

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: P634288

Luminaire Tested: GWS-SA3B-740-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634288
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-740-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10707.6 lumens
Efficiency: N/A
Efficacy: 156.8 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

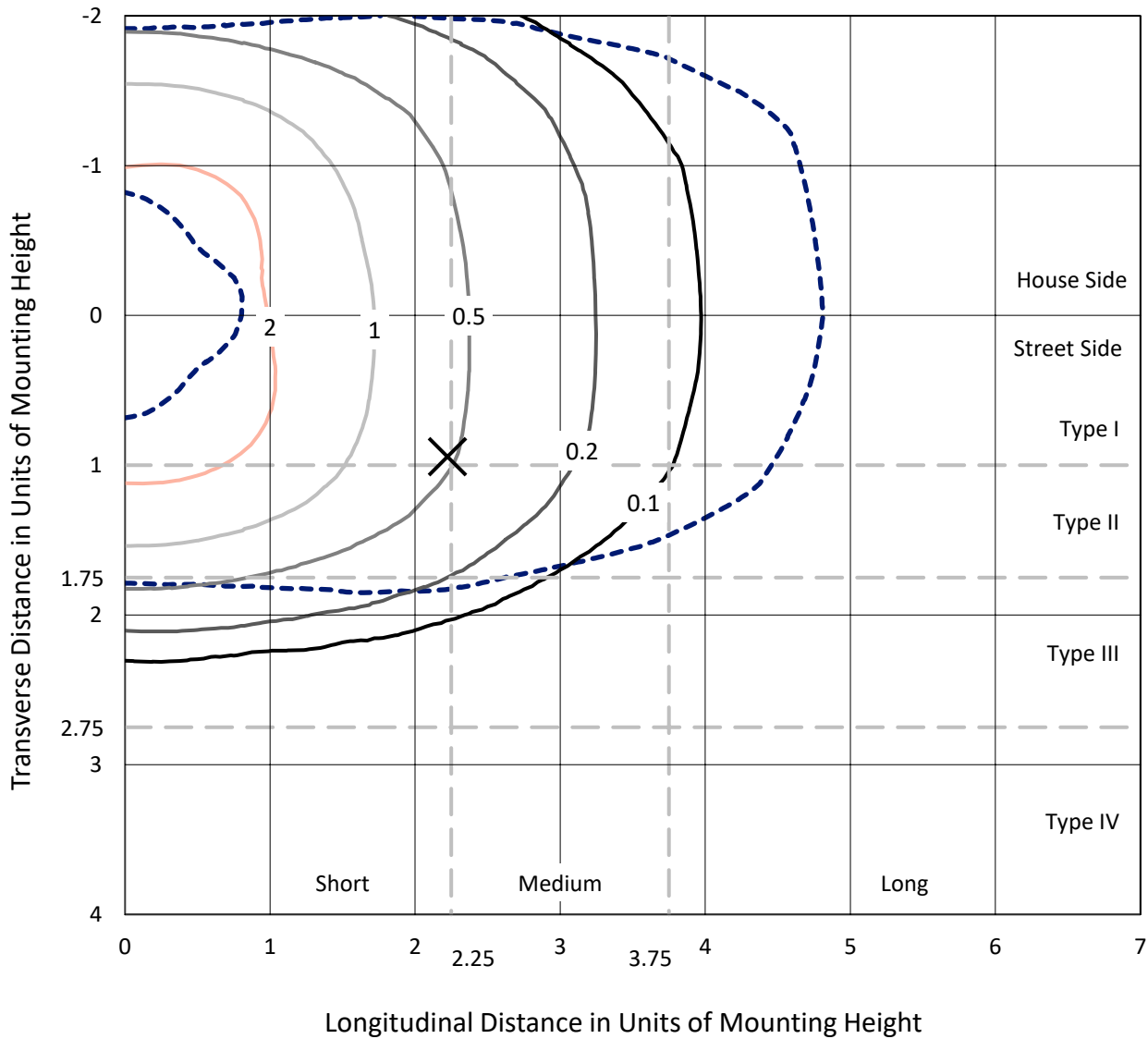


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Iso-Footcandle Lines of Horizontal Illumination

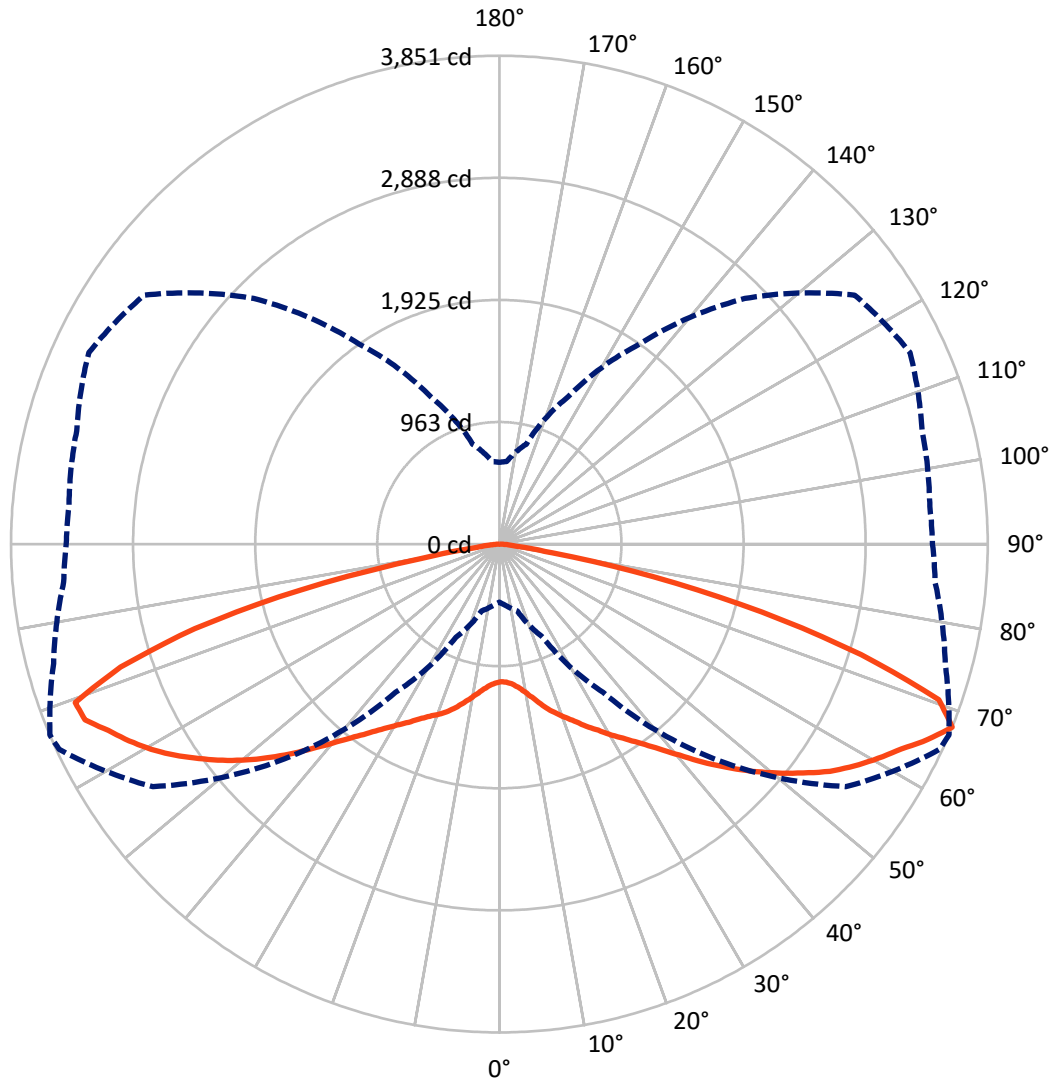
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.1 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	5294.7	0.0	5294.7
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	5412.9	0.0	5412.9
	% Fixture	50.6	0.0	50.6
Total	Lumens	10707.6	0.0	10707.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	1.0
10°-20°	359.4	3.4
20°-30°	705.1	6.6
30°-40°	1201.2	11.2
40°-50°	1928.9	18.0
50°-60°	2621.0	24.5
60°-70°	2507.2	23.4
70°-80°	1192.0	11.1
80°-90°	86.4	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°	10707.6	100.0
0°-180°	10707.6	100.0

Coefficient of Utilization



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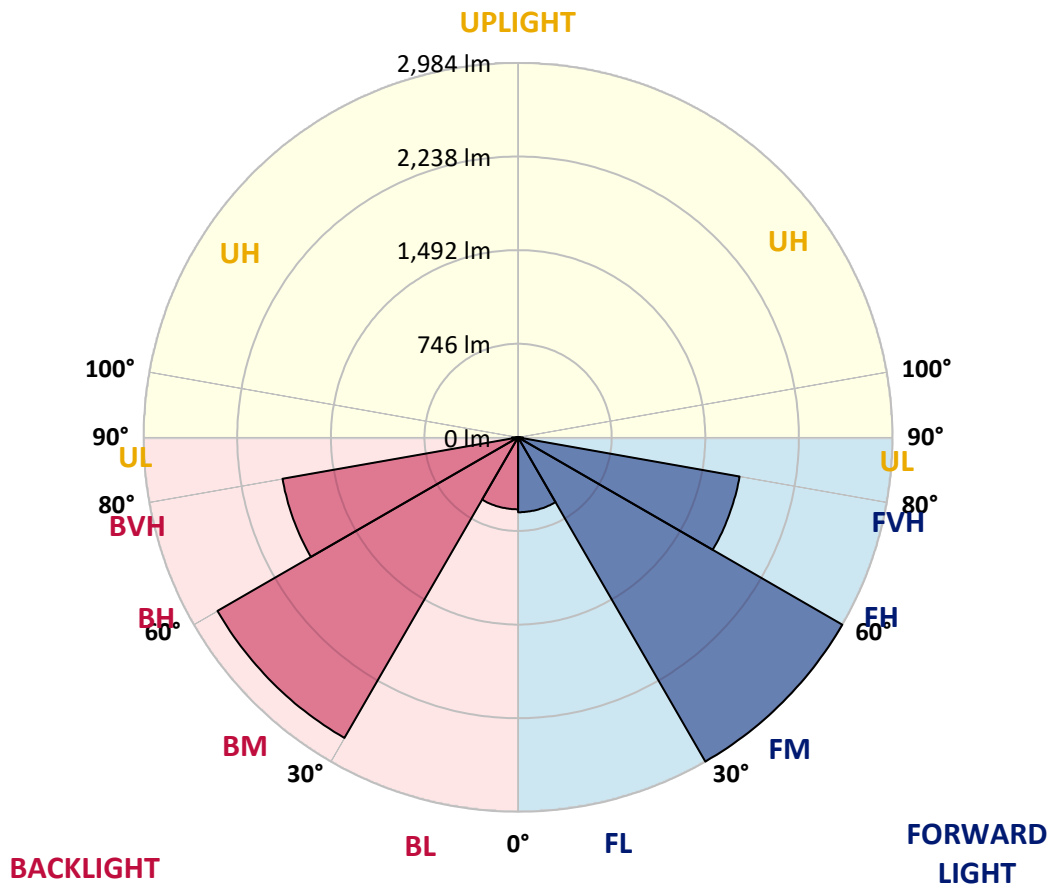
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.0	5.6			
FM (30°-60°)	2984.3	27.9			
FH (60°-80°)	1792.7	16.7			G1/1800
FVH (80°-90°)	38.8	0.4			G1/100
BL (0°-30°)	573.8	5.4	B2/1000		
BM (30°-60°)	2766.9	25.8	B3/5000		
BH (60°-80°)	1906.5	17.8	B3/2500		G3/2500
BVH (80°-90°)	47.6	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°	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2
2.5°	1061.8	1063.3	1065.6	1070.0	1074.5	1081.2	1087.9	1087.2	1090.2	1092.4	1094.6
5°	1055.9	1057.4	1061.1	1067.1	1073.8	1084.9	1099.1	1105.1	1109.6	1117.8	1125.2
7.5°	1068.5	1071.5	1076.7	1084.9	1095.4	1109.6	1128.9	1139.4	1146.1	1161.0	1173.7
10°	1085.7	1089.4	1099.9	1115.5	1131.2	1152.8	1177.4	1193.1	1197.5	1216.9	1240.8
12.5°	1102.1	1106.6	1123.7	1152.1	1180.4	1209.5	1238.6	1257.9	1259.4	1285.5	1312.4
15°	1128.2	1131.9	1155.0	1191.6	1234.8	1275.1	1310.9	1324.3	1330.3	1348.9	1382.5
17.5°	1185.6	1190.1	1219.9	1259.4	1304.9	1347.4	1383.2	1394.4	1394.4	1410.1	1437.7
20°	1247.5	1252.0	1291.5	1342.2	1397.4	1440.6	1468.2	1457.8	1454.1	1458.5	1477.9
22.5°	1316.9	1325.1	1363.1	1422.0	1489.8	1542.8	1557.0	1525.6	1515.2	1504.8	1509.2
25°	1405.6	1415.3	1452.6	1515.2	1581.6	1637.5	1645.7	1597.2	1591.3	1554.7	1541.3
27.5°	1507.7	1515.2	1561.4	1623.3	1685.2	1732.2	1741.1	1681.5	1661.4	1610.6	1579.3
30°	1639.7	1646.4	1686.7	1747.9	1801.5	1834.3	1845.5	1763.5	1747.9	1670.3	1621.8
32.5°	1783.6	1786.6	1827.6	1886.5	1934.3	1965.6	1949.9	1854.5	1831.4	1744.1	1677.8
35°	1948.4	1948.4	2001.4	2049.1	2087.1	2096.1	2066.3	1957.4	1930.5	1835.8	1753.1
37.5°	2110.2	2114.7	2163.9	2220.6	2254.2	2252.7	2198.2	2078.9	2048.4	1945.5	1853.7
40°	2285.5	2295.2	2344.4	2407.8	2439.8	2435.4	2351.8	2219.1	2187.8	2066.3	1976.8
42.5°	2446.5	2462.2	2519.6	2584.5	2619.5	2616.6	2529.3	2380.2	2349.6	2212.4	2122.9
45°	2574.8	2591.2	2662.8	2753.0	2808.9	2803.7	2715.7	2547.2	2509.9	2366.0	2267.6
47.5°	2687.4	2704.5	2784.3	2879.8	2968.5	2977.5	2896.9	2715.7	2676.2	2530.8	2419.7
50°	2773.9	2782.1	2871.6	2976.0	3078.9	3128.8	3058.7	2885.0	2837.3	2693.4	2568.1
52.5°	2767.2	2778.4	2888.7	3030.4	3168.4	3250.4	3201.9	3044.6	2998.3	2841.7	2719.5
55°	2630.7	2641.9	2773.1	2979.7	3218.3	3339.1	3333.9	3196.7	3163.1	2993.1	2876.8
57.5°	2431.6	2456.2	2586.7	2809.7	3152.7	3409.9	3430.8	3335.4	3300.3	3141.5	3032.6
60°	2075.2	2108.0	2258.6	2548.0	2942.4	3386.1	3534.5	3452.5	3430.8	3279.5	3173.6
62.5°	1507.7	1531.6	1732.2	2111.7	2630.7	3216.1	3621.7	3573.3	3556.8	3403.2	3301.1
65°	903.0	957.4	1118.5	1493.6	2122.2	2895.4	3574.0	3731.3	3714.2	3530.7	3409.9
67.5°	457.1	481.7	545.1	809.8	1427.2	2395.8	3334.6	3829.8	3850.6	3639.6	3448.7
70°	283.4	290.1	308.0	399.7	712.9	1574.1	2726.9	3573.3	3675.4	3622.5	3348.1
72.5°	227.4	228.9	231.9	249.1	342.3	736.0	1724.0	2798.5	2982.7	3383.1	3204.1
75°	188.7	189.4	190.1	195.4	213.3	300.5	838.9	1923.1	2138.6	2875.3	2970.7
77.5°	151.4	147.6	150.6	152.9	157.3	167.8	289.3	1026.0	1244.5	1887.3	2297.4
80°	98.4	96.9	102.9	105.1	109.6	116.3	154.4	348.2	422.8	686.8	730.8
82.5°	52.9	50.0	62.6	60.4	62.6	67.9	91.0	127.5	143.2	207.3	175.2
85°	16.4	16.4	17.2	20.1	24.6	23.9	39.5	62.6	69.3	88.7	65.6
87.5°	3.0	3.0	3.0	3.0	3.0	3.7	8.2	12.7	17.2	30.6	23.1
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°	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2
2.5°	1099.1	1092.4	1096.1	1098.4	1097.6	1096.1	1088.7	1087.2	1083.5	1077.5	1076.0
5°	1131.9	1124.5	1125.2	1123.0	1115.5	1105.8	1089.4	1081.2	1074.5	1067.1	1066.3
7.5°	1183.4	1175.2	1172.9	1162.5	1141.6	1119.3	1093.2	1078.2	1067.1	1057.4	1055.9
10°	1249.0	1240.8	1233.3	1208.7	1174.4	1144.6	1110.3	1088.7	1072.3	1060.3	1058.1
12.5°	1322.1	1315.4	1296.7	1260.9	1219.9	1184.9	1149.8	1123.0	1099.1	1081.2	1079.0
15°	1403.4	1388.4	1360.1	1313.9	1275.1	1246.8	1204.3	1167.7	1129.7	1105.8	1100.6
17.5°	1460.0	1447.3	1413.8	1369.1	1338.5	1313.9	1263.9	1211.7	1160.3	1125.2	1117.8
20°	1500.3	1486.9	1448.8	1416.0	1406.3	1385.5	1327.3	1266.9	1207.2	1164.0	1154.3
22.5°	1529.4	1515.2	1476.4	1460.0	1473.4	1469.7	1413.0	1344.4	1273.6	1222.2	1210.2
25°	1557.0	1543.5	1509.2	1515.2	1551.0	1562.2	1501.0	1421.2	1340.7	1280.3	1266.1
27.5°	1583.1	1565.9	1550.2	1583.1	1633.8	1654.6	1589.8	1499.5	1412.3	1350.4	1339.2
30°	1623.3	1603.2	1601.0	1648.7	1729.2	1747.1	1675.5	1585.3	1498.8	1436.2	1422.0
32.5°	1674.0	1655.4	1656.9	1728.5	1821.7	1836.6	1775.4	1691.2	1604.7	1542.0	1522.7
35°	1742.6	1719.5	1732.2	1820.2	1914.1	1941.7	1892.5	1822.4	1738.2	1674.0	1652.4
37.5°	1837.3	1803.8	1829.9	1922.3	2017.0	2058.0	2020.0	1967.8	1884.3	1819.4	1799.3
40°	1958.1	1930.5	1941.0	2043.1	2140.8	2190.0	2166.2	2114.7	2032.0	1964.1	1941.0
42.5°	2101.3	2073.7	2070.0	2178.8	2276.5	2351.1	2328.0	2281.0	2195.3	2117.7	2095.3
45°	2241.5	2216.1	2221.4	2332.5	2442.1	2523.3	2500.2	2445.1	2351.8	2262.4	2244.5
47.5°	2387.6	2366.8	2371.2	2489.0	2609.8	2691.1	2662.0	2594.9	2486.1	2390.6	2369.0
50°	2537.5	2513.7	2520.4	2644.1	2774.6	2851.4	2806.7	2707.5	2587.5	2494.3	2475.6
52.5°	2686.6	2658.3	2675.5	2792.5	2927.5	2988.6	2905.9	2785.8	2669.5	2577.0	2556.2
55°	2858.2	2828.3	2809.7	2935.0	3068.4	3093.8	2980.4	2840.3	2702.3	2597.2	2584.5
57.5°	3014.7	2989.4	2954.3	3079.6	3178.0	3159.4	3037.9	2825.3	2622.5	2487.6	2469.7
60°	3154.9	3133.3	3102.7	3209.4	3254.1	3212.3	2991.6	2648.6	2425.7	2284.7	2276.5
62.5°	3283.9	3260.8	3232.5	3323.5	3317.5	3220.5	2781.3	2377.2	2078.9	1927.6	1914.1
65°	3386.1	3365.2	3357.0	3428.6	3418.9	3060.2	2454.0	1932.8	1518.9	1348.2	1343.0
67.5°	3415.2	3407.0	3451.0	3572.5	3421.1	2738.1	1924.6	1281.8	815.8	654.0	644.3
70°	3306.3	3305.6	3431.6	3605.3	3110.9	2091.6	1135.7	577.9	410.1	363.9	357.9
72.5°	3164.6	3162.4	3262.3	3110.2	2307.1	1144.6	478.0	309.5	256.5	243.8	243.8
75°	2932.0	2926.0	3001.3	2366.0	1297.5	431.0	253.5	212.5	201.3	199.1	199.1
77.5°	2389.9	2339.9	2221.4	1462.3	452.6	211.8	167.8	167.0	160.3	159.6	159.6
80°	785.9	785.9	913.4	557.8	199.8	130.5	118.6	124.5	117.8	113.3	112.6
82.5°	128.3	176.7	251.3	159.6	108.1	81.3	73.1	77.5	81.3	64.9	64.9
85°	50.7	66.4	96.9	74.6	50.0	32.8	35.0	38.8	34.3	29.8	29.1
87.5°	19.4	23.9	34.3	17.9	10.4	6.0	3.7	3.7	3.0	3.0	3.0
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)