

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: P634508

Luminaire Tested: GWS-SA3B-830-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8506 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

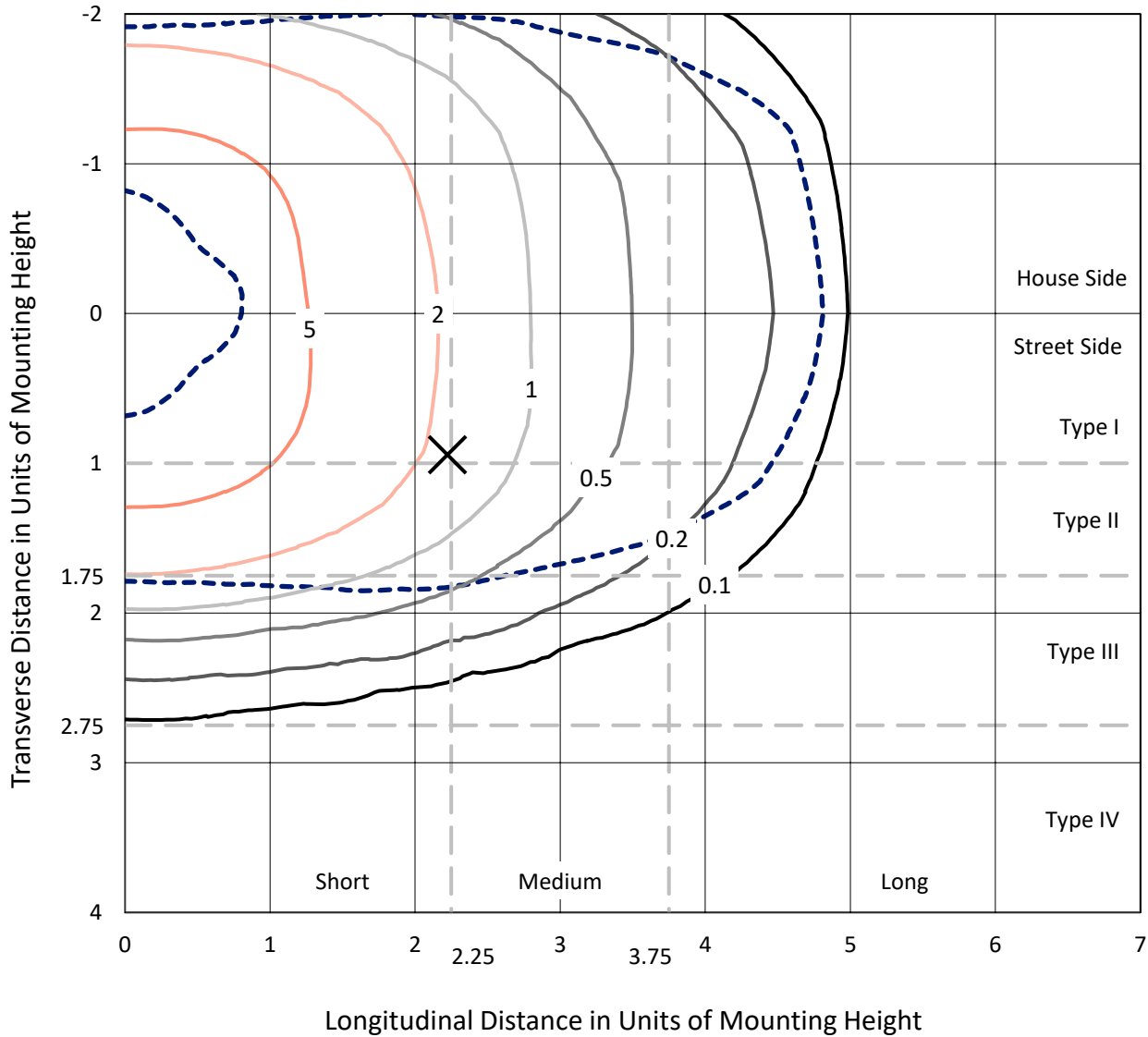
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

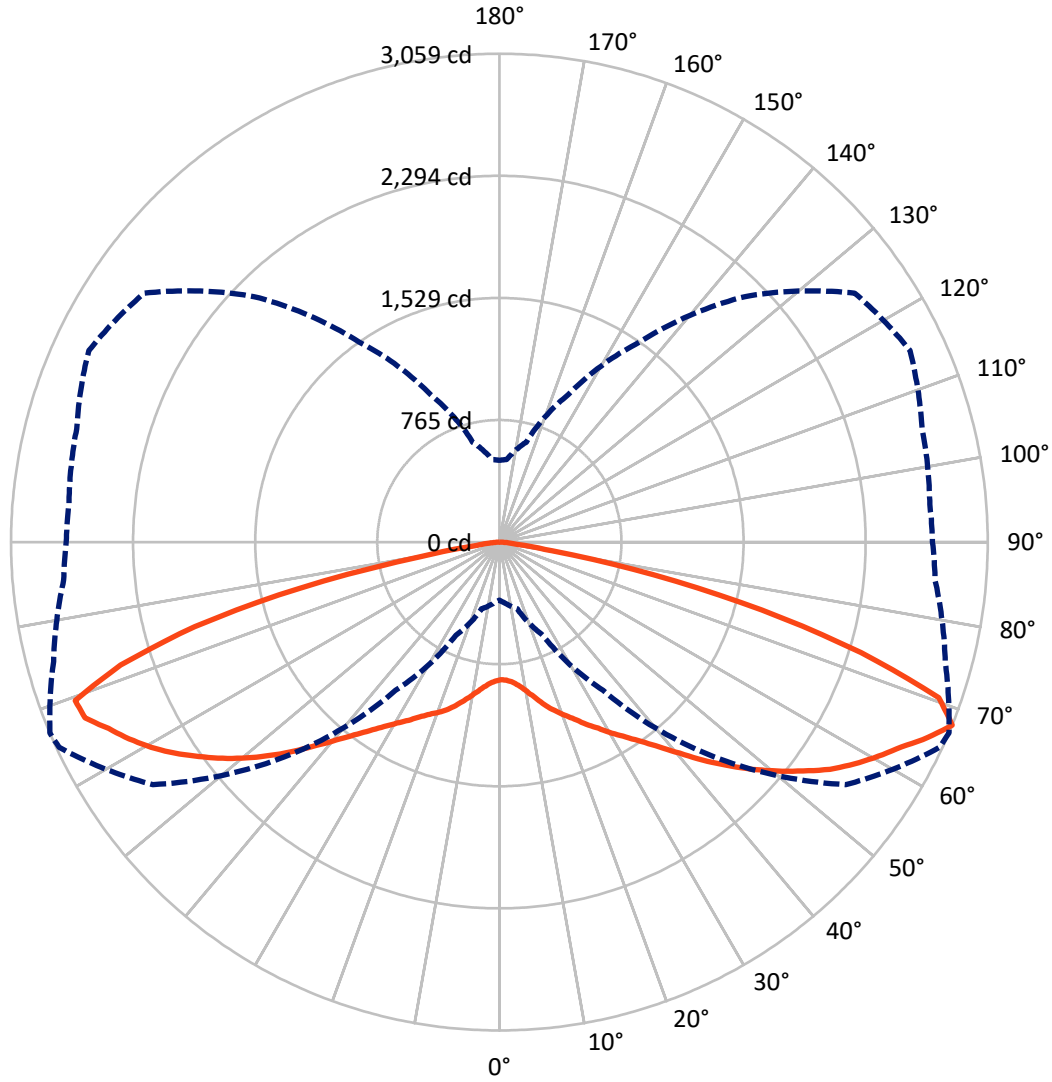
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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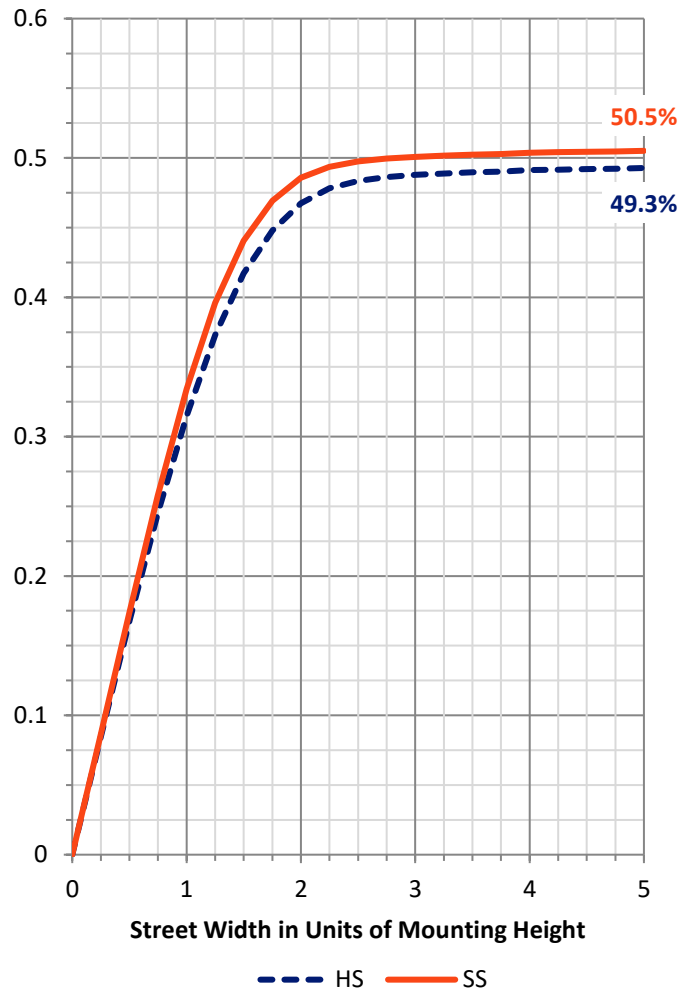
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4206.1	0.0	4206.1
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	4299.9	0.0	4299.9
	% Fixture	50.6	0.0	50.6
Total	Lumens	8506.0	0.0	8506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	1.0
10°-20°	285.5	3.4
20°-30°	560.1	6.6
30°-40°	954.2	11.2
40°-50°	1532.3	18.0
50°-60°	2082.1	24.5
60°-70°	1991.7	23.4
70°-80°	946.9	11.1
80°-90°	68.6	0.8
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°	8506.0	100.0
0°-180°	8506.0	100.0

Coefficient of Utilization



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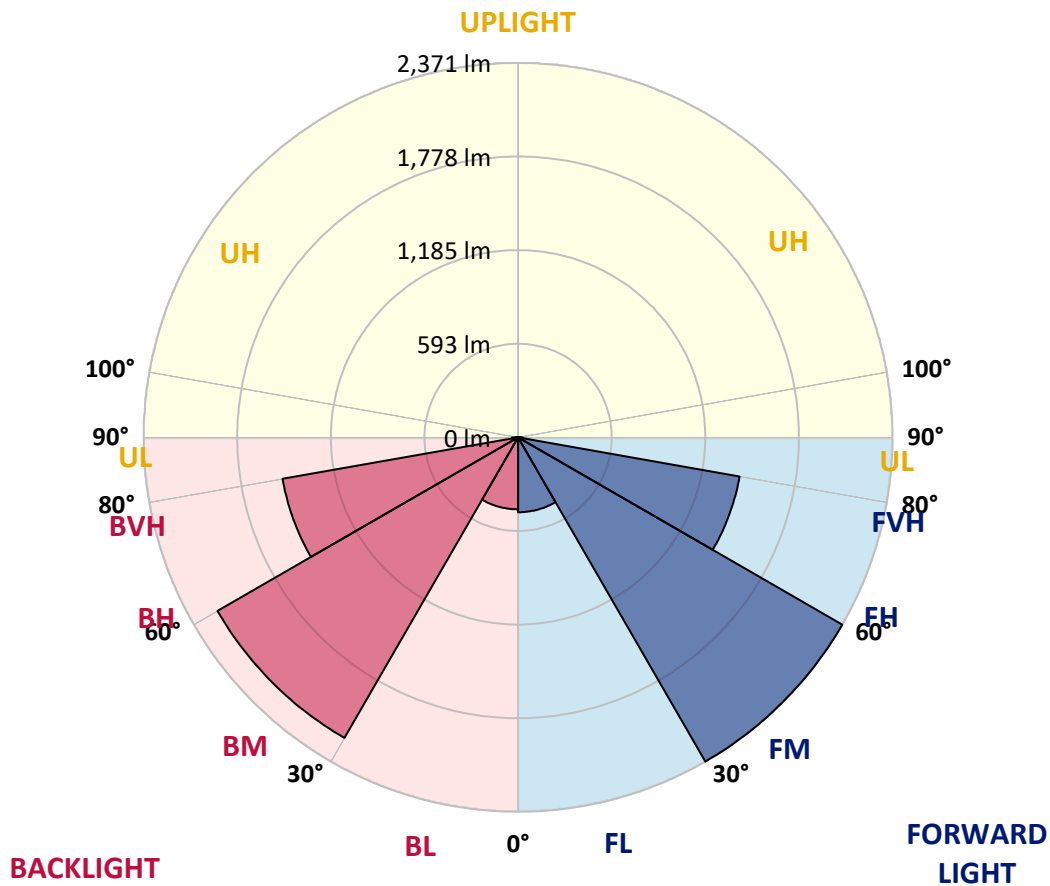
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.3	5.6			
FM (30°-60°)	2370.7	27.9			
FH (60°-80°)	1424.1	16.7			G1/1800
FVH (80°-90°)	30.8	0.4			G1/100
BL (0°-30°)	455.8	5.4	B1/500		
BM (30°-60°)	2198.0	25.8	B2/2500		
BH (60°-80°)	1514.5	17.8	B3/2500		G3/2500
BVH (80°-90°)	37.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3
2.5°	843.5	844.7	846.5	850.0	853.6	858.9	864.2	863.6	866.0	867.8	869.6
5°	838.8	840.0	842.9	847.7	853.0	861.9	873.1	877.9	881.4	887.9	893.9
7.5°	848.8	851.2	855.4	861.9	870.2	881.4	896.8	905.1	910.4	922.3	932.4
10°	862.5	865.4	873.7	886.2	898.6	915.8	935.3	947.8	951.3	966.7	985.7
12.5°	875.5	879.1	892.7	915.2	937.7	960.8	983.9	999.3	1000.5	1021.2	1042.5
15°	896.2	899.2	917.6	946.6	980.9	1012.9	1041.4	1052.0	1056.8	1071.6	1098.2
17.5°	941.8	945.4	969.1	1000.5	1036.6	1070.4	1098.8	1107.7	1107.7	1120.1	1142.1
20°	991.0	994.6	1026.0	1066.2	1110.1	1144.4	1166.3	1158.0	1155.1	1158.6	1174.0
22.5°	1046.1	1052.6	1082.8	1129.6	1183.5	1225.6	1236.8	1212.0	1203.7	1195.4	1198.9
25°	1116.6	1124.3	1153.9	1203.7	1256.4	1300.8	1307.3	1268.8	1264.1	1235.1	1224.4
27.5°	1197.7	1203.7	1240.4	1289.6	1338.7	1376.0	1383.1	1335.8	1319.8	1279.5	1254.6
30°	1302.6	1307.9	1339.9	1388.5	1431.1	1457.2	1466.1	1400.9	1388.5	1326.9	1288.4
32.5°	1416.9	1419.3	1451.9	1498.7	1536.6	1561.4	1549.0	1473.2	1454.8	1385.5	1332.8
35°	1547.8	1547.8	1589.9	1627.8	1658.0	1665.1	1641.4	1554.9	1533.6	1458.4	1392.6
37.5°	1676.4	1679.9	1719.0	1764.0	1790.7	1789.5	1746.3	1651.5	1627.2	1545.4	1472.6
40°	1815.6	1823.3	1862.4	1912.7	1938.2	1934.6	1868.3	1762.8	1738.0	1641.4	1570.3
42.5°	1943.5	1955.9	2001.6	2053.1	2080.9	2078.6	2009.3	1890.8	1866.5	1757.5	1686.4
45°	2045.4	2058.4	2115.3	2187.0	2231.4	2227.2	2157.3	2023.5	1993.9	1879.5	1801.3
47.5°	2134.8	2148.5	2211.8	2287.7	2358.2	2365.3	2301.3	2157.3	2126.0	2010.4	1922.2
50°	2203.5	2210.1	2281.1	2364.1	2445.8	2485.5	2429.8	2291.8	2253.9	2139.6	2040.1
52.5°	2198.2	2207.1	2294.8	2407.3	2516.9	2582.1	2543.6	2418.6	2381.8	2257.5	2160.3
55°	2089.8	2098.7	2203.0	2367.0	2556.6	2652.6	2648.4	2539.4	2512.8	2377.7	2285.3
57.5°	1931.7	1951.2	2054.9	2232.0	2504.5	2708.8	2725.4	2649.6	2621.8	2495.6	2409.1
60°	1648.5	1674.6	1794.2	2024.1	2337.4	2689.9	2807.7	2742.6	2725.4	2605.2	2521.1
62.5°	1197.7	1216.7	1376.0	1677.5	2089.8	2554.8	2877.1	2838.6	2825.5	2703.5	2622.3
65°	717.3	760.6	888.5	1186.5	1685.8	2300.1	2839.1	2964.1	2950.5	2804.8	2708.8
67.5°	363.1	382.7	433.0	643.3	1133.8	1903.2	2649.0	3042.3	3058.9	2891.3	2739.6
70°	225.1	230.4	244.6	317.5	566.3	1250.5	2166.2	2838.6	2919.7	2877.6	2659.7
72.5°	180.7	181.9	184.2	197.8	271.9	584.7	1369.5	2223.1	2369.4	2687.5	2545.3
75°	149.9	150.5	151.0	155.2	169.4	238.7	666.4	1527.7	1698.9	2284.1	2359.9
77.5°	120.2	117.3	119.7	121.4	125.0	133.3	229.8	815.1	988.6	1499.2	1825.0
80°	78.2	77.0	81.7	83.5	87.1	92.4	122.6	276.6	335.9	545.6	580.5
82.5°	42.1	39.7	49.8	48.0	49.8	53.9	72.3	101.3	113.7	164.7	139.2
85°	13.0	13.0	13.6	16.0	19.5	19.0	31.4	49.8	55.1	70.5	52.1
87.5°	2.4	2.4	2.4	2.4	2.4	3.0	6.5	10.1	13.6	24.3	18.4
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°	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3
2.5°	873.1	867.8	870.8	872.5	871.9	870.8	864.8	863.6	860.7	855.9	854.8
5°	899.2	893.3	893.9	892.1	886.2	878.5	865.4	858.9	853.6	847.7	847.1
7.5°	940.1	933.5	931.8	923.5	906.9	889.1	868.4	856.5	847.7	840.0	838.8
10°	992.2	985.7	979.8	960.2	933.0	909.3	882.0	864.8	851.8	842.3	840.5
12.5°	1050.2	1044.9	1030.1	1001.7	969.1	941.2	913.4	892.1	873.1	858.9	857.1
15°	1114.8	1103.0	1080.5	1043.7	1012.9	990.4	956.6	927.6	897.4	878.5	874.3
17.5°	1159.8	1149.8	1123.1	1087.6	1063.3	1043.7	1004.0	962.6	921.7	893.9	887.9
20°	1191.8	1181.2	1150.9	1124.9	1117.2	1100.6	1054.4	1006.4	959.0	924.7	917.0
22.5°	1214.9	1203.7	1172.9	1159.8	1170.5	1167.5	1122.5	1068.0	1011.7	970.9	961.4
25°	1236.8	1226.2	1198.9	1203.7	1232.1	1241.0	1192.4	1129.0	1065.0	1017.1	1005.8
27.5°	1257.6	1243.9	1231.5	1257.6	1297.8	1314.4	1262.9	1191.2	1121.9	1072.7	1063.9
30°	1289.6	1273.6	1271.8	1309.7	1373.7	1387.9	1331.0	1259.3	1190.6	1140.9	1129.6
32.5°	1329.8	1315.0	1316.2	1373.1	1447.1	1459.0	1410.4	1343.5	1274.7	1225.0	1209.6
35°	1384.3	1366.0	1376.0	1445.9	1520.6	1542.5	1503.4	1447.7	1380.8	1329.8	1312.7
37.5°	1459.6	1432.9	1453.6	1527.1	1602.3	1634.9	1604.7	1563.2	1496.9	1445.3	1429.3
40°	1555.5	1533.6	1541.9	1623.0	1700.6	1739.7	1720.8	1679.9	1614.2	1560.3	1541.9
42.5°	1669.2	1647.3	1644.4	1730.9	1808.5	1867.7	1849.3	1812.0	1743.9	1682.3	1664.5
45°	1780.6	1760.5	1764.6	1852.9	1940.0	2004.5	1986.2	1942.3	1868.3	1797.2	1783.0
47.5°	1896.7	1880.1	1883.7	1977.3	2073.2	2137.8	2114.7	2061.4	1974.9	1899.1	1881.9
50°	2015.8	1996.8	2002.2	2100.5	2204.1	2265.2	2229.6	2150.8	2055.5	1981.4	1966.6
52.5°	2134.2	2111.7	2125.4	2218.4	2325.6	2374.1	2308.4	2213.0	2120.6	2047.2	2030.6
55°	2270.5	2246.8	2232.0	2331.5	2437.5	2457.7	2367.6	2256.3	2146.7	2063.2	2053.1
57.5°	2394.9	2374.7	2346.9	2446.4	2524.6	2509.8	2413.2	2244.4	2083.3	1976.1	1961.9
60°	2506.2	2489.1	2464.8	2549.5	2585.0	2551.9	2376.5	2104.0	1926.9	1815.0	1808.5
62.5°	2608.7	2590.4	2567.8	2640.1	2635.4	2558.4	2209.5	1888.4	1651.5	1531.2	1520.6
65°	2689.9	2673.3	2666.8	2723.6	2715.9	2431.0	1949.4	1535.4	1206.6	1071.0	1066.8
67.5°	2713.0	2706.5	2741.4	2838.0	2717.7	2175.1	1528.9	1018.3	648.0	519.5	511.8
70°	2626.5	2625.9	2726.0	2864.0	2471.3	1661.5	902.2	459.1	325.8	289.1	284.3
72.5°	2513.9	2512.2	2591.5	2470.7	1832.7	909.3	379.7	245.8	203.8	193.7	193.7
75°	2329.1	2324.4	2384.2	1879.5	1030.7	342.4	201.4	168.8	159.9	158.2	158.2
77.5°	1898.5	1858.8	1764.6	1161.6	359.6	168.2	133.3	132.7	127.4	126.8	126.8
80°	624.3	624.3	725.6	443.1	158.8	103.7	94.2	98.9	93.6	90.0	89.4
82.5°	101.9	140.4	199.6	126.8	85.9	64.6	58.1	61.6	64.6	51.5	51.5
85°	40.3	52.7	77.0	59.2	39.7	26.1	27.8	30.8	27.2	23.7	23.1
87.5°	15.4	19.0	27.2	14.2	8.3	4.7	3.0	3.0	2.4	2.4	2.4
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)