

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: P634233

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634233
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-735-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10560.8 lumens
Efficiency: N/A
Efficacy: 154.6 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

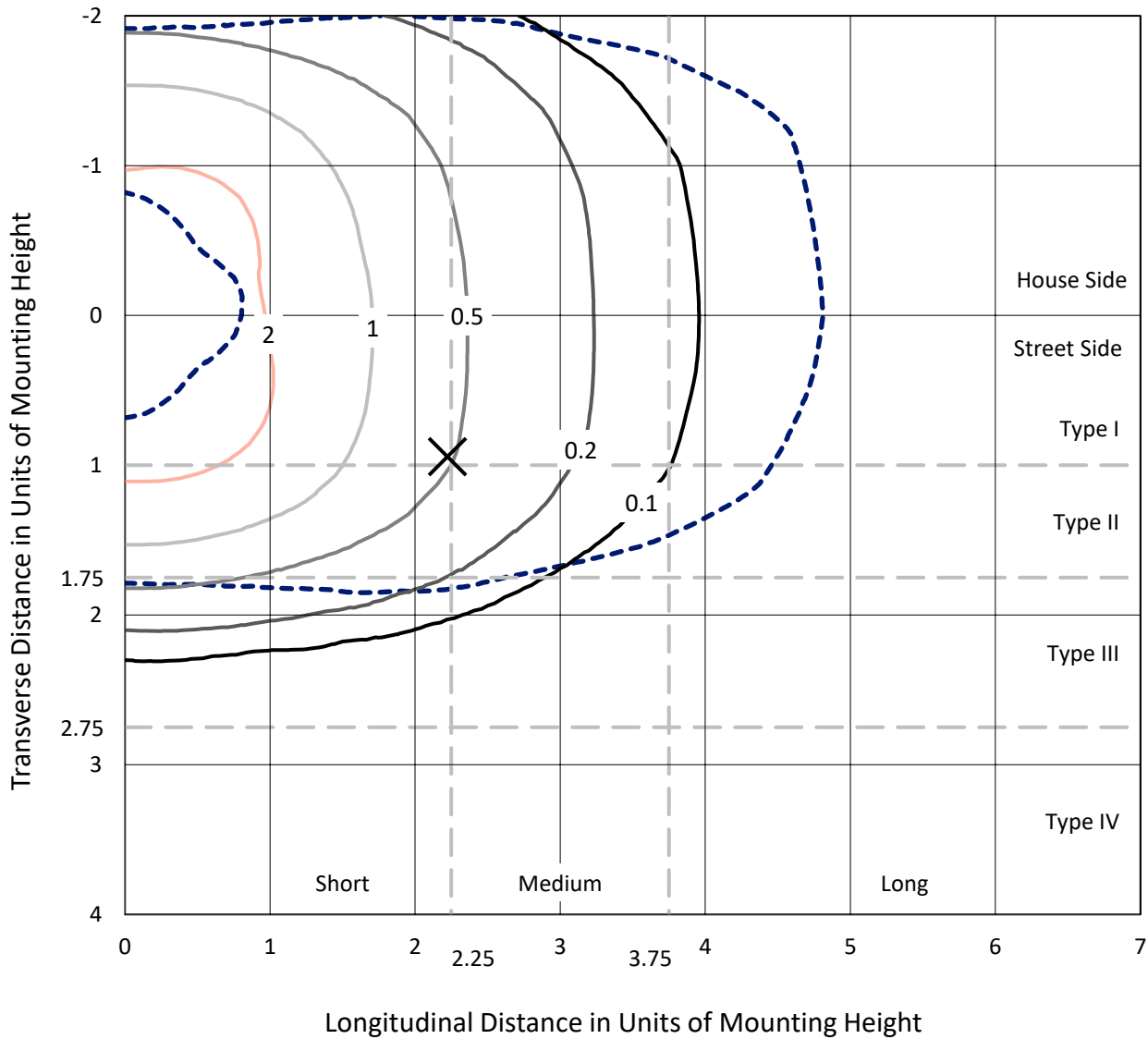


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Iso-Footcandle Lines of Horizontal Illumination

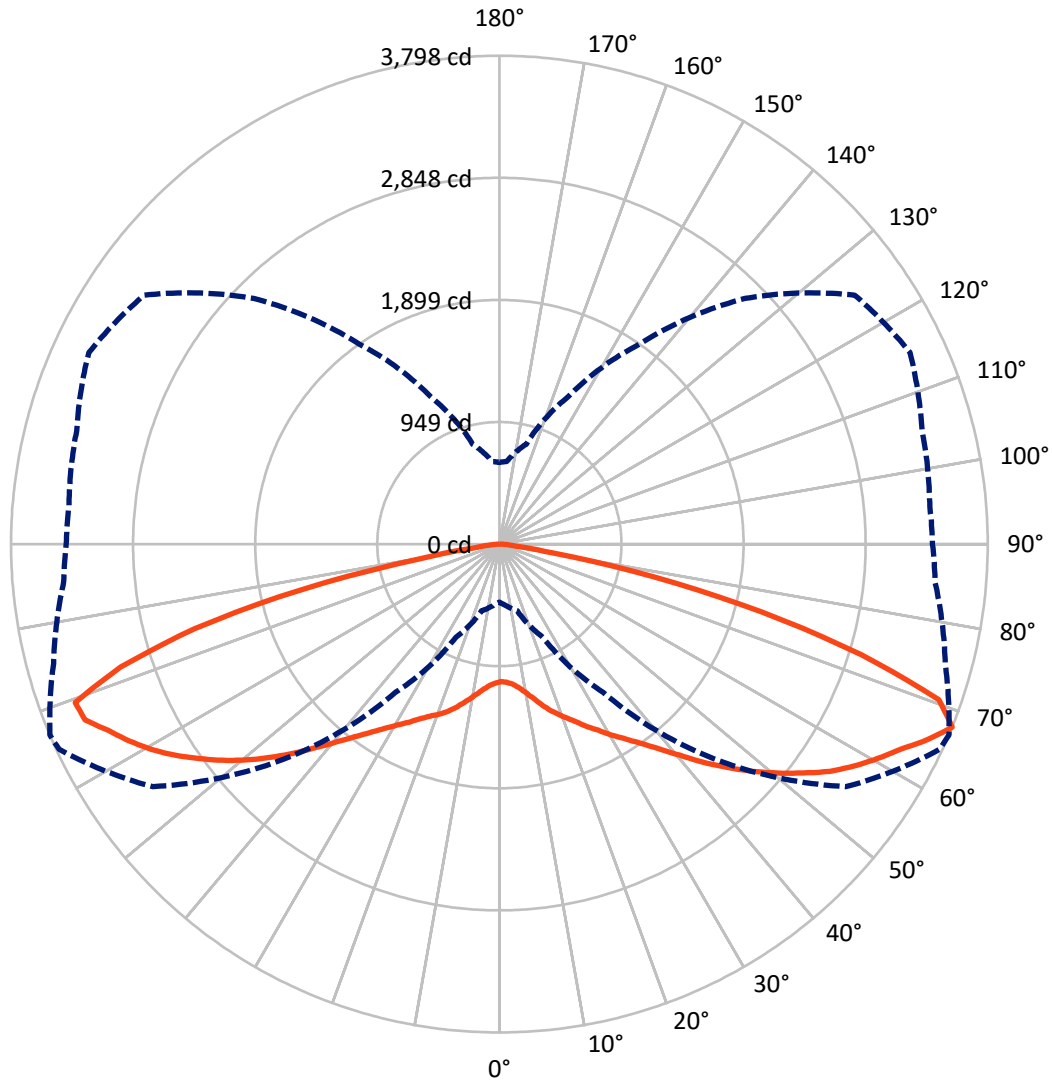
✕ Max cd
 - - - 1/2 Max cd



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	5222.1	0.0	5222.1
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	5338.7	0.0	5338.7
	% Fixture	50.6	0.0	50.6
Total	Lumens	10560.8	0.0	10560.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	1.0
10°-20°	354.4	3.4
20°-30°	695.4	6.6
30°-40°	1184.8	11.2
40°-50°	1902.5	18.0
50°-60°	2585.1	24.5
60°-70°	2472.8	23.4
70°-80°	1175.7	11.1
80°-90°	85.2	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°	10560.8	100.0
0°-180°	10560.8	100.0

Coefficient of Utilization



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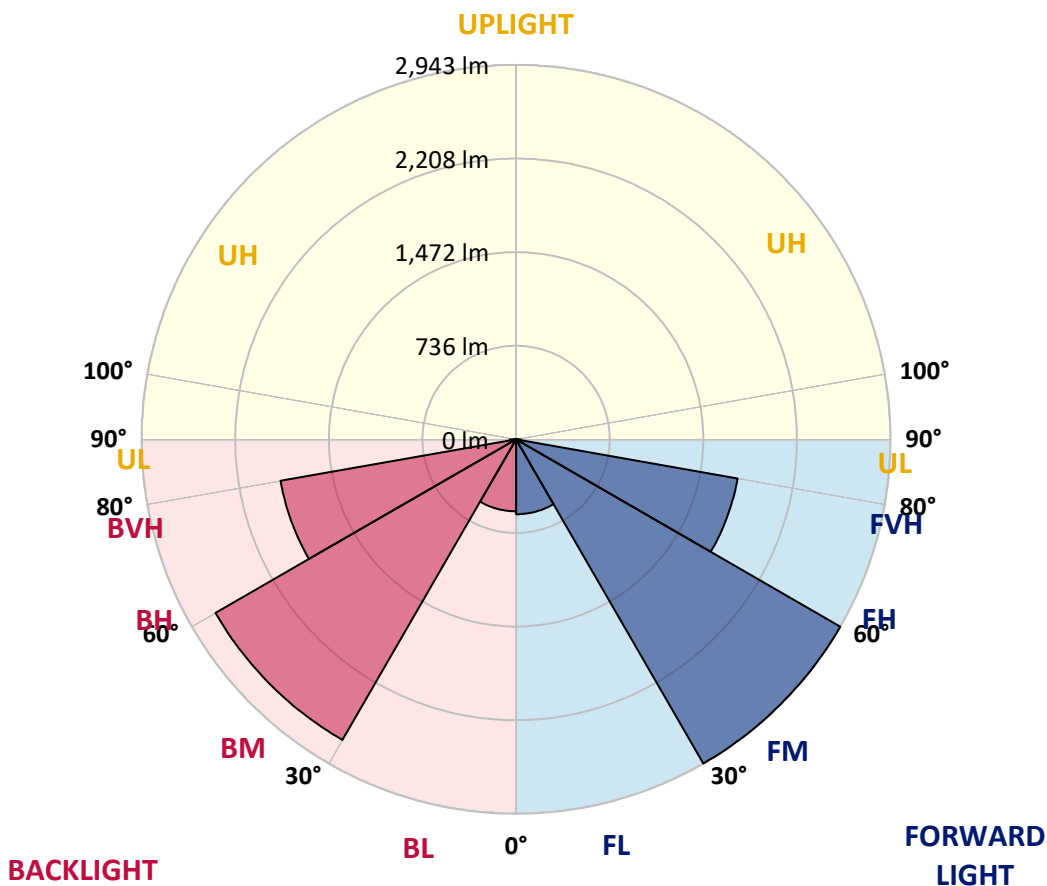
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.8	5.6			
FM (30°-60°)	2943.4	27.9			
FH (60°-80°)	1768.2	16.7			G1/1800
FVH (80°-90°)	38.3	0.4			G1/100
BL (0°-30°)	565.9	5.4	B2/1000		
BM (30°-60°)	2729.0	25.8	B3/5000		
BH (60°-80°)	1880.3	17.8	B3/2500		G3/2500
BVH (80°-90°)	46.9	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°	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3
2.5°	1047.3	1048.7	1051.0	1055.4	1059.8	1066.4	1073.0	1072.3	1075.2	1077.4	1079.6
5°	1041.4	1042.9	1046.5	1052.4	1059.0	1070.1	1084.0	1089.9	1094.3	1102.4	1109.8
7.5°	1053.9	1056.8	1062.0	1070.1	1080.4	1094.3	1113.5	1123.8	1130.4	1145.1	1157.6
10°	1070.8	1074.5	1084.8	1100.2	1115.7	1137.0	1161.3	1176.7	1181.1	1200.2	1223.8
12.5°	1087.0	1091.4	1108.3	1136.3	1164.2	1192.9	1221.6	1240.7	1242.2	1267.9	1294.4
15°	1112.7	1116.4	1139.2	1175.2	1217.9	1257.6	1292.9	1306.2	1312.0	1330.4	1363.5
17.5°	1169.4	1173.8	1203.2	1242.2	1287.0	1329.0	1364.3	1375.3	1375.3	1390.7	1417.9
20°	1230.4	1234.8	1273.8	1323.8	1378.2	1420.9	1448.1	1437.8	1434.1	1438.5	1457.7
22.5°	1298.8	1306.9	1344.4	1402.5	1469.4	1521.6	1535.6	1504.7	1494.4	1484.1	1488.5
25°	1386.3	1395.9	1432.7	1494.4	1559.9	1615.0	1623.1	1575.3	1569.4	1533.4	1520.2
27.5°	1487.1	1494.4	1540.0	1601.1	1662.1	1708.4	1717.3	1658.4	1638.6	1588.6	1557.7
30°	1617.2	1623.9	1663.6	1723.9	1776.8	1809.2	1820.2	1739.3	1723.9	1647.4	1599.6
32.5°	1759.2	1762.1	1802.6	1860.7	1907.7	1938.6	1923.2	1829.1	1806.3	1720.2	1654.8
35°	1921.7	1921.7	1973.9	2021.0	2058.5	2067.3	2037.9	1930.5	1904.1	1810.7	1729.0
37.5°	2081.3	2085.7	2134.3	2190.2	2223.3	2221.8	2168.1	2050.4	2020.3	1918.8	1828.3
40°	2254.1	2263.7	2312.2	2374.8	2406.4	2402.0	2319.6	2188.7	2157.8	2037.9	1949.7
42.5°	2413.0	2428.4	2485.1	2549.1	2583.6	2580.7	2494.6	2347.5	2317.4	2182.1	2093.8
45°	2539.5	2555.7	2626.3	2715.3	2770.4	2765.3	2678.5	2512.3	2475.5	2333.6	2236.5
47.5°	2650.6	2667.5	2746.2	2840.3	2927.8	2936.6	2857.2	2678.5	2639.5	2496.1	2386.5
50°	2735.9	2744.0	2832.2	2935.2	3036.7	3085.9	3016.8	2845.4	2798.4	2656.4	2532.9
52.5°	2729.2	2740.3	2849.1	2988.9	3124.9	3205.8	3158.0	3002.8	2957.2	2802.8	2682.2
55°	2594.7	2605.7	2735.1	2938.8	3174.2	3293.3	3288.2	3152.9	3119.8	2952.1	2837.4
57.5°	2398.3	2422.6	2551.3	2771.2	3109.5	3363.2	3383.8	3289.7	3255.1	3098.4	2991.1
60°	2046.7	2079.1	2227.7	2513.0	2902.1	3339.7	3486.0	3405.1	3383.8	3234.5	3130.1
62.5°	1487.1	1510.6	1708.4	2082.8	2594.7	3172.0	3572.1	3524.3	3508.1	3356.6	3255.8
65°	890.6	944.3	1103.2	1473.1	2093.1	2855.7	3525.0	3680.2	3663.3	3482.3	3363.2
67.5°	450.8	475.1	537.6	798.7	1407.6	2363.0	3288.9	3777.3	3797.8	3589.7	3401.4
70°	279.5	286.1	303.7	394.2	703.1	1552.5	2689.5	3524.3	3625.0	3572.8	3302.2
72.5°	224.3	225.8	228.7	245.6	337.6	725.9	1700.4	2760.1	2941.8	3336.7	3160.2
75°	186.1	186.8	187.5	192.7	210.3	296.4	827.4	1896.7	2109.3	2835.9	2930.0
77.5°	149.3	145.6	148.6	150.8	155.2	165.5	285.4	1012.0	1227.5	1861.4	2265.9
80°	97.1	95.6	101.5	103.7	108.1	114.7	152.2	343.5	417.0	677.3	720.7
82.5°	52.2	49.3	61.8	59.6	61.8	66.9	89.7	125.8	141.2	204.5	172.8
85°	16.2	16.2	16.9	19.9	24.3	23.5	39.0	61.8	68.4	87.5	64.7
87.5°	2.9	2.9	2.9	2.9	2.9	3.7	8.1	12.5	16.9	30.2	22.8
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°	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3	1069.3
2.5°	1084.0	1077.4	1081.1	1083.3	1082.6	1081.1	1073.8	1072.3	1068.6	1062.7	1061.2
5°	1116.4	1109.1	1109.8	1107.6	1100.2	1090.7	1074.5	1066.4	1059.8	1052.4	1051.7
7.5°	1167.2	1159.1	1156.9	1146.6	1126.0	1103.9	1078.2	1063.5	1052.4	1042.9	1041.4
10°	1231.9	1223.8	1216.4	1192.2	1158.3	1128.9	1095.1	1073.8	1057.6	1045.8	1043.6
12.5°	1303.9	1297.3	1278.9	1243.6	1203.2	1168.6	1134.1	1107.6	1084.0	1066.4	1064.2
15°	1384.1	1369.4	1341.5	1295.9	1257.6	1229.7	1187.7	1151.7	1114.2	1090.7	1085.5
17.5°	1440.0	1427.5	1394.4	1350.3	1320.1	1295.9	1246.6	1195.1	1144.4	1109.8	1102.4
20°	1479.7	1466.5	1429.0	1396.6	1387.1	1366.5	1309.1	1249.5	1190.7	1148.0	1138.5
22.5°	1508.4	1494.4	1456.2	1440.0	1453.2	1449.6	1393.7	1326.0	1256.1	1205.4	1193.6
25°	1535.6	1522.4	1488.5	1494.4	1529.7	1540.8	1480.5	1401.8	1322.3	1262.8	1248.8
27.5°	1561.4	1544.4	1529.0	1561.4	1611.4	1632.0	1568.0	1479.0	1392.9	1331.9	1320.9
30°	1601.1	1581.2	1579.0	1626.1	1705.5	1723.2	1652.5	1563.6	1478.2	1416.5	1402.5
32.5°	1651.1	1632.7	1634.2	1704.8	1796.7	1811.4	1751.1	1668.0	1582.7	1520.9	1501.8
35°	1718.7	1695.9	1708.4	1795.2	1887.9	1915.1	1866.6	1797.4	1714.3	1651.1	1629.8
37.5°	1812.1	1779.0	1804.8	1896.0	1989.4	2029.8	1992.3	1940.8	1858.5	1794.5	1774.6
40°	1931.3	1904.1	1914.4	2015.1	2111.5	2160.0	2136.5	2085.7	2004.1	1937.2	1914.4
42.5°	2072.5	2045.3	2041.6	2149.0	2245.3	2318.9	2296.1	2249.7	2165.2	2088.7	2066.6
45°	2210.8	2185.7	2190.9	2300.5	2408.6	2488.8	2466.0	2411.5	2319.6	2231.3	2213.7
47.5°	2354.9	2334.3	2338.7	2454.9	2574.1	2654.2	2625.5	2559.4	2452.0	2357.8	2336.5
50°	2502.7	2479.2	2485.8	2607.9	2736.6	2812.3	2768.2	2670.4	2552.0	2460.1	2441.7
52.5°	2649.8	2621.9	2638.8	2754.2	2887.4	2947.7	2866.0	2747.6	2632.9	2541.7	2521.1
55°	2819.0	2789.6	2771.2	2894.7	3026.4	3051.4	2939.6	2801.3	2665.3	2561.6	2549.1
57.5°	2973.4	2948.4	2913.8	3037.4	3134.5	3116.1	2996.2	2786.6	2586.6	2453.5	2435.8
60°	3111.7	3090.3	3060.2	3165.4	3209.5	3168.3	2950.6	2612.3	2392.4	2253.4	2245.3
62.5°	3238.9	3216.1	3188.2	3277.9	3272.0	3176.4	2743.2	2344.6	2050.4	1901.1	1887.9
65°	3339.7	3319.1	3311.0	3381.6	3372.0	3018.3	2420.4	1906.3	1498.1	1329.7	1324.5
67.5°	3368.3	3360.3	3403.6	3523.5	3374.2	2700.6	1898.2	1264.2	804.6	645.0	635.4
70°	3261.0	3260.2	3384.5	3555.9	3068.3	2062.9	1120.1	570.0	404.5	358.9	353.0
72.5°	3121.2	3119.0	3217.6	3067.5	2275.5	1128.9	471.4	305.2	253.0	240.5	240.5
75°	2891.8	2885.9	2960.2	2333.6	1279.7	425.1	250.1	209.6	198.6	196.4	196.4
77.5°	2357.1	2307.8	2190.9	1442.2	446.4	208.9	165.5	164.7	158.1	157.4	157.4
80°	775.2	775.2	900.9	550.1	197.1	128.7	116.9	122.8	116.2	111.8	111.1
82.5°	126.5	174.3	247.8	157.4	106.6	80.2	72.1	76.5	80.2	64.0	64.0
85°	50.0	65.5	95.6	73.5	49.3	32.4	34.6	38.2	33.8	29.4	28.7
87.5°	19.1	23.5	33.8	17.7	10.3	5.9	3.7	3.7	2.9	2.9	2.9
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)