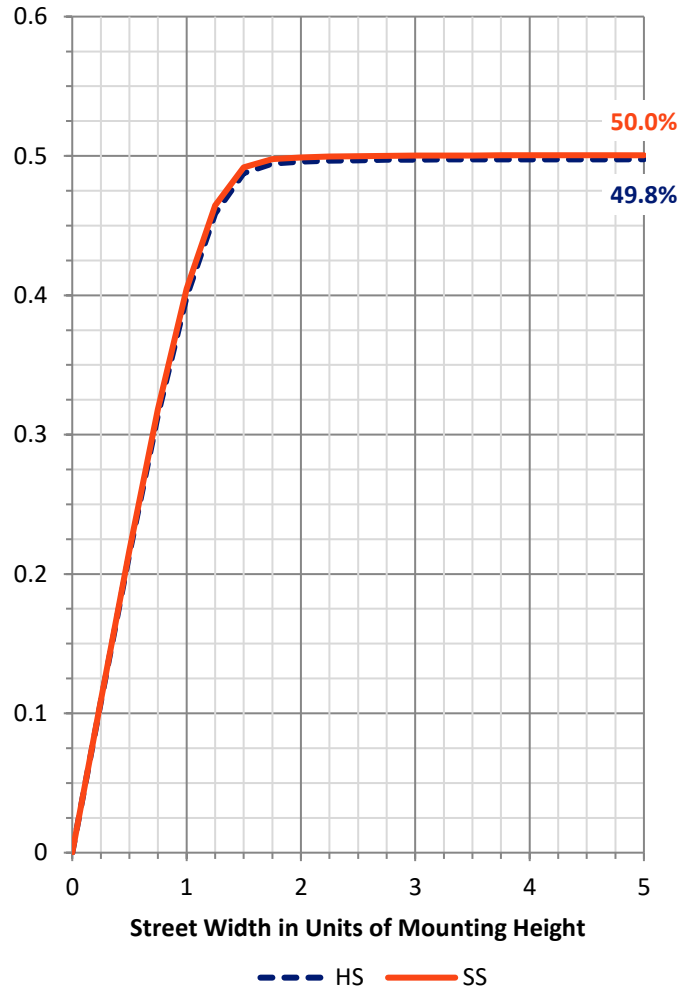
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3447.9	0.0	3447.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3448.0	0.0	3448.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6895.9	0.0	6895.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.6	1.4
10°-20°	332.4	4.8
20°-30°	672.5	9.8
30°-40°	1247.7	18.1
40°-50°	2071.1	30.0
50°-60°	2113.6	30.7
60°-70°	346.6	5.0
70°-80°	15.2	0.2
80°-90°	0.2	0.0
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°	6895.9	100.0
0°-180°	6895.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634341

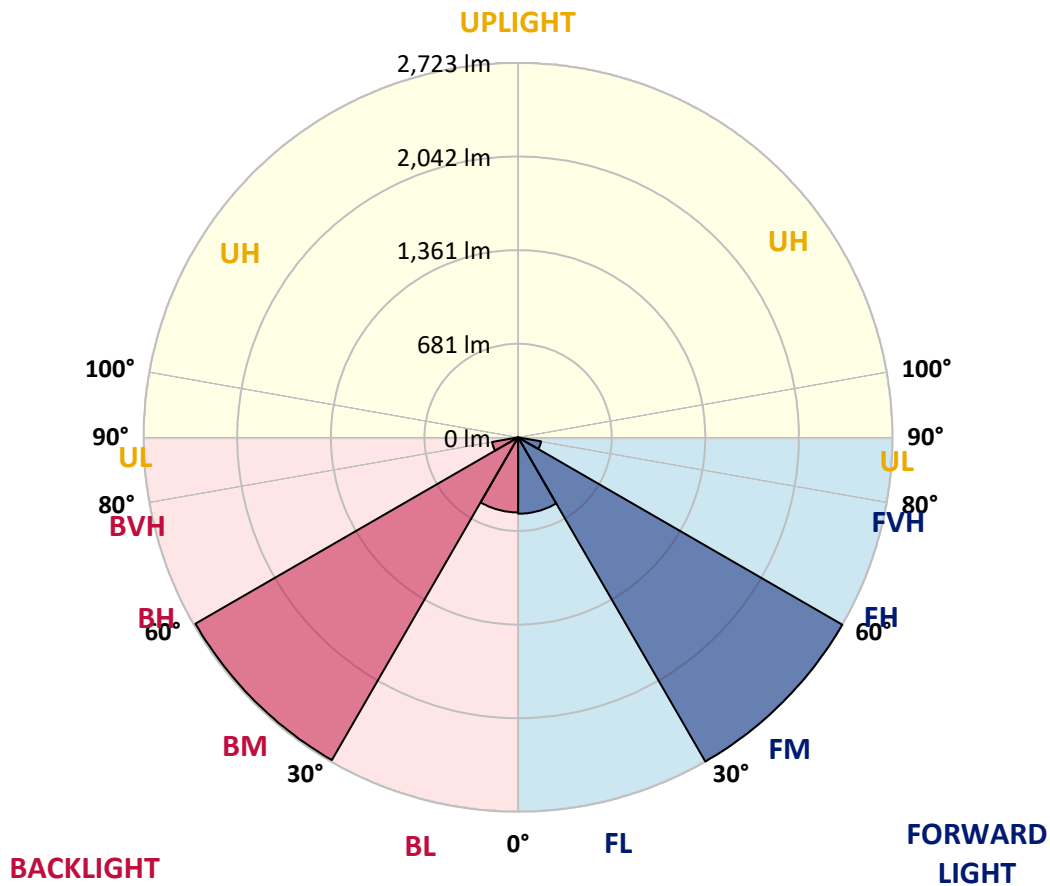
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.6	8.1			
FM (30°-60°)	2722.8	39.5			
FH (60°-80°)	169.6	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	545.9	7.9	B2/1000		
BM (30°-60°)	2709.6	39.3	B3/5000		
BH (60°-80°)	192.2	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8
2.5°	962.5	964.8	967.9	970.9	974.7	978.5	980.8	987.7	986.2	992.3	992.3
5°	951.9	954.1	958.0	964.8	973.2	981.6	987.7	1001.4	1009.1	1021.3	1025.8
7.5°	957.2	960.2	964.8	975.5	988.5	1001.4	1008.3	1030.4	1045.7	1068.5	1081.5
10°	974.7	977.8	985.4	1003.7	1020.5	1038.8	1047.2	1075.4	1099.8	1131.1	1149.4
12.5°	994.6	998.4	1013.6	1041.1	1070.1	1094.5	1105.9	1137.2	1162.4	1197.4	1226.4
15°	1015.2	1021.3	1044.9	1085.3	1126.5	1159.3	1171.5	1205.1	1230.2	1267.6	1300.4
17.5°	1063.2	1070.1	1096.8	1140.2	1196.7	1234.8	1245.5	1280.6	1299.6	1324.8	1359.1
20°	1123.5	1136.4	1169.2	1221.8	1283.6	1320.2	1327.9	1362.2	1360.7	1371.3	1401.1
22.5°	1198.2	1207.4	1243.2	1305.7	1375.1	1415.6	1433.1	1447.6	1428.5	1419.4	1438.5
25°	1276.0	1286.7	1325.6	1394.2	1472.0	1518.5	1533.0	1544.5	1514.0	1479.6	1481.9
27.5°	1376.7	1384.3	1422.4	1495.7	1573.5	1626.1	1639.0	1658.9	1618.5	1563.5	1548.3
30°	1496.4	1504.0	1544.5	1621.5	1698.5	1743.5	1763.4	1787.8	1743.5	1674.9	1657.3
32.5°	1636.8	1644.4	1696.2	1775.6	1838.9	1887.7	1906.8	1932.7	1897.6	1820.6	1800.7
35°	1804.5	1809.1	1870.1	1956.3	2023.4	2070.7	2083.7	2114.2	2075.3	1998.3	1987.6
37.5°	1999.0	2004.4	2070.7	2170.6	2239.3	2291.9	2312.5	2320.9	2273.6	2187.4	2179.0
40°	2212.6	2230.1	2295.0	2402.5	2479.5	2545.9	2564.2	2536.0	2469.6	2352.2	2336.9
42.5°	2435.3	2450.6	2523.0	2639.7	2728.9	2796.8	2797.6	2736.6	2623.7	2461.2	2438.4
45°	2620.6	2626.7	2720.6	2838.0	2947.8	2995.9	3000.5	2889.9	2719.8	2524.5	2475.7
47.5°	2748.0	2757.9	2839.5	2952.4	3073.7	3117.2	3108.0	2970.0	2765.6	2565.7	2484.9
50°	2749.5	2766.3	2854.8	2963.9	3081.3	3133.9	3121.0	2992.8	2791.5	2567.2	2462.8
52.5°	2506.2	2533.7	2677.8	2835.7	3015.7	3105.7	3108.8	3022.6	2781.6	2542.8	2442.9
55°	1890.7	1920.5	2102.0	2371.2	2719.0	2970.0	3013.4	2987.5	2770.1	2553.5	2478.0
57.5°	1000.7	977.8	1078.5	1345.4	1782.4	2226.3	2353.7	2561.1	2642.8	2566.5	2542.8
60°	218.1	232.6	309.7	417.2	695.6	1047.2	1171.5	1526.9	1949.5	2137.1	2272.8
62.5°	93.8	92.3	96.1	109.1	159.4	265.4	324.1	529.3	835.2	1147.1	1358.4
65°	77.0	77.8	80.8	80.8	75.5	76.3	80.1	121.3	195.3	273.8	367.6
67.5°	58.0	58.7	64.1	65.6	61.8	54.9	54.2	45.8	48.1	60.3	62.5
70°	36.6	36.6	39.7	41.2	41.2	38.1	37.4	32.8	32.0	36.6	41.2
72.5°	19.8	19.8	21.4	22.1	21.4	20.6	20.6	19.8	19.1	22.1	28.2
75°	8.4	8.4	9.2	9.2	8.4	8.4	8.4	8.4	8.4	9.9	15.3
77.5°	1.5	2.3	3.1	2.3	1.5	1.5	1.5	2.3	2.3	3.1	4.6
80°	0.8	0.8	1.5	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P634341  
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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8
2.5°	997.6	989.2	992.3	993.8	991.5	990.0	981.6	979.3	975.5	969.4	967.9
5°	1031.2	1024.3	1023.5	1019.0	1008.3	995.3	979.3	972.4	964.8	957.2	955.7
7.5°	1087.6	1079.2	1073.9	1058.6	1034.2	1013.6	986.9	972.4	962.5	952.6	950.3
10°	1160.1	1150.2	1134.9	1106.7	1073.9	1044.1	1012.9	993.8	978.5	964.8	964.1
12.5°	1237.1	1226.4	1199.0	1163.1	1123.5	1096.0	1056.3	1029.6	1006.8	986.2	983.9
15°	1317.9	1305.0	1267.6	1224.9	1188.3	1160.1	1116.6	1073.9	1038.8	1009.1	1006.0
17.5°	1379.7	1363.7	1319.5	1287.4	1257.7	1228.7	1179.9	1123.5	1076.9	1041.1	1032.7
20°	1418.6	1403.4	1361.4	1343.9	1330.1	1309.6	1251.6	1192.9	1141.0	1096.8	1089.1
22.5°	1456.0	1437.7	1401.1	1401.1	1411.8	1403.4	1340.8	1273.7	1212.7	1161.6	1150.2
25°	1497.9	1483.5	1457.5	1478.9	1505.6	1504.8	1440.7	1356.8	1286.7	1229.5	1218.0
27.5°	1559.0	1544.5	1535.3	1575.7	1609.3	1607.0	1536.8	1446.1	1372.1	1315.7	1305.0
30°	1666.5	1652.8	1642.9	1691.7	1734.4	1718.4	1641.3	1553.6	1478.9	1414.8	1407.2
32.5°	1809.9	1795.4	1782.4	1831.2	1869.4	1848.8	1775.6	1693.2	1607.0	1544.5	1529.2
35°	1998.3	1967.8	1954.8	2012.8	2028.8	2005.9	1935.7	1863.3	1771.8	1700.1	1690.1
37.5°	2192.8	2156.9	2147.8	2198.1	2224.0	2215.6	2133.3	2057.8	1958.6	1879.3	1867.9
40°	2359.0	2326.2	2310.2	2388.8	2447.5	2452.8	2378.9	2286.6	2169.9	2087.5	2066.9
42.5°	2456.7	2428.4	2424.6	2546.7	2642.8	2711.4	2622.9	2527.6	2404.8	2311.7	2295.0
45°	2478.8	2460.5	2492.5	2652.7	2802.2	2927.2	2851.7	2751.1	2618.4	2520.0	2503.9
47.5°	2476.5	2470.4	2527.6	2707.6	2896.7	3050.8	3013.4	2899.8	2771.7	2668.7	2653.4
50°	2443.7	2444.5	2539.8	2735.0	2934.9	3084.4	3047.0	2941.7	2827.3	2725.9	2713.7
52.5°	2430.7	2426.1	2516.9	2726.7	2973.8	3069.1	2985.2	2867.0	2739.6	2614.5	2596.2
55°	2476.5	2465.0	2520.0	2719.8	2978.3	3060.7	2839.5	2583.3	2322.4	2174.5	2162.3
57.5°	2545.1	2532.9	2558.9	2669.5	2739.6	2545.1	2089.8	1676.4	1407.9	1294.3	1244.7
60°	2272.8	2264.5	2244.6	2111.2	1810.7	1366.0	930.5	593.4	426.3	344.7	344.7
62.5°	1410.2	1398.8	1291.3	959.5	697.1	403.5	221.9	138.8	105.3	98.4	97.6
65°	395.8	393.6	325.7	230.3	146.4	90.8	80.1	81.6	80.1	77.8	77.0
67.5°	59.5	65.6	65.6	53.4	51.1	57.2	67.1	71.7	67.9	64.1	62.5
70°	38.1	41.2	39.7	34.3	36.6	42.7	48.1	48.8	46.5	42.7	41.9
72.5°	26.7	29.7	24.4	22.1	22.9	25.2	27.5	27.5	26.7	25.2	23.6
75°	16.0	16.0	11.4	10.7	10.7	11.4	11.4	13.0	13.0	12.2	11.4
77.5°	5.3	6.1	3.8	3.1	3.1	3.1	3.8	4.6	4.6	3.8	3.1
80°	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	0.8
82.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)