

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: P634343

Luminaire Tested: GWS-SA3B-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634343
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-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10952.9 lumens
Efficiency: N/A
Efficacy: 160.4 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

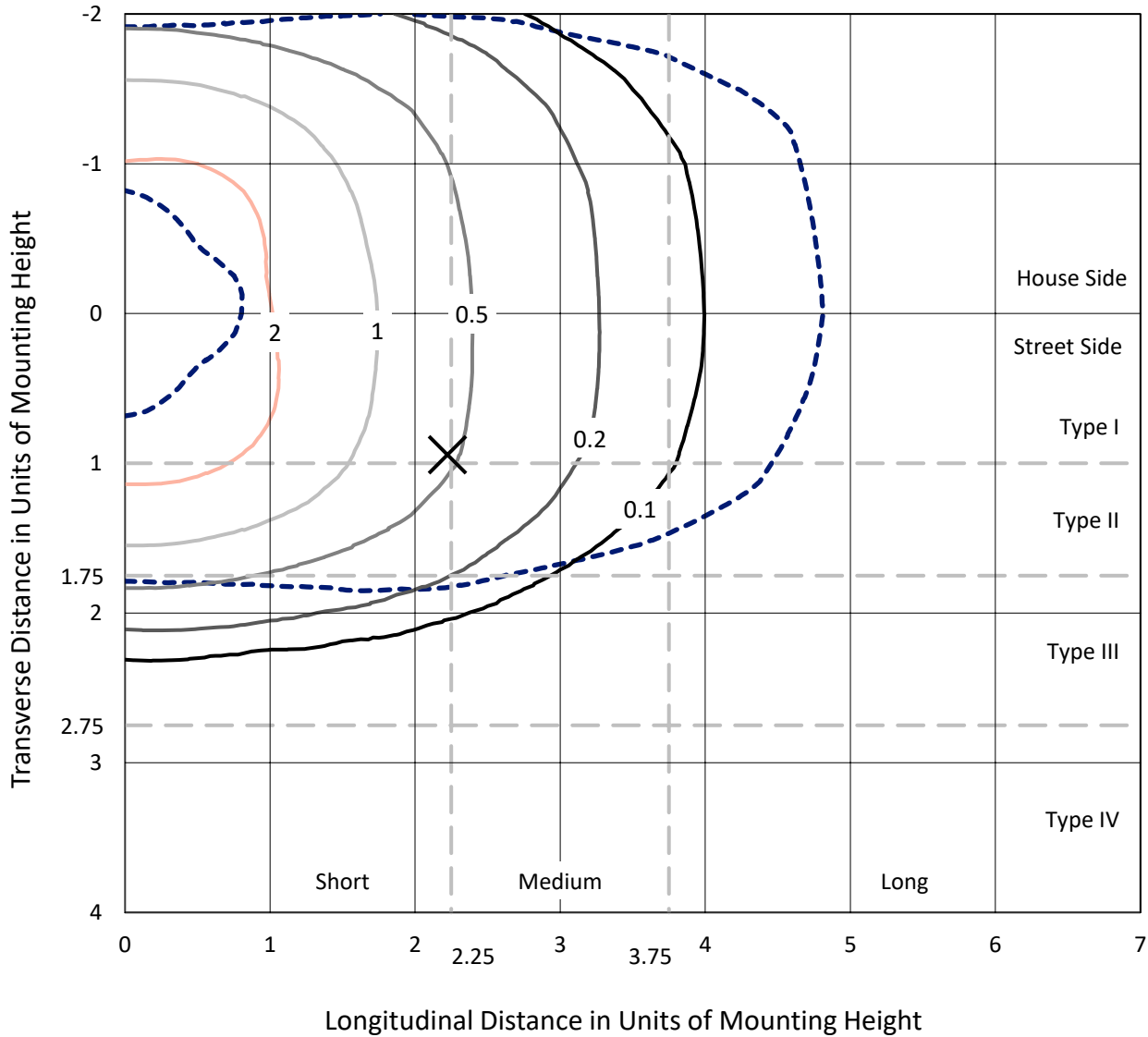
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

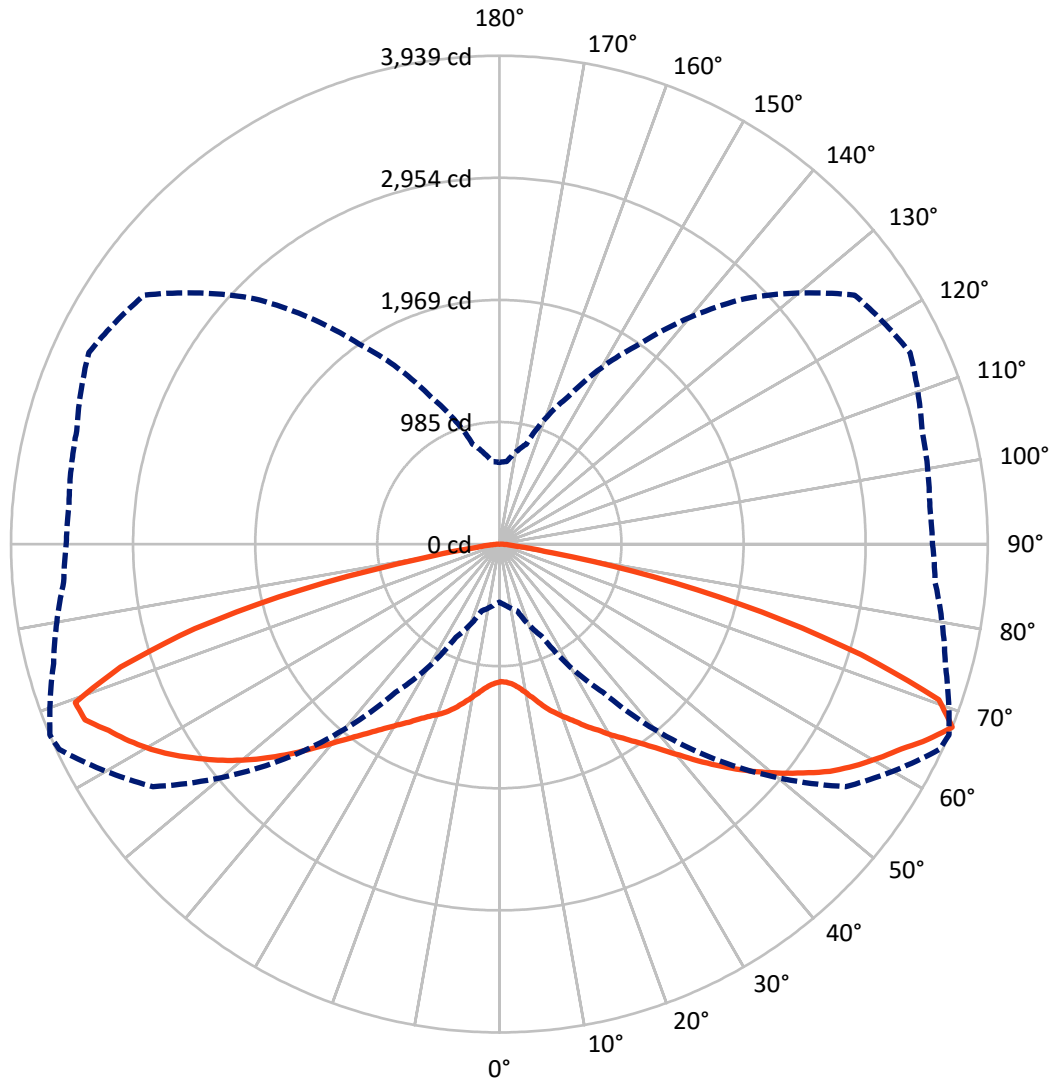
✕ Max cd
 - - - 1/2 Max cd



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	5416.0	0.0	5416.0
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	5536.9	0.0	5536.9
	% Fixture	50.6	0.0	50.6
Total	Lumens	10952.9	0.0	10952.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	1.0
10°-20°	367.6	3.4
20°-30°	721.2	6.6
30°-40°	1228.8	11.2
40°-50°	1973.1	18.0
50°-60°	2681.1	24.5
60°-70°	2564.6	23.4
70°-80°	1219.3	11.1
80°-90°	88.4	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°	10952.9	100.0
0°-180°	10952.9	100.0

Coefficient of Utilization



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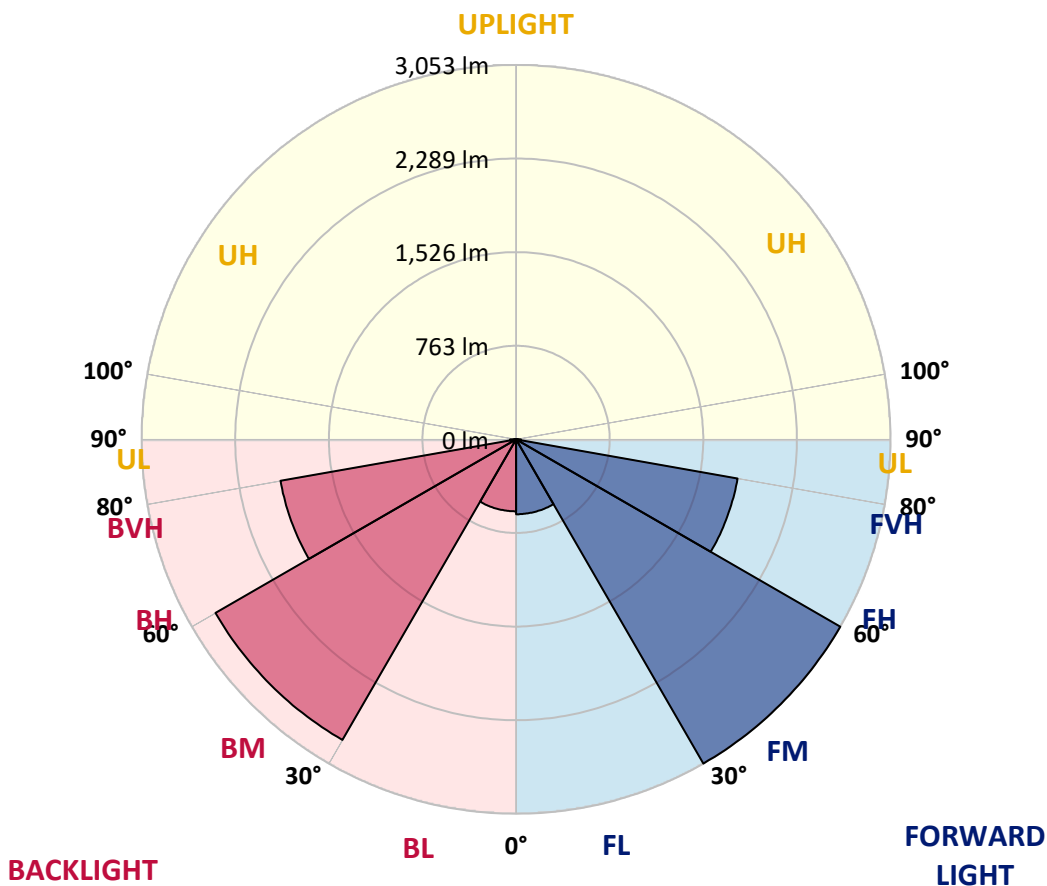
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	610.7	5.6			
FM (30°-60°)	3052.7	27.9			
FH (60°-80°)	1833.8	16.7			G2/5000
FVH (80°-90°)	39.7	0.4			G1/100
BL (0°-30°)	586.9	5.4	B2/1000		
BM (30°-60°)	2830.3	25.8	B3/5000		
BH (60°-80°)	1950.1	17.8	B3/2500		G3/2500
BVH (80°-90°)	48.6	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°	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0
2.5°	1086.2	1087.7	1090.0	1094.5	1099.1	1106.0	1112.9	1112.1	1115.1	1117.4	1119.7
5°	1080.1	1081.6	1085.4	1091.5	1098.4	1109.8	1124.3	1130.4	1135.0	1143.4	1151.0
7.5°	1093.0	1096.1	1101.4	1109.8	1120.5	1135.0	1154.8	1165.5	1172.4	1187.6	1200.6
10°	1110.6	1114.4	1125.1	1141.1	1157.1	1179.2	1204.4	1220.4	1225.0	1244.8	1269.2
12.5°	1127.3	1131.9	1149.5	1178.5	1207.4	1237.2	1266.9	1286.8	1288.3	1315.0	1342.4
15°	1154.0	1157.9	1181.5	1218.9	1263.1	1304.3	1340.9	1354.6	1360.8	1379.8	1414.1
17.5°	1212.8	1217.4	1247.9	1288.3	1334.8	1378.3	1414.9	1426.3	1426.3	1442.4	1470.6
20°	1276.1	1280.7	1321.1	1373.0	1429.4	1473.6	1501.9	1491.2	1487.4	1491.9	1511.8
22.5°	1347.0	1355.4	1394.3	1454.6	1524.0	1578.1	1592.6	1560.6	1549.9	1539.2	1543.8
25°	1437.8	1447.7	1485.8	1549.9	1617.8	1675.0	1683.4	1633.8	1627.7	1590.3	1576.6
27.5°	1542.3	1549.9	1597.2	1660.5	1723.8	1771.9	1781.0	1720.0	1699.4	1647.5	1615.5
30°	1677.3	1684.2	1725.3	1787.9	1842.8	1876.4	1887.8	1803.9	1787.9	1708.6	1659.0
32.5°	1824.5	1827.6	1869.5	1929.8	1978.6	2010.6	1994.6	1897.0	1873.3	1784.1	1716.2
35°	1993.1	1993.1	2047.2	2096.0	2134.9	2144.1	2113.6	2002.2	1974.8	1877.9	1793.2
37.5°	2158.6	2163.2	2213.5	2271.5	2305.8	2304.3	2248.6	2126.6	2095.3	1990.0	1896.2
40°	2337.8	2347.8	2398.1	2462.9	2495.7	2491.1	2405.7	2270.0	2237.9	2113.6	2022.1
42.5°	2502.6	2518.6	2577.3	2643.7	2679.5	2676.5	2587.3	2434.7	2403.4	2263.1	2171.6
45°	2633.8	2650.6	2723.8	2816.1	2873.3	2867.9	2777.9	2605.6	2567.4	2420.2	2319.5
47.5°	2749.0	2766.5	2848.1	2945.8	3036.5	3045.7	2963.3	2777.9	2737.5	2588.8	2475.1
50°	2837.4	2845.8	2937.4	3044.1	3149.4	3200.5	3128.8	2951.1	2902.3	2755.1	2626.9
52.5°	2830.6	2842.0	2954.9	3099.8	3240.9	3324.8	3275.3	3114.3	3067.0	2906.8	2781.8
55°	2691.0	2702.4	2836.7	3048.0	3292.0	3415.6	3410.3	3269.9	3235.6	3061.7	2942.7
57.5°	2487.3	2512.5	2646.0	2874.1	3224.9	3488.1	3509.4	3411.8	3375.9	3213.5	3102.1
60°	2122.7	2156.3	2310.4	2606.3	3009.8	3463.7	3615.4	3531.5	3509.4	3354.6	3246.3
62.5°	1542.3	1566.7	1771.9	2160.1	2691.0	3289.8	3704.7	3655.1	3638.3	3481.2	3376.7
65°	923.7	979.4	1144.1	1527.8	2170.8	2961.8	3655.9	3816.8	3799.3	3611.6	3488.1
67.5°	467.6	492.7	557.6	828.3	1459.9	2450.7	3411.0	3917.5	3938.9	3723.0	3527.7
70°	289.8	296.7	315.0	408.8	729.2	1610.2	2789.4	3655.1	3759.6	3705.5	3424.8
72.5°	232.6	234.2	237.2	254.8	350.1	752.8	1763.5	2862.6	3051.0	3460.6	3277.5
75°	193.0	193.7	194.5	199.8	218.1	307.4	858.1	1967.1	2187.6	2941.2	3038.8
77.5°	154.8	151.0	154.1	156.4	160.9	171.6	295.9	1049.5	1273.0	1930.5	2350.0
80°	100.7	99.2	105.3	107.5	112.1	119.0	157.9	356.2	432.5	702.5	747.5
82.5°	54.2	51.1	64.1	61.8	64.1	69.4	93.1	130.4	146.4	212.0	179.2
85°	16.8	16.8	17.5	20.6	25.2	24.4	40.4	64.1	70.9	90.8	67.1
87.5°	3.1	3.1	3.1	3.1	3.1	3.8	8.4	13.0	17.5	31.3	23.6
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°	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0	1109.0
2.5°	1124.3	1117.4	1121.2	1123.5	1122.8	1121.2	1113.6	1112.1	1108.3	1102.2	1100.7
5°	1157.9	1150.2	1151.0	1148.7	1141.1	1131.2	1114.4	1106.0	1099.1	1091.5	1090.7
7.5°	1210.5	1202.1	1199.8	1189.1	1167.8	1144.9	1118.2	1102.9	1091.5	1081.6	1080.1
10°	1277.6	1269.2	1261.6	1236.4	1201.3	1170.8	1135.7	1113.6	1096.8	1084.6	1082.3
12.5°	1352.4	1345.5	1326.4	1289.8	1247.9	1212.0	1176.2	1148.7	1124.3	1106.0	1103.7
15°	1435.5	1420.2	1391.3	1344.0	1304.3	1275.3	1231.8	1194.5	1155.6	1131.2	1125.8
17.5°	1493.5	1480.5	1446.2	1400.4	1369.1	1344.0	1292.9	1239.5	1186.8	1151.0	1143.4
20°	1534.7	1520.9	1482.0	1448.5	1438.6	1417.2	1357.7	1295.9	1234.9	1190.7	1180.7
22.5°	1564.4	1549.9	1510.3	1493.5	1507.2	1503.4	1445.4	1375.2	1302.8	1250.2	1237.9
25°	1592.6	1578.9	1543.8	1549.9	1586.5	1598.0	1535.4	1453.8	1371.4	1309.6	1295.2
27.5°	1619.3	1601.8	1585.8	1619.3	1671.2	1692.5	1626.2	1533.9	1444.7	1381.3	1369.9
30°	1660.5	1639.9	1637.6	1686.4	1768.8	1787.1	1713.9	1621.6	1533.1	1469.1	1454.6
32.5°	1712.4	1693.3	1694.8	1768.1	1863.4	1878.7	1816.1	1729.9	1641.4	1577.4	1557.5
35°	1782.6	1758.9	1771.9	1861.9	1958.0	1986.2	1935.9	1864.2	1778.0	1712.4	1690.3
37.5°	1879.4	1845.1	1871.8	1966.4	2063.2	2105.2	2066.3	2012.9	1927.5	1861.1	1840.5
40°	2003.0	1974.8	1985.4	2089.9	2189.9	2240.2	2215.8	2163.2	2078.5	2009.1	1985.4
42.5°	2149.4	2121.2	2117.4	2228.8	2328.7	2405.0	2381.3	2333.3	2245.5	2166.2	2143.3
45°	2292.8	2266.9	2272.2	2385.9	2498.0	2581.2	2557.5	2501.1	2405.7	2314.2	2295.9
47.5°	2442.3	2421.0	2425.6	2546.1	2669.6	2752.8	2723.0	2654.4	2543.0	2445.4	2423.3
50°	2595.6	2571.2	2578.1	2704.7	2838.2	2916.8	2871.0	2769.6	2646.8	2551.4	2532.3
52.5°	2748.2	2719.2	2736.8	2856.5	2994.6	3057.1	2972.4	2849.6	2730.7	2636.1	2614.7
55°	2923.6	2893.1	2874.1	3002.2	3138.7	3164.7	3048.7	2905.3	2764.2	2656.7	2643.7
57.5°	3083.8	3057.9	3022.0	3150.2	3250.9	3231.8	3107.5	2890.1	2682.6	2544.5	2526.2
60°	3227.2	3205.1	3173.8	3282.9	3328.7	3285.9	3060.2	2709.3	2481.2	2337.1	2328.7
62.5°	3359.2	3335.5	3306.5	3399.6	3393.5	3294.3	2845.1	2431.7	2126.6	1971.7	1958.0
65°	3463.7	3442.3	3433.9	3507.1	3497.2	3130.3	2510.2	1977.1	1553.7	1379.1	1373.7
67.5°	3493.4	3485.0	3530.0	3654.3	3499.5	2800.8	1968.7	1311.2	834.5	668.9	659.0
70°	3382.0	3381.3	3510.2	3687.9	3182.2	2139.5	1161.7	591.1	419.5	372.2	366.1
72.5°	3237.1	3234.8	3337.0	3181.4	2360.0	1170.8	488.9	316.5	262.4	249.4	249.4
75°	2999.1	2993.0	3070.1	2420.2	1327.2	440.9	259.3	217.4	205.9	203.7	203.7
77.5°	2444.6	2393.5	2272.2	1495.8	463.0	216.6	171.6	170.9	164.0	163.2	163.2
80°	803.9	803.9	934.4	570.5	204.4	133.5	121.3	127.4	120.5	115.9	115.2
82.5°	131.2	180.8	257.0	163.2	110.6	83.1	74.7	79.3	83.1	66.4	66.4
85°	51.9	67.9	99.2	76.3	51.1	33.6	35.8	39.7	35.1	30.5	29.7
87.5°	19.8	24.4	35.1	18.3	10.7	6.1	3.8	3.8	3.1	3.1	3.1
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)