

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: P632361

Luminaire Tested: GWS-SA2C-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632361
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-SA2C-750-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6136 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

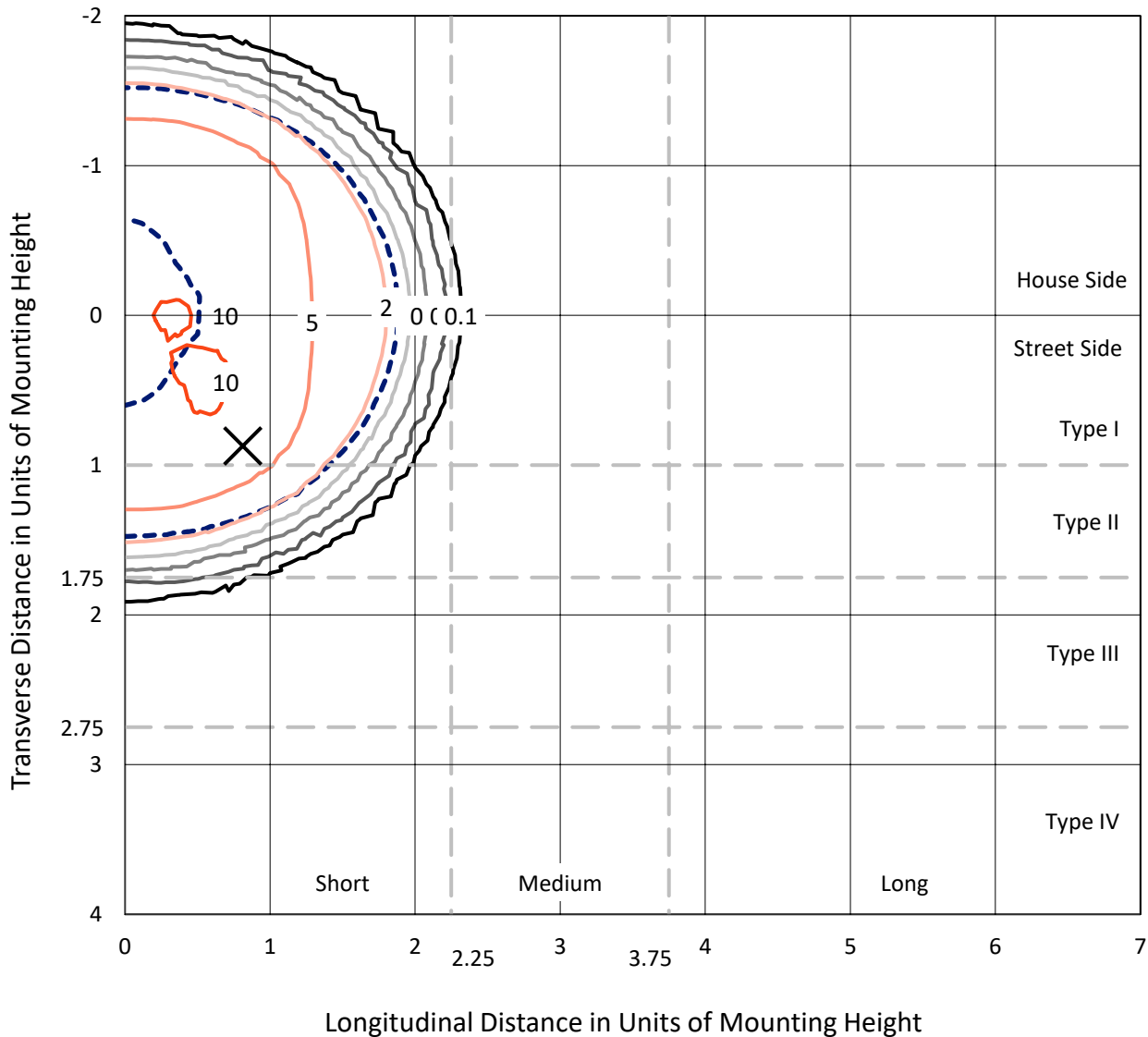
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

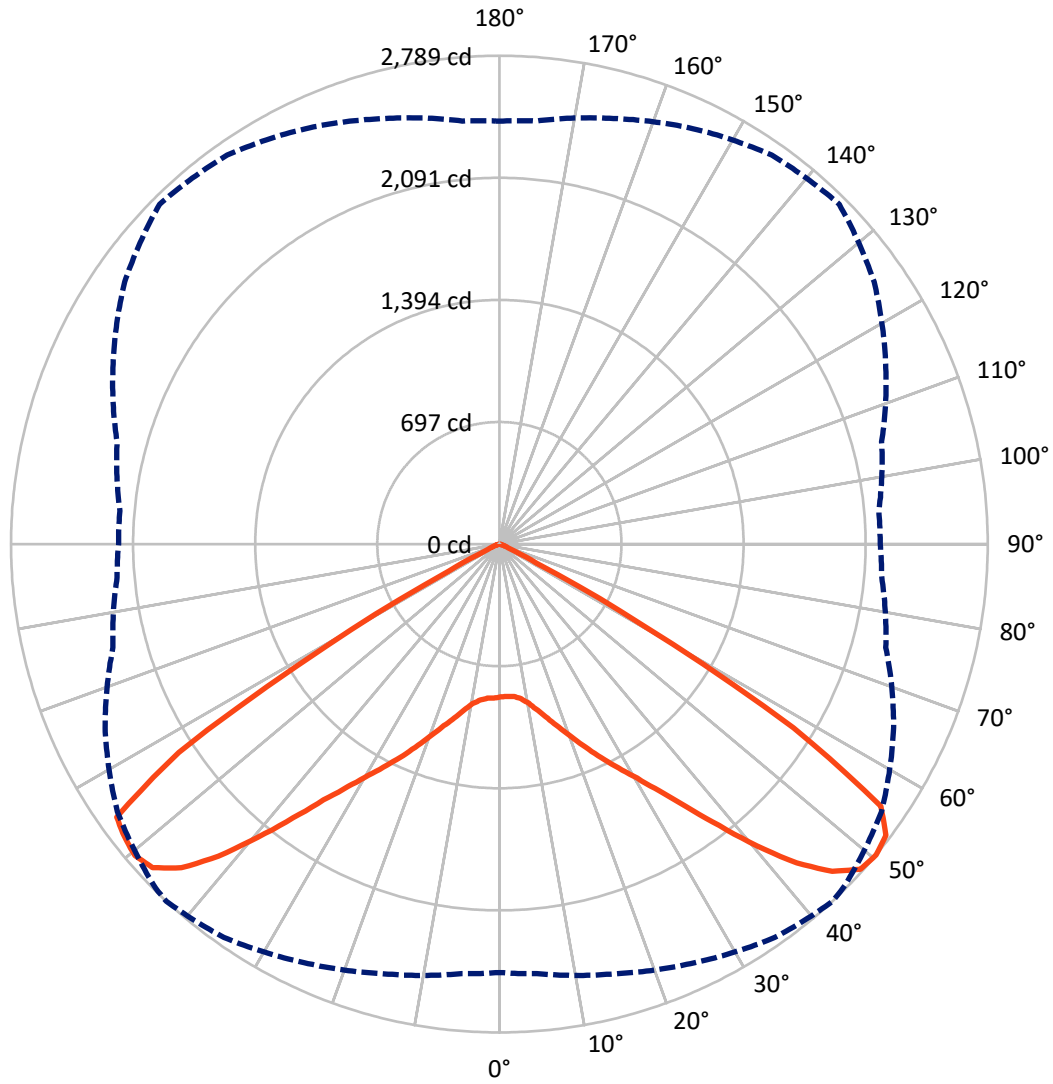
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 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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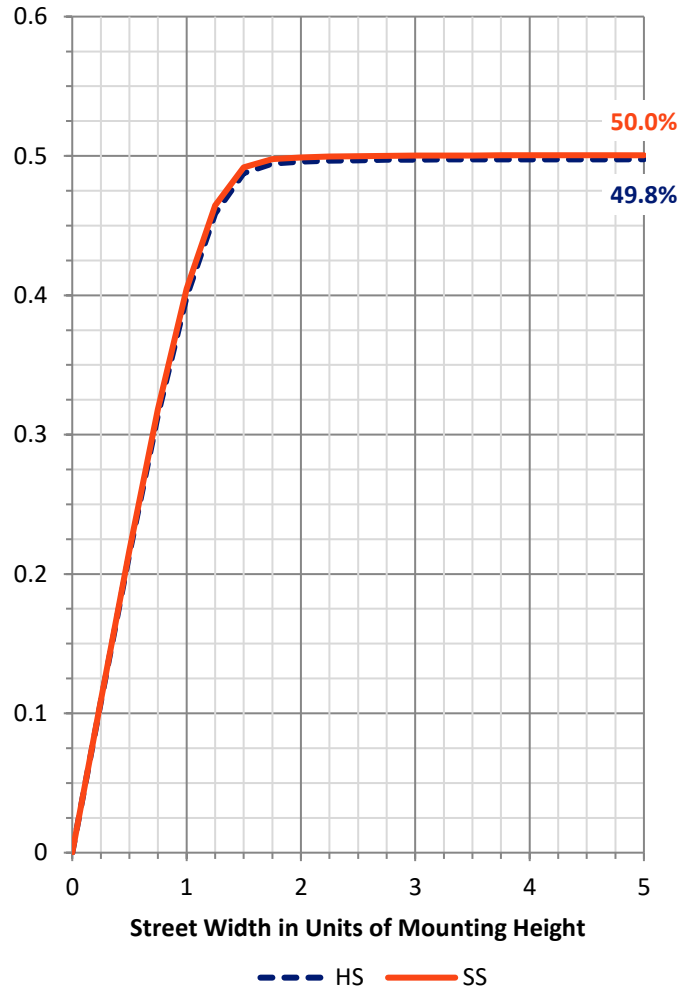
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3067.9	0.0	3067.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3068.1	0.0	3068.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6136.0	0.0	6136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	1.4
10°-20°	295.8	4.8
20°-30°	598.4	9.8
30°-40°	1110.2	18.1
40°-50°	1842.9	30.0
50°-60°	1880.7	30.7
60°-70°	308.4	5.0
70°-80°	13.5	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°	6136.0	100.0
0°-180°	6136.0	100.0

Coefficient of Utilization



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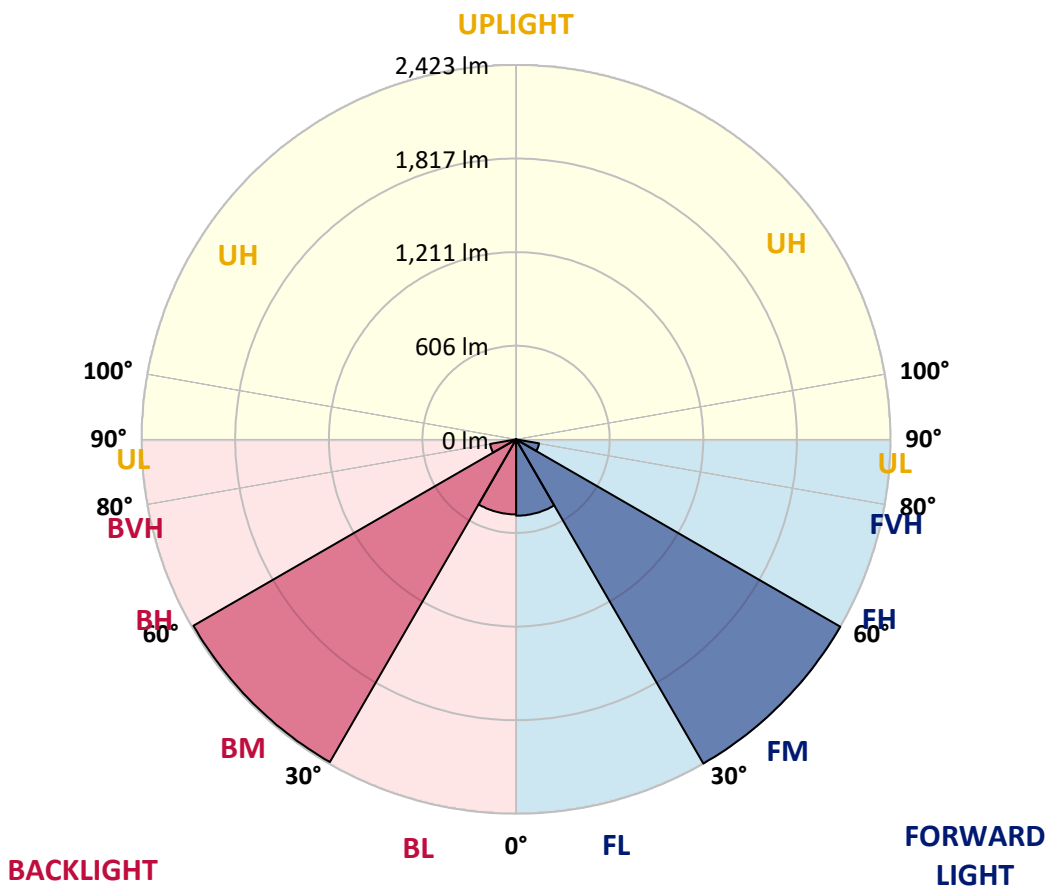
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.3	8.1			
FM (30°-60°)	2422.8	39.5			
FH (60°-80°)	150.9	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	485.7	7.9	B1/500		
BM (30°-60°)	2411.0	39.3	B2/2500		
BH (60°-80°)	171.0	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: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7
2.5°	856.5	858.5	861.2	863.9	867.3	870.7	872.7	878.9	877.5	882.9	882.9
5°	847.0	849.0	852.4	858.5	866.0	873.4	878.9	891.1	897.9	908.7	912.8
7.5°	851.7	854.4	858.5	868.0	879.5	891.1	897.2	916.9	930.4	950.8	962.3
10°	867.3	870.0	876.8	893.1	908.0	924.3	931.8	956.9	978.6	1006.4	1022.7
12.5°	885.0	888.4	901.9	926.4	952.2	973.9	984.0	1011.9	1034.3	1065.5	1091.3
15°	903.3	908.7	929.8	965.7	1002.4	1031.6	1042.4	1072.3	1094.7	1127.9	1157.1
17.5°	946.0	952.2	975.9	1014.6	1064.8	1098.7	1108.2	1139.5	1156.4	1178.8	1209.4
20°	999.7	1011.2	1040.4	1087.2	1142.2	1174.7	1181.5	1212.1	1210.7	1220.2	1246.7
22.5°	1066.2	1074.3	1106.2	1161.9	1223.6	1259.6	1275.2	1288.1	1271.1	1263.0	1279.9
25°	1135.4	1144.9	1179.5	1240.6	1309.8	1351.2	1364.1	1374.3	1347.1	1316.6	1318.6
27.5°	1225.0	1231.8	1265.7	1330.8	1400.1	1446.9	1458.4	1476.1	1440.1	1391.2	1377.7
30°	1331.5	1338.3	1374.3	1442.8	1511.4	1551.4	1569.0	1590.8	1551.4	1490.3	1474.7
32.5°	1456.4	1463.2	1509.3	1579.9	1636.2	1679.7	1696.6	1719.7	1688.5	1619.9	1602.3
35°	1605.7	1609.8	1664.1	1740.7	1800.5	1842.5	1854.1	1881.2	1846.6	1778.1	1768.6
37.5°	1778.8	1783.5	1842.5	1931.4	1992.5	2039.4	2057.7	2065.1	2023.1	1946.4	1938.9
40°	1968.8	1984.4	2042.1	2137.8	2206.3	2265.3	2281.6	2256.5	2197.5	2093.0	2079.4
42.5°	2166.9	2180.5	2245.0	2348.8	2428.2	2488.6	2489.3	2435.0	2334.6	2190.0	2169.7
45°	2331.9	2337.3	2420.8	2525.3	2623.0	2665.8	2669.8	2571.4	2420.1	2246.3	2202.9
47.5°	2445.2	2454.0	2526.6	2627.1	2735.0	2773.7	2765.5	2642.7	2460.8	2283.0	2211.1
50°	2446.5	2461.5	2540.2	2637.2	2741.8	2788.6	2777.1	2663.0	2483.9	2284.3	2191.4
52.5°	2230.1	2254.5	2382.8	2523.2	2683.4	2763.5	2766.2	2689.5	2475.1	2262.6	2173.7
55°	1682.4	1708.9	1870.4	2109.9	2419.4	2642.7	2681.4	2658.3	2464.9	2272.1	2204.9
57.5°	890.4	870.0	959.6	1197.1	1586.0	1981.0	2094.3	2278.9	2351.5	2283.7	2262.6
60°	194.1	207.0	275.5	371.2	618.9	931.8	1042.4	1358.7	1734.6	1901.6	2022.4
62.5°	83.5	82.1	85.5	97.0	141.8	236.2	288.4	471.0	743.1	1020.7	1208.7
65°	68.5	69.2	71.9	71.9	67.2	67.9	71.3	107.9	173.7	243.6	327.1
67.5°	51.6	52.3	57.0	58.4	55.0	48.9	48.2	40.7	42.8	53.6	55.6
70°	32.6	32.6	35.3	36.6	36.6	33.9	33.3	29.2	28.5	32.6	36.6
72.5°	17.6	17.6	19.0	19.7	19.0	18.3	18.3	17.6	17.0	19.7	25.1
75°	7.5	7.5	8.1	8.1	7.5	7.5	7.5	7.5	7.5	8.8	13.6
77.5°	1.4	2.0	2.7	2.0	1.4	1.4	1.4	2.0	2.0	2.7	4.1
80°	0.7	0.7	1.4	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°	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7
2.5°	887.7	880.2	882.9	884.3	882.3	880.9	873.4	871.4	868.0	862.6	861.2
5°	917.5	911.4	910.8	906.7	897.2	885.6	871.4	865.3	858.5	851.7	850.4
7.5°	967.8	960.3	955.5	942.0	920.3	901.9	878.2	865.3	856.5	847.6	845.6
10°	1032.2	1023.4	1009.8	984.7	955.5	929.1	901.3	884.3	870.7	858.5	857.8
12.5°	1100.8	1091.3	1066.8	1034.9	999.7	975.2	939.9	916.2	895.8	877.5	875.5
15°	1172.7	1161.2	1127.9	1089.9	1057.3	1032.2	993.5	955.5	924.3	897.9	895.1
17.5°	1227.7	1213.4	1174.1	1145.6	1119.1	1093.3	1049.9	999.7	958.3	926.4	918.9
20°	1262.3	1248.7	1211.4	1195.8	1183.6	1165.2	1113.7	1061.4	1015.3	975.9	969.1
22.5°	1295.6	1279.3	1246.7	1246.7	1256.2	1248.7	1193.1	1133.4	1079.1	1033.6	1023.4
25°	1332.9	1320.0	1296.9	1315.9	1339.7	1339.0	1282.0	1207.3	1144.9	1094.0	1083.8
27.5°	1387.2	1374.3	1366.1	1402.1	1432.0	1429.9	1367.5	1286.7	1220.9	1170.7	1161.2
30°	1482.9	1470.6	1461.8	1505.3	1543.3	1529.0	1460.5	1382.4	1315.9	1258.9	1252.1
32.5°	1610.4	1597.6	1586.0	1629.4	1663.4	1645.1	1579.9	1506.6	1429.9	1374.3	1360.7
35°	1778.1	1750.9	1739.4	1791.0	1805.2	1784.9	1722.4	1658.0	1576.5	1512.7	1503.9
37.5°	1951.1	1919.2	1911.1	1955.9	1979.0	1971.5	1898.2	1831.0	1742.8	1672.2	1662.0
40°	2099.1	2069.9	2055.6	2125.5	2177.8	2182.6	2116.7	2034.6	1930.8	1857.5	1839.2
42.5°	2185.9	2160.8	2157.4	2266.0	2351.5	2412.6	2333.9	2249.1	2139.8	2057.0	2042.1
45°	2205.6	2189.3	2217.8	2360.4	2493.4	2604.7	2537.5	2447.9	2329.8	2242.3	2228.0
47.5°	2203.6	2198.2	2249.1	2409.2	2577.5	2714.6	2681.4	2580.2	2466.2	2374.6	2361.0
50°	2174.4	2175.1	2259.9	2433.7	2611.5	2744.5	2711.2	2617.6	2515.8	2425.5	2414.7
52.5°	2162.9	2158.8	2239.6	2426.2	2646.1	2730.9	2656.3	2551.1	2437.7	2326.4	2310.1
55°	2203.6	2193.4	2242.3	2420.1	2650.1	2723.4	2526.6	2298.6	2066.5	1934.8	1924.0
57.5°	2264.7	2253.8	2276.9	2375.3	2437.7	2264.7	1859.5	1491.7	1252.8	1151.7	1107.6
60°	2022.4	2014.9	1997.3	1878.5	1611.1	1215.5	828.0	528.0	379.4	306.8	306.8
62.5°	1254.8	1244.7	1149.0	853.7	620.3	359.0	197.5	123.5	93.7	87.5	86.9
65°	352.2	350.2	289.8	205.0	130.3	80.8	71.3	72.6	71.3	69.2	68.5
67.5°	52.9	58.4	58.4	47.5	45.5	50.9	59.7	63.8	60.4	57.0	55.6
70°	33.9	36.6	35.3	30.5	32.6	38.0	42.8	43.4	41.4	38.0	37.3
72.5°	23.8	26.5	21.7	19.7	20.4	22.4	24.4	24.4	23.8	22.4	21.0
75°	14.3	14.3	10.2	9.5	9.5	10.2	10.2	11.5	11.5	10.9	10.2
77.5°	4.8	5.4	3.4	2.7	2.7	2.7	3.4	4.1	4.1	3.4	2.7
80°	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	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)