

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: P634596

Luminaire Tested: GWS-SA3C-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634596  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-722-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

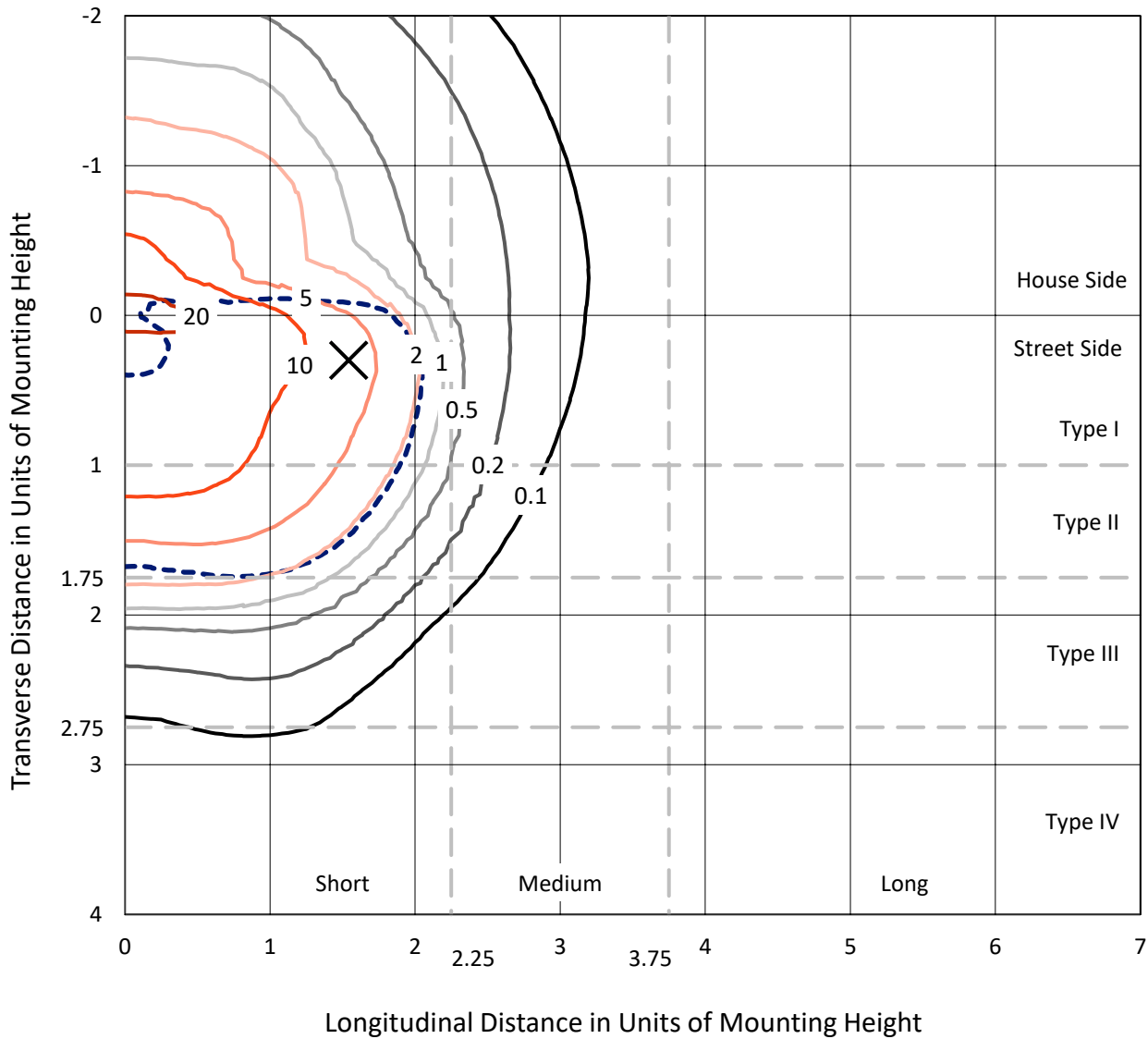
Lumens per Lamp: N/A  
Luminaire Lumens: 9008.6 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

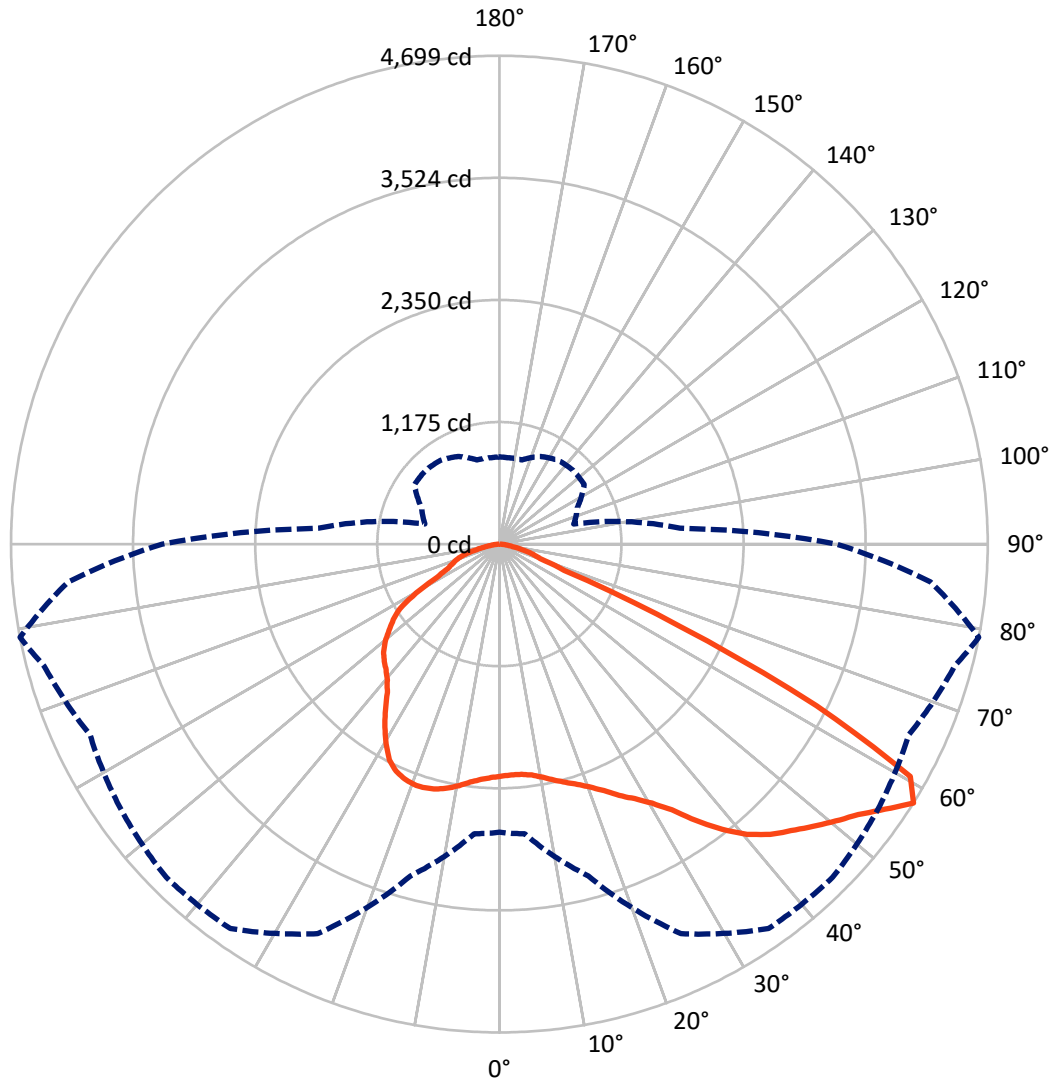
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2677.8	0.0	2677.8
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	6330.8	0.0	6330.8
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	9008.6	0.0	9008.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.8	2.3
10°-20°	574.6	6.4
20°-30°	973.9	10.8
30°-40°	1490.7	16.5
40°-50°	1987.7	22.1
50°-60°	2295.6	25.5
60°-70°	1192.9	13.2
70°-80°	253.6	2.8
80°-90°	32.8	0.4
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°	9008.6	100.0
0°-180°	9008.6	100.0

**Coefficient of Utilization**



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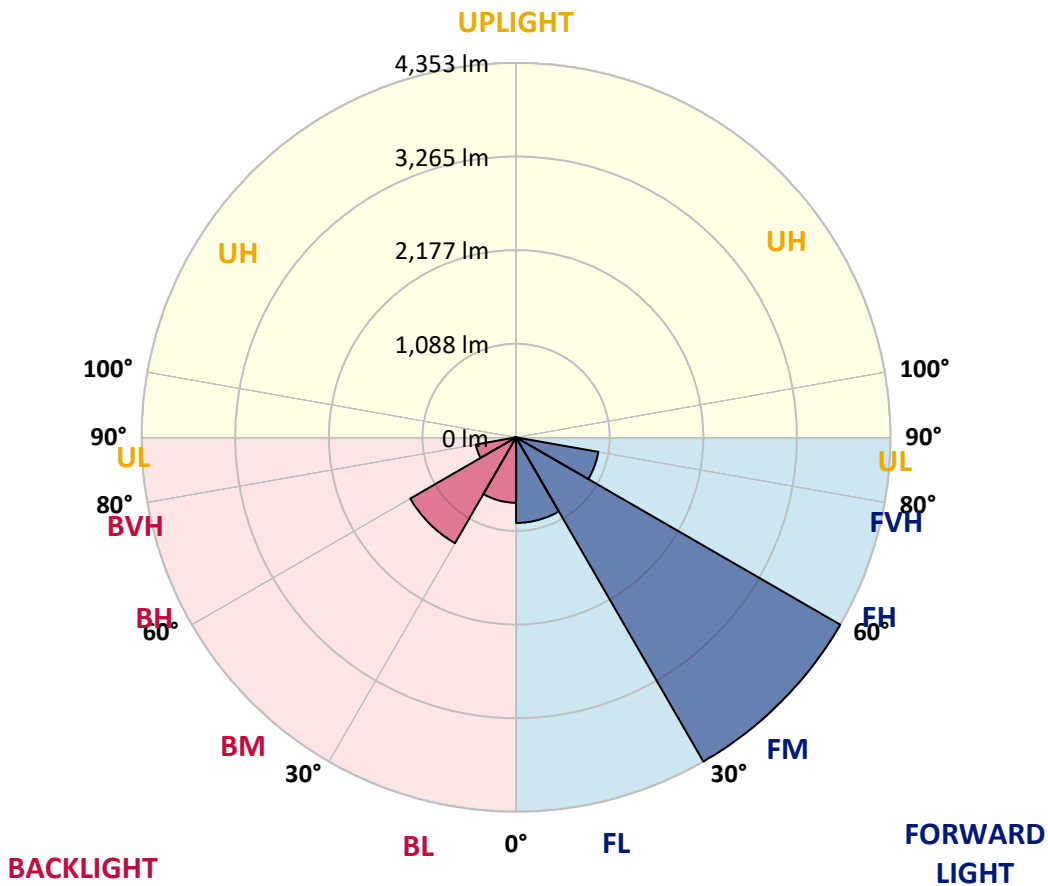
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.8	11.0			
FM (30°-60°)	4353.2	48.3			
FH (60°-80°)	971.3	10.8			G1/1800
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	760.5	8.4	B2/1000		
BM (30°-60°)	1420.8	15.8	B2/2500		
BH (60°-80°)	475.1	5.3	B1/500		G1/500
BVH (80°-90°)	21.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5
2.5°	2130.9	2126.5	2127.9	2133.8	2155.9	2172.1	2189.1	2204.5	2219.3	2223.7	2227.4
5°	2055.0	2046.9	2049.1	2058.7	2084.5	2111.7	2141.9	2178.8	2214.1	2225.9	2241.4
7.5°	2001.3	1999.8	2003.5	2018.2	2045.5	2071.2	2110.3	2162.6	2223.7	2243.6	2270.8
10°	1929.8	1926.9	1941.6	1971.8	2016.7	2058.0	2104.4	2166.2	2251.7	2281.2	2323.1
12.5°	1873.1	1871.6	1887.1	1929.1	1986.5	2052.1	2116.2	2185.4	2289.3	2329.8	2381.3
15°	1906.2	1899.6	1900.3	1929.8	1981.4	2058.7	2145.6	2220.0	2326.8	2378.4	2444.7
17.5°	2002.7	1990.9	1982.1	1987.3	2016.7	2097.0	2190.6	2266.4	2370.3	2430.7	2511.7
20°	2136.0	2129.4	2105.1	2088.9	2095.5	2166.2	2261.3	2332.0	2427.0	2494.8	2581.7
22.5°	2315.0	2298.8	2265.7	2239.9	2220.0	2275.3	2362.9	2424.0	2505.8	2576.5	2667.1
25°	2536.7	2513.2	2460.9	2420.4	2377.6	2434.4	2512.4	2558.8	2614.1	2679.6	2765.8
27.5°	2762.9	2743.0	2684.8	2630.3	2577.3	2612.6	2705.4	2731.9	2726.0	2773.9	2847.6
30°	3003.7	2978.7	2923.4	2864.5	2796.0	2818.8	2902.1	2915.3	2852.7	2892.5	2942.6
32.5°	3257.8	3233.5	3185.7	3117.2	3039.8	3048.7	3071.5	3084.0	3024.4	3047.2	3085.5
35°	3516.4	3493.5	3444.9	3377.2	3320.5	3266.7	3209.2	3259.3	3224.7	3268.9	3265.9
37.5°	3752.8	3730.0	3699.8	3647.5	3550.3	3444.2	3311.6	3373.5	3427.3	3483.2	3473.7
40°	3912.7	3897.2	3904.6	3896.4	3771.2	3561.3	3361.7	3429.5	3576.0	3671.8	3666.6
42.5°	4050.4	4034.9	4077.6	4108.6	3961.3	3669.6	3386.0	3450.8	3671.1	3820.6	3813.2
45°	4111.5	4107.1	4177.8	4275.8	4135.1	3784.5	3448.6	3495.0	3743.2	3934.7	3906.8
47.5°	4038.6	4054.1	4193.3	4359.0	4279.5	3920.8	3576.8	3588.6	3837.5	4058.5	3979.7
50°	3893.5	3927.4	4115.2	4361.2	4384.8	4074.7	3754.3	3724.8	3964.2	4190.3	4018.0
52.5°	3682.1	3717.5	4023.9	4344.3	4445.2	4252.9	3990.7	3948.7	4124.0	4322.2	4024.6
55°	3196.7	3244.6	3814.7	4306.0	4504.1	4415.0	4257.4	4171.9	4330.3	4503.4	4090.2
57.5°	2773.2	2798.2	3305.0	4135.8	4515.9	4534.3	4447.4	4345.8	4535.1	4699.3	4163.8
60°	2035.1	2041.0	2497.0	3422.1	4154.2	4465.1	4431.9	4280.9	4437.8	4542.4	3826.5
62.5°	1149.8	1150.5	1514.4	2284.1	3103.2	3639.4	3660.0	3526.7	3394.8	3425.8	2663.4
65°	431.6	472.1	691.6	1122.5	1789.1	2148.6	2234.0	2264.9	2045.5	1909.2	1428.2
67.5°	288.7	298.3	403.6	577.5	796.2	919.2	1028.2	1031.2	754.2	672.5	562.7
70°	220.2	229.8	317.5	413.2	403.6	372.7	402.9	391.9	405.1	416.2	427.9
72.5°	164.3	173.8	246.0	291.7	242.3	238.6	270.3	300.5	328.5	340.3	358.7
75°	109.0	116.4	165.7	156.2	134.1	158.4	197.4	227.6	243.8	257.8	271.8
77.5°	69.2	74.4	88.4	71.4	74.4	92.8	114.9	142.2	157.6	171.6	179.0
80°	31.7	30.9	30.2	33.9	42.0	54.5	69.2	85.4	97.2	103.1	107.5
82.5°	12.5	14.0	15.5	18.4	22.8	29.5	39.0	50.1	59.7	61.1	64.8
85°	5.2	5.9	6.6	8.1	10.3	13.3	16.2	22.8	28.7	30.9	33.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	2.2	3.7	6.6	7.4	8.1
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°	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5	2232.5
2.5°	2247.3	2237.7	2253.9	2264.9	2275.3	2264.2	2260.5	2251.0	2249.5	2249.5	2254.6
5°	2267.9	2261.3	2278.2	2284.8	2284.1	2259.8	2245.1	2225.9	2216.3	2216.3	2217.8
7.5°	2304.7	2301.0	2310.6	2300.3	2276.7	2227.4	2178.8	2138.3	2111.0	2097.0	2101.4
10°	2365.9	2361.4	2353.3	2315.0	2247.3	2144.9	2045.5	1971.8	1927.6	1902.6	1904.0
12.5°	2425.5	2418.2	2389.4	2304.7	2165.5	2002.7	1872.4	1789.9	1741.2	1711.8	1705.2
15°	2491.1	2471.9	2410.1	2251.7	2032.2	1828.9	1692.6	1603.5	1551.2	1533.5	1532.8
17.5°	2553.7	2519.8	2407.8	2157.4	1872.4	1647.0	1510.0	1454.7	1445.9	1454.0	1456.2
20°	2617.0	2562.5	2383.5	2027.0	1682.3	1465.8	1395.1	1417.9	1451.0	1473.1	1478.3
22.5°	2682.6	2597.9	2328.3	1859.1	1482.0	1343.5	1373.0	1423.1	1464.3	1493.8	1496.7
25°	2756.2	2631.0	2245.8	1653.6	1321.4	1309.6	1367.8	1420.8	1465.0	1498.9	1504.8
27.5°	2798.2	2631.8	2130.2	1442.2	1247.7	1296.4	1355.3	1405.4	1449.6	1486.4	1493.0
30°	2839.5	2611.9	1946.8	1270.6	1226.4	1280.9	1333.9	1380.3	1422.3	1458.4	1466.5
32.5°	2897.7	2593.5	1735.4	1171.9	1213.9	1266.2	1309.6	1350.9	1383.3	1399.5	1403.9
35°	2969.8	2569.9	1510.7	1129.2	1205.8	1254.4	1292.7	1314.8	1272.8	1264.0	1273.5
37.5°	3070.8	2547.8	1286.8	1110.7	1200.6	1250.0	1283.8	1227.1	1175.6	1154.9	1162.3
40°	3179.8	2535.3	1135.1	1096.0	1202.8	1254.4	1247.0	1163.0	1088.6	1045.2	1043.7
42.5°	3272.6	2516.1	1037.8	1086.4	1208.7	1271.3	1196.9	1106.3	995.8	970.1	970.8
45°	3335.2	2467.5	986.3	1076.1	1213.9	1275.0	1173.4	1028.2	949.4	933.2	932.5
47.5°	3361.0	2379.1	953.1	1059.9	1213.1	1244.8	1125.5	995.8	917.0	912.6	915.6
50°	3344.0	2234.0	919.2	1028.2	1195.5	1213.1	1070.2	967.1	894.9	919.2	936.9
52.5°	3281.4	2046.2	878.7	984.8	1163.8	1177.0	1042.2	949.4	878.7	911.1	925.1
55°	3265.2	1893.7	827.2	928.1	1116.6	1113.0	1012.8	940.6	867.7	855.2	857.4
57.5°	3243.8	1744.9	741.7	826.4	997.3	1003.2	984.8	930.3	839.0	835.3	839.0
60°	2818.1	1337.6	661.4	713.0	819.1	850.7	953.1	911.1	792.5	777.1	776.3
62.5°	1840.7	810.2	588.5	621.7	667.3	704.2	869.2	855.9	741.7	732.1	738.8
65°	989.9	577.5	535.5	555.4	580.4	608.4	720.4	762.3	670.3	636.4	637.1
67.5°	506.0	491.3	495.7	509.7	528.9	542.9	581.2	618.0	571.6	542.9	542.1
70°	433.1	444.9	451.5	459.6	472.1	469.9	473.6	480.2	476.6	462.6	461.8
72.5°	369.0	387.4	388.9	390.4	394.8	384.5	377.9	366.8	367.5	369.8	370.5
75°	280.6	298.3	302.7	300.5	304.9	291.7	282.8	271.8	258.5	256.3	257.8
77.5°	182.7	196.7	203.3	201.8	204.0	193.7	189.3	177.5	162.0	156.2	156.2
80°	110.5	118.6	123.7	125.2	127.4	120.1	112.7	102.4	95.8	89.1	89.1
82.5°	67.0	72.2	75.9	75.9	78.1	70.0	64.1	56.7	53.8	47.9	47.9
85°	33.9	37.6	39.0	38.3	36.8	30.2	28.0	24.3	22.8	19.9	19.9
87.5°	8.1	10.3	10.3	7.4	7.4	3.7	2.2	0.7	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)