

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: P634231

Luminaire Tested: GWS-SA3B-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634231  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

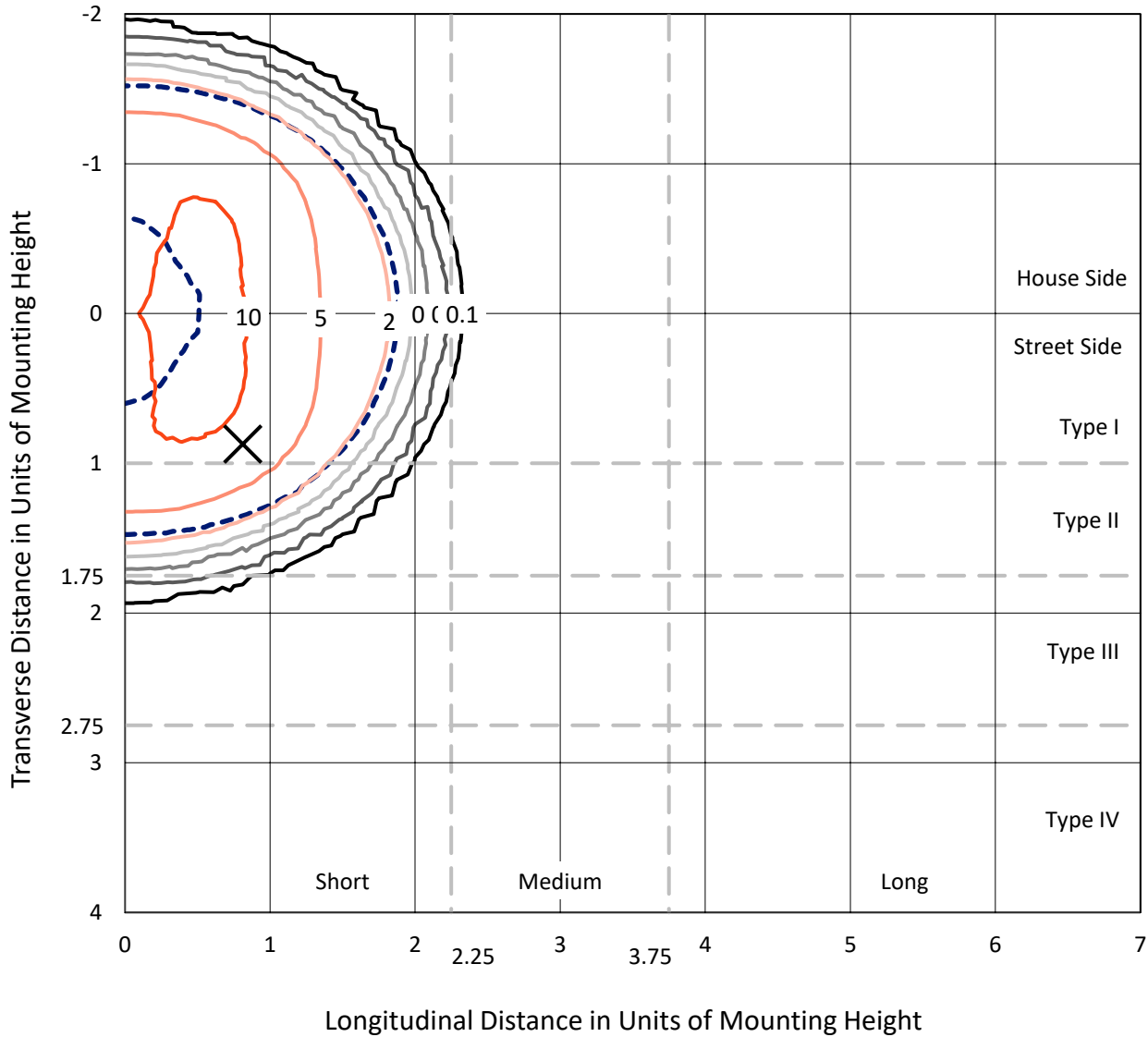
Lumens per Lamp: N/A  
Luminaire Lumens: 6649 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

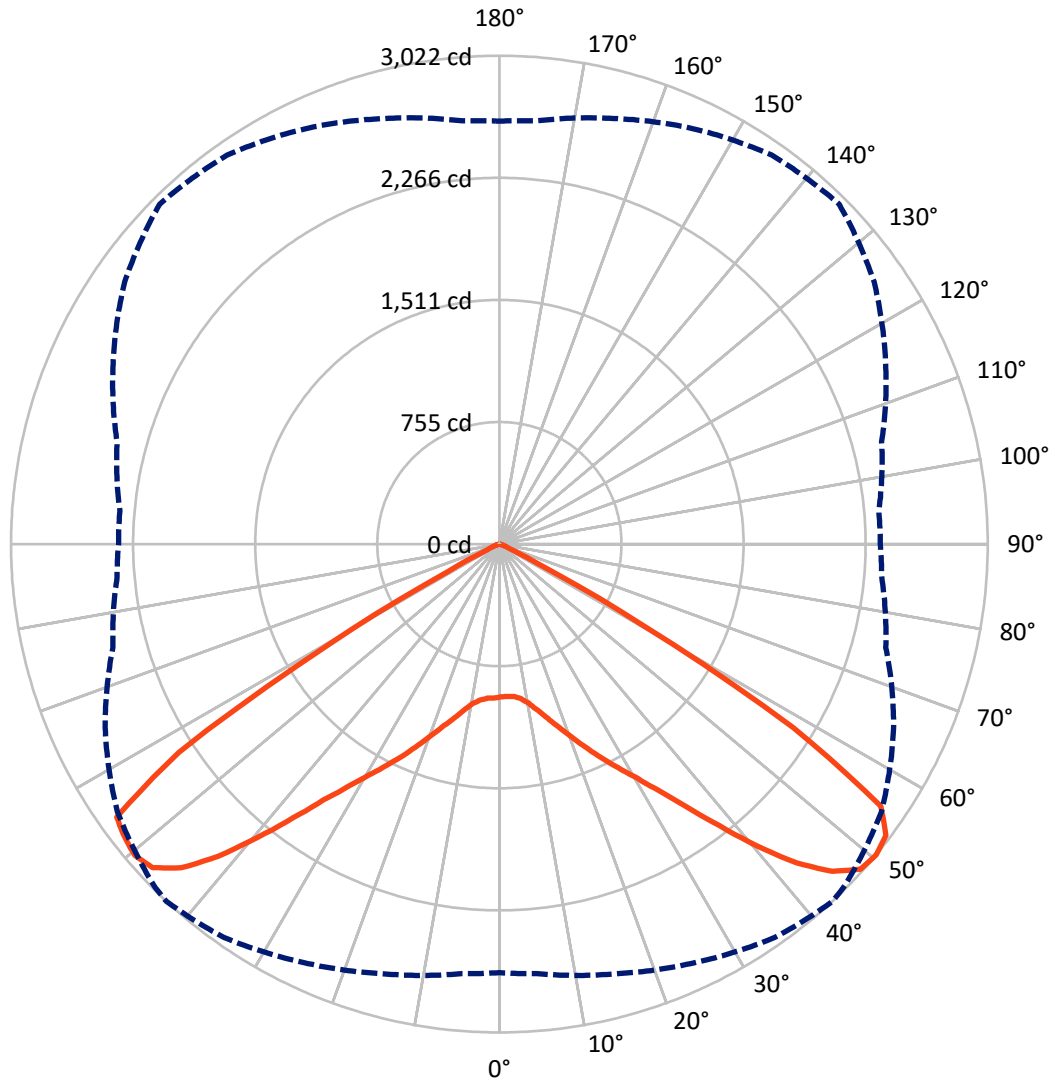
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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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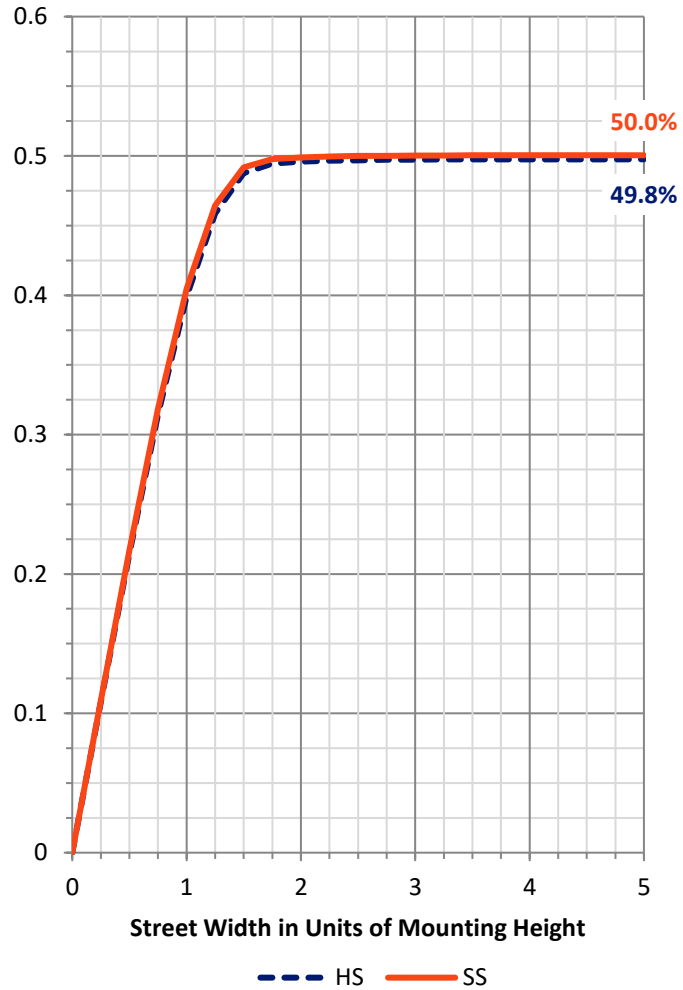
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3324.4	0.0	3324.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3324.6	0.0	3324.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6649.0	0.0	6649.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.1	1.4
10°-20°	320.5	4.8
20°-30°	648.4	9.8
30°-40°	1203.0	18.1
40°-50°	1996.9	30.0
50°-60°	2038.0	30.7
60°-70°	334.2	5.0
70°-80°	14.6	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°	6649.0	100.0
0°-180°	6649.0	100.0

**Coefficient of Utilization**



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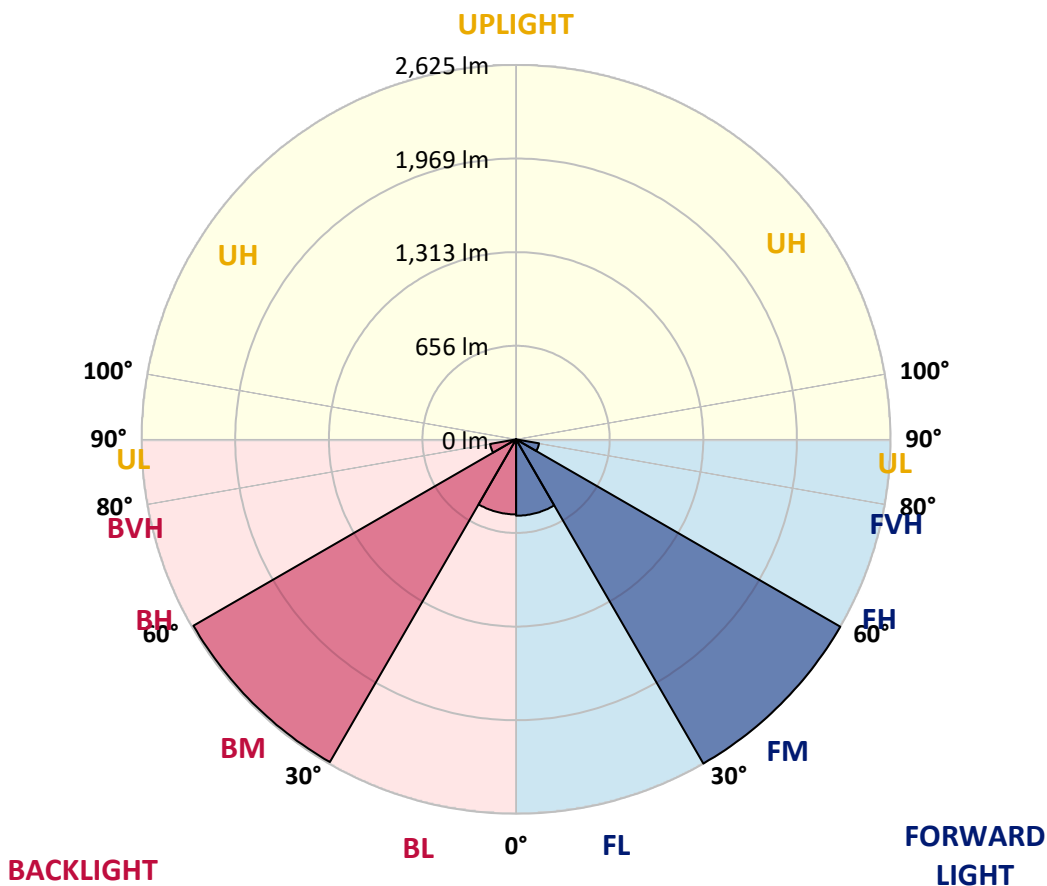
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.7	8.1			
FM (30°-60°)	2625.3	39.5			
FH (60°-80°)	163.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	526.4	7.9	B2/1000		
BM (30°-60°)	2612.6	39.3	B3/5000		
BH (60°-80°)	185.3	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°	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7
2.5°	928.1	930.3	933.2	936.2	939.8	943.5	945.7	952.3	950.9	956.7	956.7
5°	917.8	920.0	923.7	930.3	938.4	946.5	952.3	965.6	972.9	984.7	989.1
7.5°	922.9	925.9	930.3	940.6	953.1	965.6	972.2	993.5	1008.2	1030.3	1042.8
10°	939.8	942.8	950.1	967.8	984.0	1001.6	1009.7	1036.9	1060.4	1090.6	1108.2
12.5°	959.0	962.6	977.3	1003.8	1031.8	1055.3	1066.3	1096.5	1120.7	1154.6	1182.5
15°	978.8	984.7	1007.5	1046.5	1086.2	1117.8	1129.6	1161.9	1186.2	1222.2	1253.8
17.5°	1025.1	1031.8	1057.5	1099.4	1153.8	1190.6	1200.9	1234.7	1253.1	1277.4	1310.5
20°	1083.2	1095.7	1127.4	1178.1	1237.7	1273.0	1280.3	1313.4	1311.9	1322.2	1350.9
22.5°	1155.3	1164.1	1198.7	1259.0	1325.9	1364.9	1381.8	1395.8	1377.4	1368.6	1387.0
25°	1230.3	1240.6	1278.1	1344.3	1419.3	1464.2	1478.1	1489.2	1459.8	1426.7	1428.9
27.5°	1327.4	1334.7	1371.5	1442.1	1517.1	1567.9	1580.4	1599.5	1560.5	1507.6	1492.8
30°	1442.8	1450.2	1489.2	1563.4	1637.7	1681.1	1700.2	1723.8	1681.1	1614.9	1598.0
32.5°	1578.2	1585.5	1635.5	1712.0	1773.0	1820.1	1838.5	1863.5	1829.7	1755.4	1736.3
35°	1739.9	1744.4	1803.2	1886.3	1951.0	1996.6	2009.1	2038.5	2001.0	1926.7	1916.4
37.5°	1927.5	1932.6	1996.6	2092.9	2159.1	2209.9	2229.7	2237.8	2192.2	2109.1	2101.0
40°	2133.4	2150.3	2212.8	2316.5	2390.8	2454.7	2472.4	2445.2	2381.2	2268.0	2253.2
42.5°	2348.1	2362.8	2432.7	2545.2	2631.2	2696.7	2697.4	2638.6	2529.8	2373.1	2351.1
45°	2526.8	2532.7	2623.1	2736.4	2842.3	2888.6	2893.0	2786.4	2622.4	2434.2	2387.1
47.5°	2649.6	2659.2	2737.9	2846.7	2963.6	3005.6	2996.7	2863.6	2666.5	2473.9	2395.9
50°	2651.1	2667.3	2752.6	2857.7	2971.0	3021.7	3009.2	2885.7	2691.5	2475.3	2374.6
52.5°	2416.5	2443.0	2582.0	2734.2	2907.7	2994.5	2997.5	2914.4	2682.0	2451.8	2355.5
55°	1823.0	1851.7	2026.7	2286.3	2621.7	2863.6	2905.5	2880.5	2670.9	2462.1	2389.3
57.5°	964.8	942.8	1039.8	1297.2	1718.6	2146.6	2269.4	2469.4	2548.1	2474.6	2451.8
60°	210.3	224.3	298.6	402.3	670.7	1009.7	1129.6	1472.3	1879.7	2060.6	2191.5
62.5°	90.5	89.0	92.7	105.2	153.7	255.9	312.5	510.4	805.3	1106.0	1309.7
65°	74.3	75.0	78.0	78.0	72.8	73.5	77.2	116.9	188.3	264.0	354.5
67.5°	55.9	56.6	61.8	63.2	59.6	52.9	52.2	44.1	46.3	58.1	60.3
70°	35.3	35.3	38.2	39.7	39.7	36.8	36.0	31.6	30.9	35.3	39.7
72.5°	19.1	19.1	20.6	21.3	20.6	19.9	19.9	19.1	18.4	21.3	27.2
75°	8.1	8.1	8.8	8.8	8.1	8.1	8.1	8.1	8.1	9.6	14.7
77.5°	1.5	2.2	2.9	2.2	1.5	1.5	1.5	2.2	2.2	2.9	4.4
80°	0.7	0.7	1.5	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7
2.5°	961.9	953.8	956.7	958.2	956.0	954.5	946.5	944.2	940.6	934.7	933.2
5°	994.3	987.6	986.9	982.5	972.2	959.7	944.2	937.6	930.3	922.9	921.4
7.5°	1048.7	1040.6	1035.4	1020.7	997.2	977.3	951.6	937.6	928.1	918.5	916.3
10°	1118.5	1109.0	1094.3	1067.1	1035.4	1006.8	976.6	958.2	943.5	930.3	929.5
12.5°	1192.8	1182.5	1156.0	1121.5	1083.2	1056.8	1018.5	992.8	970.7	950.9	948.7
15°	1270.8	1258.3	1222.2	1181.0	1145.7	1118.5	1076.6	1035.4	1001.6	972.9	970.0
17.5°	1330.3	1314.9	1272.2	1241.3	1212.7	1184.7	1137.7	1083.2	1038.4	1003.8	995.7
20°	1367.8	1353.1	1312.7	1295.8	1282.5	1262.7	1206.8	1150.2	1100.1	1057.5	1050.1
22.5°	1403.9	1386.2	1350.9	1350.9	1361.2	1353.1	1292.8	1228.1	1169.3	1120.0	1109.0
25°	1444.3	1430.3	1405.3	1425.9	1451.7	1450.9	1389.2	1308.3	1240.6	1185.5	1174.4
27.5°	1503.1	1489.2	1480.3	1519.3	1551.7	1549.5	1481.8	1394.3	1323.0	1268.6	1258.3
30°	1606.8	1593.6	1584.0	1631.1	1672.3	1656.8	1582.6	1498.0	1425.9	1364.2	1356.8
32.5°	1745.1	1731.1	1718.6	1765.7	1802.4	1782.6	1712.0	1632.6	1549.5	1489.2	1474.5
35°	1926.7	1897.3	1884.8	1940.7	1956.1	1934.1	1866.4	1796.6	1708.3	1639.2	1629.6
37.5°	2114.3	2079.7	2070.9	2119.4	2144.4	2136.3	2056.9	1984.1	1888.5	1812.0	1801.0
40°	2274.6	2242.9	2227.5	2303.3	2359.9	2365.0	2293.7	2204.7	2092.2	2012.8	1992.9
42.5°	2368.7	2341.5	2337.8	2455.5	2548.1	2614.3	2529.0	2437.1	2318.7	2229.0	2212.8
45°	2390.0	2372.4	2403.3	2557.7	2701.8	2822.4	2749.6	2652.6	2524.6	2429.7	2414.3
47.5°	2387.8	2381.9	2437.1	2610.6	2793.0	2941.6	2905.5	2796.0	2672.4	2573.1	2558.4
50°	2356.2	2356.9	2448.9	2637.1	2829.8	2973.9	2937.9	2836.4	2726.1	2628.3	2616.5
52.5°	2343.7	2339.3	2426.8	2629.0	2867.3	2959.2	2878.3	2764.3	2641.5	2520.9	2503.3
55°	2387.8	2376.8	2429.7	2622.4	2871.7	2951.1	2737.9	2490.8	2239.3	2096.6	2084.8
57.5°	2454.0	2442.2	2467.2	2573.9	2641.5	2454.0	2015.0	1616.4	1357.5	1248.0	1200.2
60°	2191.5	2183.4	2164.3	2035.6	1745.8	1317.1	897.2	572.1	411.1	332.4	332.4
62.5°	1359.7	1348.7	1245.0	925.1	672.1	389.0	214.0	133.8	101.5	94.9	94.1
65°	381.7	379.5	314.0	222.1	141.2	87.5	77.2	78.7	77.2	75.0	74.3
67.5°	57.4	63.2	63.2	51.5	49.3	55.2	64.7	69.1	65.4	61.8	60.3
70°	36.8	39.7	38.2	33.1	35.3	41.2	46.3	47.1	44.9	41.2	40.4
72.5°	25.7	28.7	23.5	21.3	22.1	24.3	26.5	26.5	25.7	24.3	22.8
75°	15.4	15.4	11.0	10.3	10.3	11.0	11.0	12.5	12.5	11.8	11.0
77.5°	5.1	5.9	3.7	2.9	2.9	2.9	3.7	4.4	4.4	3.7	2.9
80°	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	0.7
82.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)