

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: P634398

Luminaire Tested: GWS-SA3B-760-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634398
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-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10802.8 lumens
Efficiency: N/A
Efficacy: 158.2 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

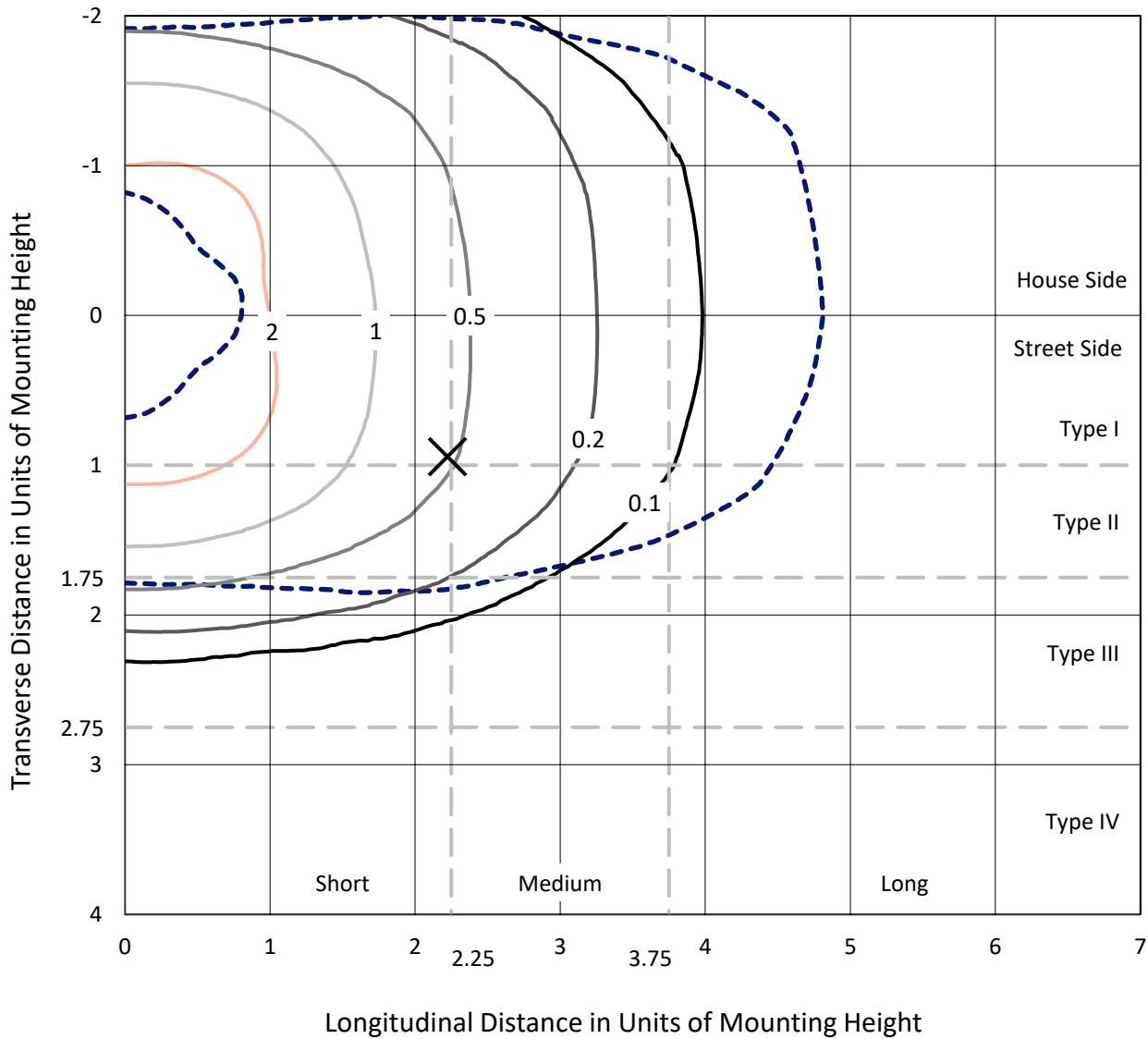
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

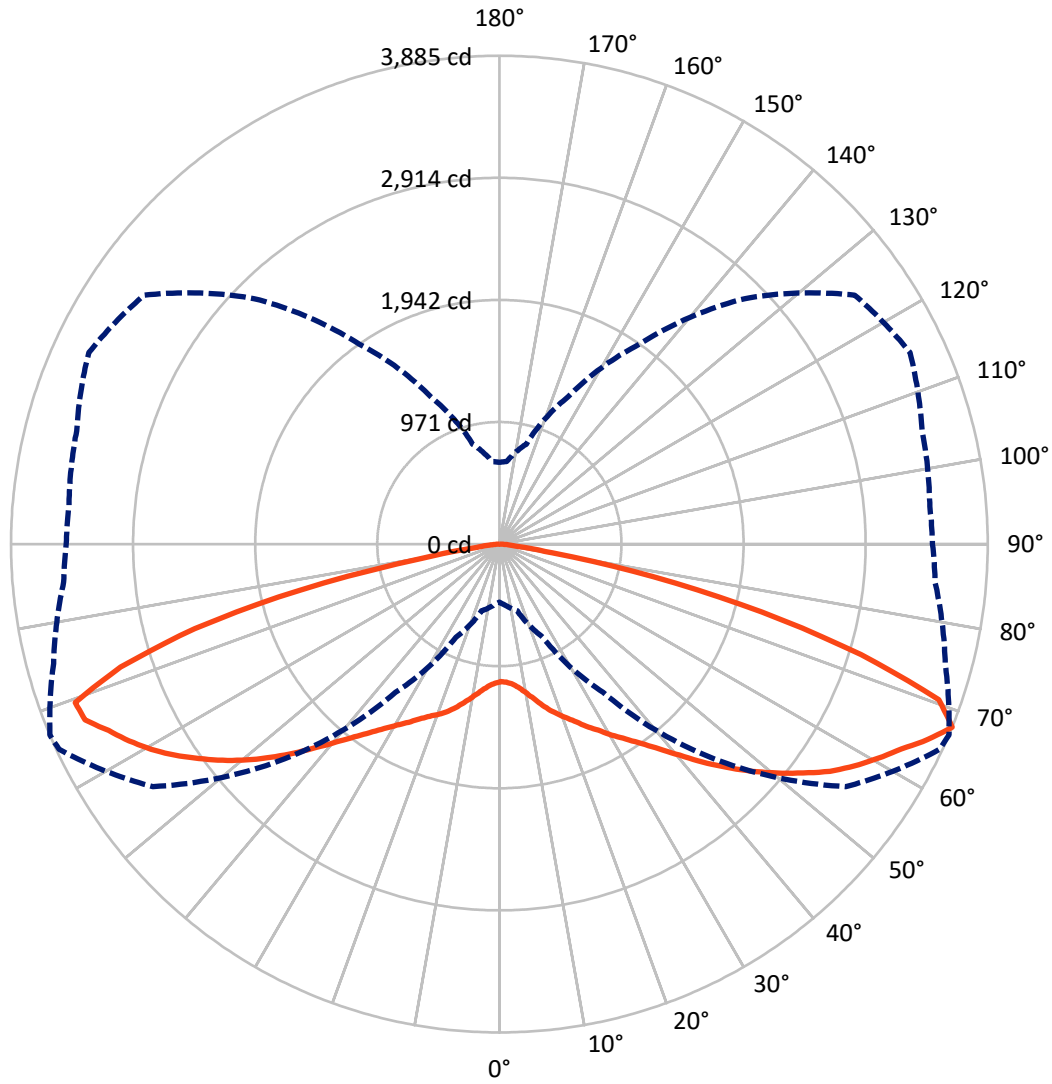
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 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	5341.8	0.0	5341.8
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	5461.0	0.0	5461.0
	% Fixture	50.6	0.0	50.6
Total	Lumens	10802.8	0.0	10802.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	1.0
10°-20°	362.6	3.4
20°-30°	711.4	6.6
30°-40°	1211.9	11.2
40°-50°	1946.1	18.0
50°-60°	2644.3	24.5
60°-70°	2529.5	23.4
70°-80°	1202.6	11.1
80°-90°	87.2	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°	10802.8	100.0
0°-180°	10802.8	100.0

Coefficient of Utilization



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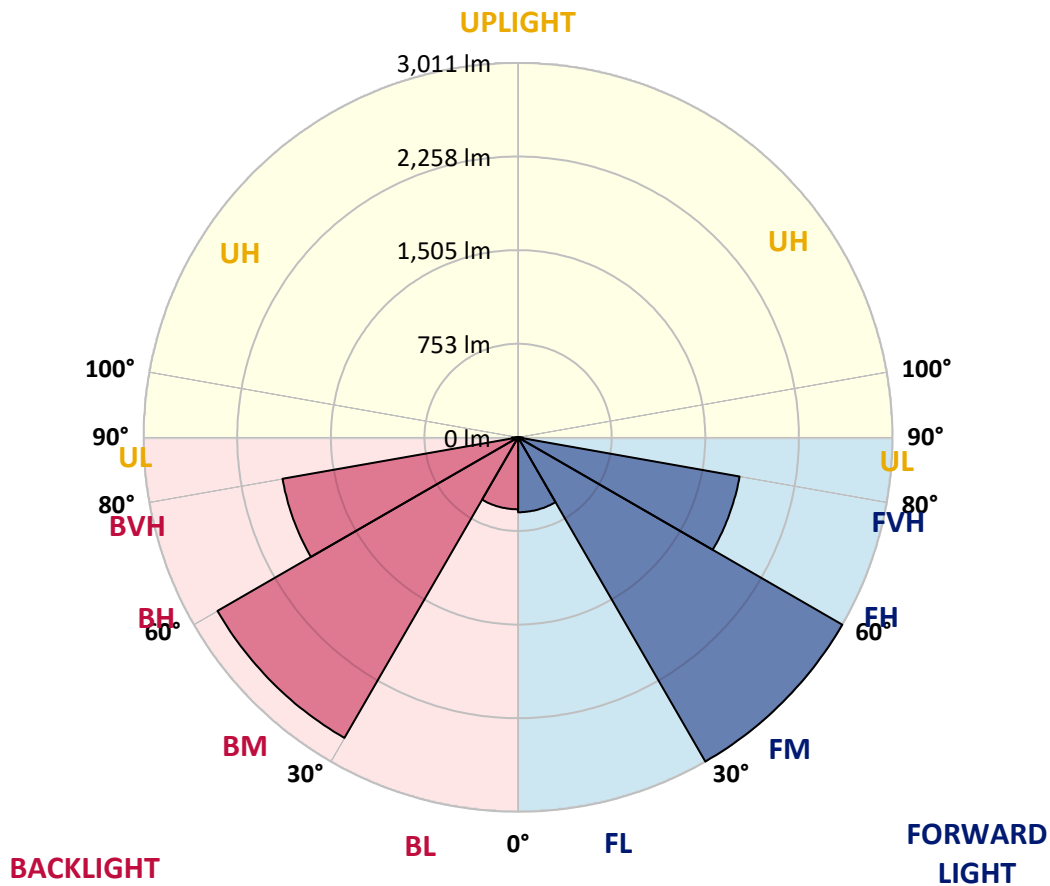
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.3	5.6			
FM (30°-60°)	3010.8	27.9			
FH (60°-80°)	1808.7	16.7			G2/5000
FVH (80°-90°)	39.2	0.4			G1/100
BL (0°-30°)	578.9	5.4	B2/1000		
BM (30°-60°)	2791.5	25.8	B3/5000		
BH (60°-80°)	1923.4	17.8	B3/2500		G3/2500
BVH (80°-90°)	48.0	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°	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8
2.5°	1071.3	1072.8	1075.0	1079.6	1084.1	1090.8	1097.6	1096.9	1099.9	1102.1	1104.4
5°	1065.3	1066.8	1070.5	1076.5	1083.3	1094.6	1108.9	1114.9	1119.4	1127.7	1135.2
7.5°	1078.0	1081.1	1086.3	1094.6	1105.1	1119.4	1139.0	1149.5	1156.3	1171.3	1184.1
10°	1095.3	1099.1	1109.6	1125.4	1141.2	1163.1	1187.9	1203.7	1208.2	1227.8	1251.8
12.5°	1111.9	1116.4	1133.7	1162.3	1190.9	1220.2	1249.6	1269.1	1270.6	1297.0	1324.0
15°	1138.2	1142.0	1165.3	1202.2	1245.8	1286.4	1322.5	1336.1	1342.1	1360.9	1394.8
17.5°	1196.2	1200.7	1230.8	1270.6	1316.5	1359.4	1395.5	1406.8	1406.8	1422.6	1450.4
20°	1258.6	1263.1	1303.0	1354.1	1409.8	1453.4	1481.3	1470.7	1467.0	1471.5	1491.1
22.5°	1328.6	1336.8	1375.2	1434.6	1503.1	1556.5	1570.8	1539.2	1528.7	1518.1	1522.7
25°	1418.1	1427.9	1465.5	1528.7	1595.6	1652.1	1660.3	1611.4	1605.4	1568.5	1555.0
27.5°	1521.1	1528.7	1575.3	1637.8	1700.2	1747.6	1756.6	1696.4	1676.1	1625.0	1593.4
30°	1654.3	1661.1	1701.7	1763.4	1817.6	1850.7	1861.9	1779.2	1763.4	1685.2	1636.3
32.5°	1799.5	1802.5	1843.9	1903.3	1951.5	1983.1	1967.3	1871.0	1847.6	1759.6	1692.7
35°	1965.8	1965.8	2019.2	2067.3	2105.7	2114.7	2084.6	1974.8	1947.7	1852.2	1768.7
37.5°	2129.0	2133.5	2183.2	2240.3	2274.2	2272.7	2217.8	2097.4	2066.6	1962.7	1870.2
40°	2305.8	2315.6	2365.2	2429.2	2461.5	2457.0	2372.8	2238.8	2207.2	2084.6	1994.3
42.5°	2468.3	2484.1	2542.0	2607.5	2642.8	2639.8	2551.8	2401.3	2370.5	2232.1	2141.8
45°	2597.7	2614.2	2686.5	2777.5	2833.9	2828.6	2739.9	2569.9	2532.2	2387.0	2287.7
47.5°	2711.3	2728.6	2809.1	2905.4	2994.9	3003.9	2922.7	2739.9	2700.0	2553.3	2441.2
50°	2798.6	2806.8	2897.1	3002.4	3106.2	3156.6	3085.9	2910.6	2862.5	2717.3	2590.9
52.5°	2791.8	2803.1	2914.4	3057.3	3196.5	3279.3	3230.4	3071.6	3025.0	2867.0	2743.6
55°	2654.1	2665.4	2797.8	3006.2	3246.9	3368.8	3363.5	3225.1	3191.3	3019.7	2902.4
57.5°	2453.2	2478.1	2609.7	2834.7	3180.7	3440.3	3461.3	3365.0	3329.7	3169.4	3059.6
60°	2093.6	2126.8	2278.7	2570.6	2968.6	3416.2	3565.9	3483.1	3461.3	3308.6	3201.8
62.5°	1521.1	1545.2	1747.6	2130.5	2654.1	3244.7	3653.9	3605.0	3588.5	3433.5	3330.4
65°	911.0	966.0	1128.4	1506.9	2141.0	2921.2	3605.8	3764.5	3747.2	3562.1	3440.3
67.5°	461.2	486.0	549.9	817.0	1439.9	2417.1	3364.3	3863.8	3884.9	3672.0	3479.4
70°	285.9	292.6	310.7	403.2	719.2	1588.1	2751.2	3605.0	3708.1	3654.7	3377.8
72.5°	229.5	231.0	234.0	251.3	345.3	742.5	1739.3	2823.4	3009.2	3413.2	3232.6
75°	190.3	191.1	191.8	197.1	215.2	303.2	846.3	1940.2	2157.6	2900.9	2997.2
77.5°	152.7	149.0	152.0	154.2	158.7	169.3	291.9	1035.2	1255.6	1904.1	2317.8
80°	99.3	97.8	103.8	106.1	110.6	117.4	155.7	351.3	426.6	692.9	737.3
82.5°	53.4	50.4	63.2	60.9	63.2	68.5	91.8	128.6	144.4	209.1	176.8
85°	16.6	16.6	17.3	20.3	24.8	24.1	39.9	63.2	70.0	89.5	66.2
87.5°	3.0	3.0	3.0	3.0	3.0	3.8	8.3	12.8	17.3	30.8	23.3
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°	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8	1093.8
2.5°	1108.9	1102.1	1105.9	1108.1	1107.4	1105.9	1098.4	1096.9	1093.1	1087.1	1085.6
5°	1142.0	1134.5	1135.2	1133.0	1125.4	1115.7	1099.1	1090.8	1084.1	1076.5	1075.8
7.5°	1193.9	1185.6	1183.4	1172.8	1151.8	1129.2	1102.9	1087.8	1076.5	1066.8	1065.3
10°	1260.1	1251.8	1244.3	1219.5	1184.9	1154.8	1120.2	1098.4	1081.8	1069.8	1067.5
12.5°	1333.8	1327.1	1308.2	1272.1	1230.8	1195.4	1160.0	1133.0	1108.9	1090.8	1088.6
15°	1415.8	1400.8	1372.2	1325.6	1286.4	1257.8	1215.0	1178.1	1139.7	1115.7	1110.4
17.5°	1473.0	1460.2	1426.4	1381.2	1350.4	1325.6	1275.1	1222.5	1170.6	1135.2	1127.7
20°	1513.6	1500.1	1461.7	1428.6	1418.8	1397.8	1339.1	1278.2	1218.0	1174.3	1164.6
22.5°	1543.0	1528.7	1489.6	1473.0	1486.5	1482.8	1425.6	1356.4	1284.9	1233.0	1221.0
25°	1570.8	1557.3	1522.7	1528.7	1564.8	1576.1	1514.4	1433.9	1352.6	1291.7	1277.4
27.5°	1597.1	1579.8	1564.0	1597.1	1648.3	1669.4	1603.9	1512.9	1424.9	1362.4	1351.1
30°	1637.8	1617.4	1615.2	1663.3	1744.6	1762.6	1690.4	1599.4	1512.1	1448.9	1434.6
32.5°	1688.9	1670.1	1671.6	1743.8	1837.9	1852.9	1791.2	1706.2	1618.9	1555.8	1536.2
35°	1758.1	1734.8	1747.6	1836.4	1931.2	1959.0	1909.3	1838.6	1753.6	1688.9	1667.1
37.5°	1853.7	1819.8	1846.1	1939.4	2035.0	2076.3	2038.0	1985.3	1901.1	1835.6	1815.3
40°	1975.5	1947.7	1958.2	2061.3	2159.9	2209.5	2185.4	2133.5	2050.0	1981.6	1958.2
42.5°	2120.0	2092.1	2088.4	2198.2	2296.8	2372.0	2348.7	2301.3	2214.8	2136.5	2114.0
45°	2261.4	2235.8	2241.1	2353.2	2463.8	2545.8	2522.5	2466.8	2372.8	2282.5	2264.4
47.5°	2408.9	2387.8	2392.3	2511.2	2633.0	2715.0	2685.7	2618.0	2508.2	2411.9	2390.1
50°	2560.1	2536.0	2542.8	2667.7	2799.3	2876.8	2831.7	2731.6	2610.5	2516.4	2497.6
52.5°	2710.5	2681.9	2699.3	2817.4	2953.5	3015.2	2931.7	2810.6	2693.2	2599.9	2578.9
55°	2883.6	2853.5	2834.7	2961.1	3095.7	3121.3	3006.9	2865.5	2726.3	2620.3	2607.5
57.5°	3041.5	3016.0	2980.6	3107.0	3206.3	3187.5	3064.9	2850.5	2645.8	2509.7	2491.6
60°	3183.0	3161.2	3130.3	3237.9	3283.0	3240.9	3018.2	2672.2	2447.2	2305.0	2296.8
62.5°	3313.1	3289.8	3261.2	3353.0	3347.0	3249.2	2806.1	2398.3	2097.4	1944.7	1931.2
65°	3416.2	3395.1	3386.9	3459.1	3449.3	3087.4	2475.8	1950.0	1532.4	1360.2	1354.9
67.5°	3445.5	3437.3	3481.6	3604.3	3451.6	2762.4	1941.7	1293.2	823.0	659.8	650.0
70°	3335.7	3334.9	3462.1	3637.4	3138.6	2110.2	1145.8	583.0	413.8	367.1	361.1
72.5°	3192.8	3190.5	3291.3	3137.8	2327.6	1154.8	482.2	312.2	258.8	246.0	246.0
75°	2958.0	2952.0	3028.0	2387.0	1309.0	434.8	255.8	214.4	203.1	200.9	200.9
77.5°	2411.1	2360.7	2241.1	1475.3	456.6	213.7	169.3	168.5	161.7	161.0	161.0
80°	792.9	792.9	921.6	562.7	201.6	131.7	119.6	125.6	118.9	114.3	113.6
82.5°	129.4	178.3	253.5	161.0	109.1	82.0	73.7	78.2	82.0	65.5	65.5
85°	51.2	67.0	97.8	75.2	50.4	33.1	35.4	39.1	34.6	30.1	29.3
87.5°	19.6	24.1	34.6	18.1	10.5	6.0	3.8	3.8	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)