

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: P632306

Luminaire Tested: GWS-SA2C-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632306
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5998.6 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

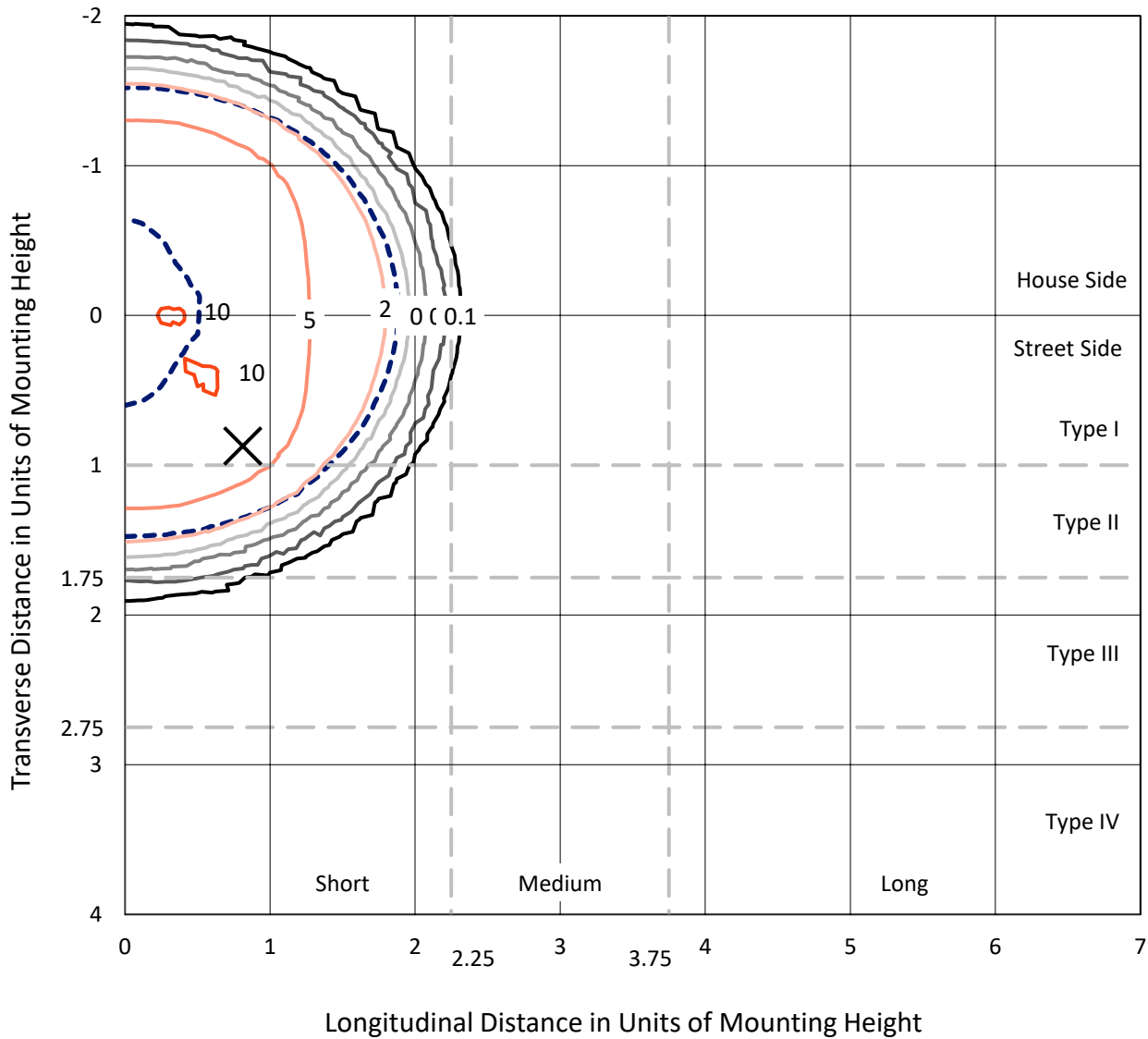
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

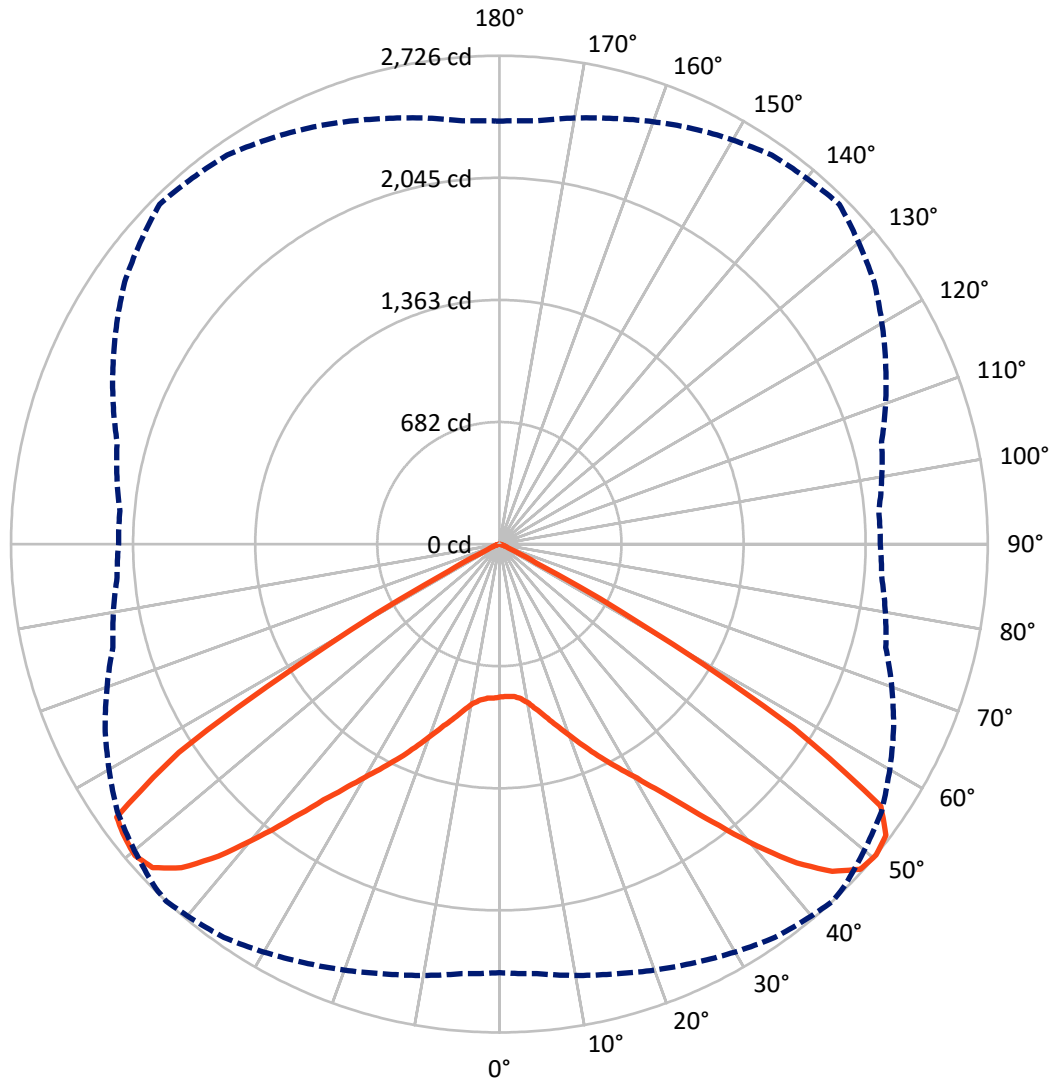
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 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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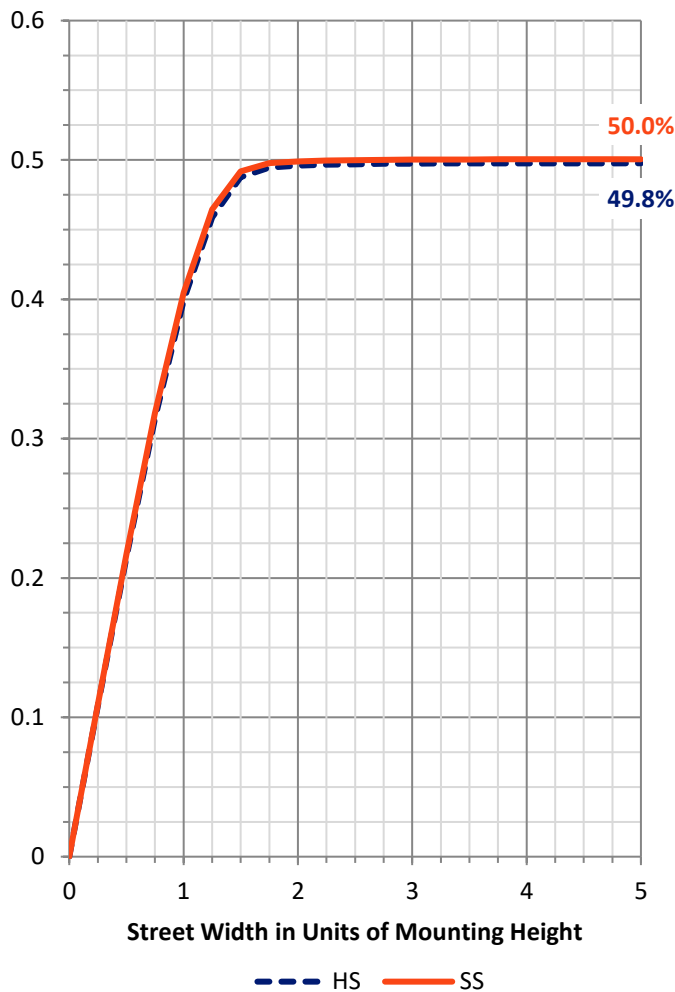
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2999.2	0.0	2999.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2999.4	0.0	2999.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5998.6	0.0	5998.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.4
10°-20°	289.1	4.8
20°-30°	585.0	9.8
30°-40°	1085.3	18.1
40°-50°	1801.6	30.0
50°-60°	1838.6	30.7
60°-70°	301.5	5.0
70°-80°	13.2	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°	5998.6	100.0
0°-180°	5998.6	100.0

Coefficient of Utilization



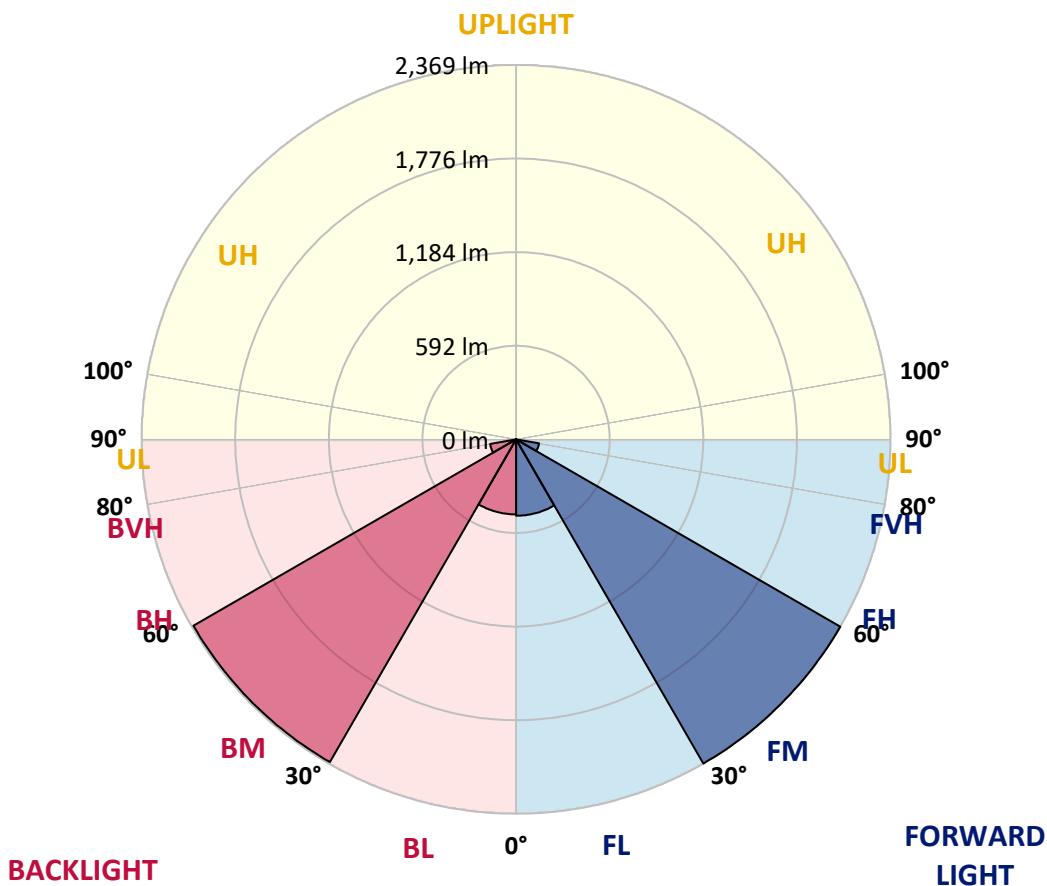
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.3	8.1			
FM (30°-60°)	2368.5	39.5			
FH (60°-80°)	147.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	474.9	7.9	B1/500		
BM (30°-60°)	2357.0	39.3	B2/2500		
BH (60°-80°)	167.2	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: 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°	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2
2.5°	837.3	839.3	841.9	844.6	847.9	851.2	853.2	859.2	857.9	863.2	863.2
5°	828.0	830.0	833.3	839.3	846.6	853.9	859.2	871.1	877.8	888.4	892.3
7.5°	832.6	835.3	839.3	848.6	859.8	871.1	877.1	896.3	909.6	929.5	940.8
10°	847.9	850.6	857.2	873.1	887.7	903.6	910.9	935.5	956.7	983.9	999.8
12.5°	865.1	868.5	881.7	905.6	930.8	952.1	962.0	989.2	1011.1	1041.6	1066.8
15°	883.1	888.4	908.9	944.1	979.9	1008.5	1019.1	1048.3	1070.2	1102.7	1131.2
17.5°	924.9	930.8	954.1	991.9	1041.0	1074.1	1083.4	1113.9	1130.5	1152.4	1182.3
20°	977.3	988.6	1017.1	1062.9	1116.6	1148.4	1155.1	1184.9	1183.6	1192.9	1218.8
22.5°	1042.3	1050.3	1081.4	1135.8	1196.2	1231.4	1246.6	1259.2	1242.7	1234.7	1251.3
25°	1110.0	1119.3	1153.1	1212.8	1280.5	1320.9	1333.5	1343.5	1317.0	1287.1	1289.1
27.5°	1197.5	1204.2	1237.3	1301.0	1368.7	1414.5	1425.8	1443.0	1407.9	1360.1	1346.8
30°	1301.7	1308.3	1343.5	1410.5	1477.5	1516.7	1533.9	1555.1	1516.7	1457.0	1441.7
32.5°	1423.8	1430.4	1475.5	1544.5	1599.6	1642.1	1658.6	1681.2	1650.7	1583.7	1566.4
35°	1569.7	1573.7	1626.8	1701.8	1760.2	1801.3	1812.6	1839.1	1805.3	1738.3	1729.0
37.5°	1738.9	1743.6	1801.3	1888.2	1947.9	1993.7	2011.6	2018.9	1977.8	1902.8	1895.5
40°	1924.7	1939.9	1996.3	2089.9	2156.9	2214.6	2230.5	2206.0	2148.3	2046.1	2032.8
42.5°	2118.4	2131.7	2194.7	2296.2	2373.8	2432.9	2433.6	2380.5	2282.3	2141.0	2121.1
45°	2279.6	2284.9	2366.6	2468.7	2564.3	2606.1	2610.0	2513.8	2365.9	2196.0	2153.6
47.5°	2390.4	2399.1	2470.1	2568.2	2673.7	2711.5	2703.6	2583.5	2405.7	2231.9	2161.5
50°	2391.8	2406.4	2483.3	2578.2	2680.4	2726.1	2714.9	2603.4	2428.3	2233.2	2142.3
52.5°	2180.1	2204.0	2329.4	2466.7	2623.3	2701.6	2704.3	2629.3	2419.6	2212.0	2125.1
55°	1644.7	1670.6	1828.5	2062.7	2365.2	2583.5	2621.3	2598.8	2409.7	2221.3	2155.6
57.5°	870.5	850.6	938.1	1170.3	1550.5	1936.6	2047.4	2227.9	2298.9	2232.5	2212.0
60°	189.7	202.4	269.4	362.9	605.1	910.9	1019.1	1328.2	1695.8	1859.0	1977.1
62.5°	81.6	80.3	83.6	94.9	138.7	230.9	282.0	460.4	726.5	997.8	1181.6
65°	67.0	67.7	70.3	70.3	65.7	66.3	69.7	105.5	169.8	238.2	319.8
67.5°	50.4	51.1	55.7	57.1	53.7	47.8	47.1	39.8	41.8	52.4	54.4
70°	31.8	31.8	34.5	35.8	35.8	33.2	32.5	28.5	27.9	31.8	35.8
72.5°	17.2	17.2	18.6	19.2	18.6	17.9	17.9	17.2	16.6	19.2	24.5
75°	7.3	7.3	8.0	8.0	7.3	7.3	7.3	7.3	7.3	8.6	13.3
77.5°	1.3	2.0	2.7	2.0	1.3	1.3	1.3	2.0	2.0	2.7	4.0
80°	0.7	0.7	1.3	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°	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2	853.2
2.5°	867.8	860.5	863.2	864.5	862.5	861.2	853.9	851.9	848.6	843.3	841.9
5°	897.0	891.0	890.4	886.4	877.1	865.8	851.9	845.9	839.3	832.6	831.3
7.5°	946.1	938.8	934.1	920.9	899.6	881.7	858.5	845.9	837.3	828.7	826.7
10°	1009.1	1000.5	987.2	962.7	934.1	908.3	881.1	864.5	851.2	839.3	838.6
12.5°	1076.1	1066.8	1043.0	1011.8	977.3	953.4	918.9	895.7	875.8	857.9	855.9
15°	1146.5	1135.2	1102.7	1065.5	1033.7	1009.1	971.3	934.1	903.6	877.8	875.1
17.5°	1200.2	1186.3	1147.8	1119.9	1094.0	1068.8	1026.4	977.3	936.8	905.6	898.3
20°	1234.0	1220.8	1184.3	1169.0	1157.1	1139.2	1088.7	1037.6	992.5	954.1	947.4
22.5°	1266.5	1250.6	1218.8	1218.8	1228.1	1220.8	1166.4	1108.0	1054.9	1010.4	1000.5
25°	1303.0	1290.4	1267.9	1286.4	1309.7	1309.0	1253.3	1180.3	1119.3	1069.5	1059.5
27.5°	1356.1	1343.5	1335.5	1370.7	1399.9	1397.9	1336.9	1257.9	1193.6	1144.5	1135.2
30°	1449.7	1437.7	1429.1	1471.5	1508.7	1494.8	1427.8	1351.5	1286.4	1230.7	1224.1
32.5°	1574.4	1561.8	1550.5	1593.0	1626.1	1608.2	1544.5	1472.9	1397.9	1343.5	1330.2
35°	1738.3	1711.7	1700.4	1750.9	1764.8	1744.9	1683.9	1620.8	1541.2	1478.8	1470.2
37.5°	1907.4	1876.3	1868.3	1912.1	1934.6	1927.3	1855.7	1790.0	1703.8	1634.8	1624.8
40°	2052.1	2023.5	2009.6	2077.9	2129.0	2133.7	2069.3	1989.0	1887.5	1815.9	1798.0
42.5°	2137.0	2112.4	2109.1	2215.3	2298.9	2358.6	2281.6	2198.7	2091.9	2010.9	1996.3
45°	2156.2	2140.3	2168.2	2307.5	2437.5	2546.3	2480.7	2393.1	2277.6	2192.1	2178.1
47.5°	2154.2	2148.9	2198.7	2355.3	2519.8	2653.8	2621.3	2522.5	2411.0	2321.4	2308.2
50°	2125.7	2126.4	2209.3	2379.2	2553.0	2683.0	2650.5	2559.0	2459.4	2371.2	2360.6
52.5°	2114.4	2110.5	2189.4	2371.9	2586.8	2669.8	2596.8	2493.9	2383.1	2274.3	2258.4
55°	2154.2	2144.3	2192.1	2365.9	2590.8	2662.5	2470.1	2247.1	2020.2	1891.5	1880.9
57.5°	2214.0	2203.3	2225.9	2322.1	2383.1	2214.0	1817.9	1458.3	1224.7	1125.9	1082.8
60°	1977.1	1969.8	1952.6	1836.4	1575.0	1188.3	809.4	516.2	370.9	299.9	299.9
62.5°	1226.7	1216.8	1123.2	834.6	606.4	351.0	193.1	120.7	91.6	85.6	84.9
65°	344.3	342.3	283.3	200.4	127.4	79.0	69.7	71.0	69.7	67.7	67.0
67.5°	51.7	57.1	57.1	46.4	44.5	49.8	58.4	62.4	59.0	55.7	54.4
70°	33.2	35.8	34.5	29.9	31.8	37.2	41.8	42.5	40.5	37.2	36.5
72.5°	23.2	25.9	21.2	19.2	19.9	21.9	23.9	23.9	23.2	21.9	20.6
75°	13.9	13.9	10.0	9.3	9.3	10.0	10.0	11.3	11.3	10.6	10.0
77.5°	4.6	5.3	3.3	2.7	2.7	2.7	3.3	4.0	4.0	3.3	2.7
80°	0.7	1.3	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	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)