

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: P634311

Luminaire Tested: GWS-SA3B-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10319.8 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

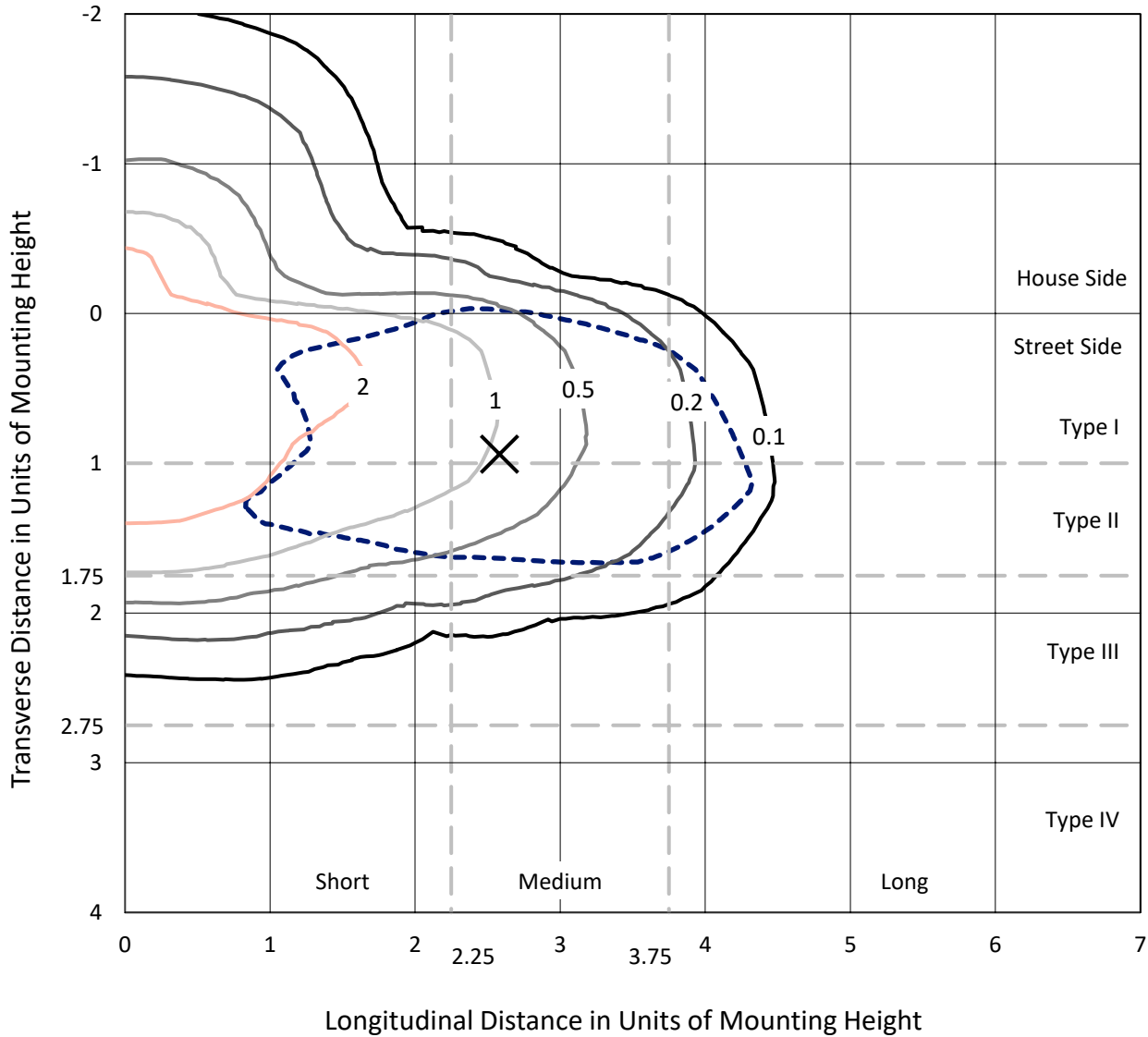
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

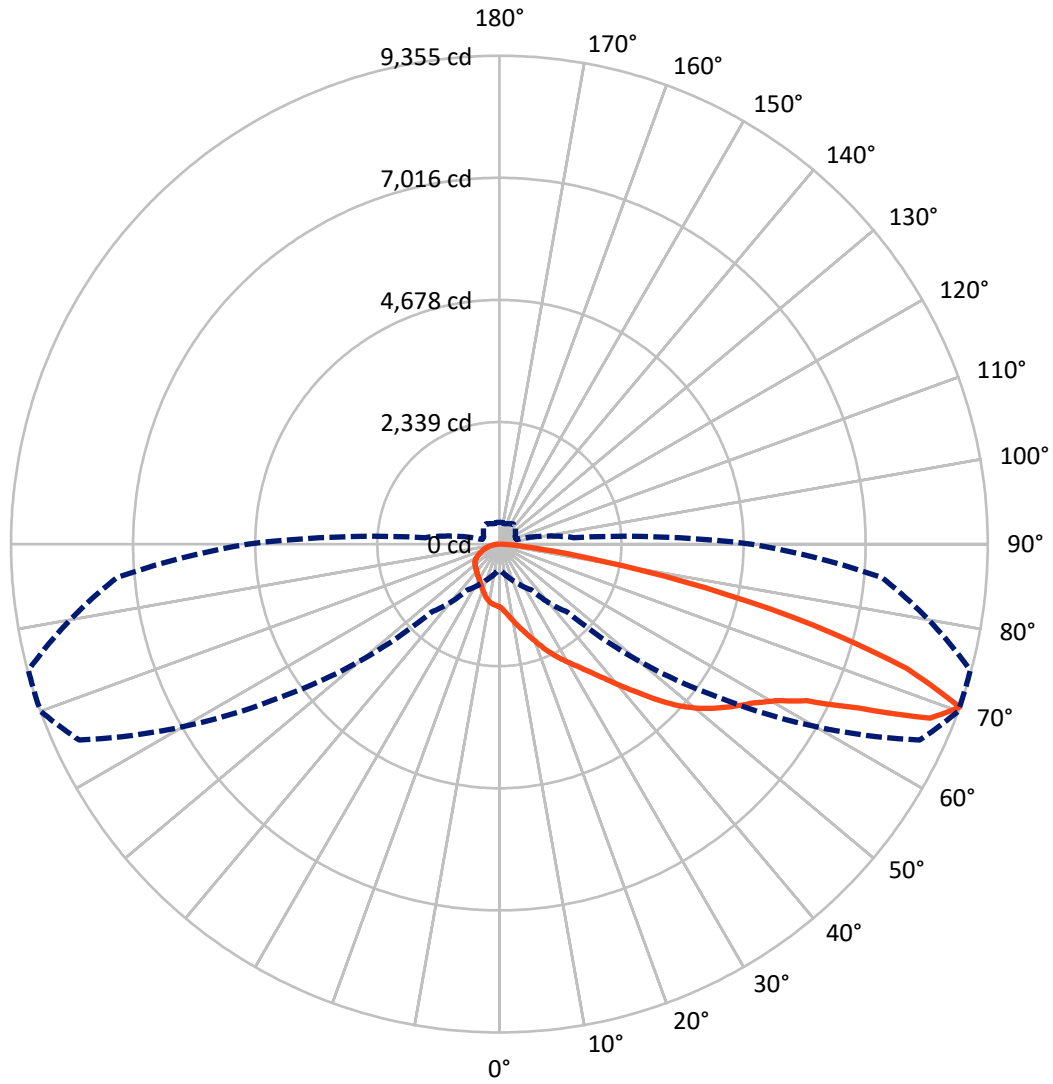
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1849.3	0.0	1849.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	8470.5	0.0	8470.5
	% Fixture	82.1	0.0	82.1
Total	Lumens	10319.8	0.0	10319.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	1.2
10°-20°	397.9	3.9
20°-30°	704.9	6.8
30°-40°	1060.9	10.3
40°-50°	1605.0	15.6
50°-60°	2299.3	22.3
60°-70°	2541.6	24.6
70°-80°	1434.3	13.9
80°-90°	153.4	1.5
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°	10319.8	100.0
0°-180°	10319.8	100.0

Coefficient of Utilization



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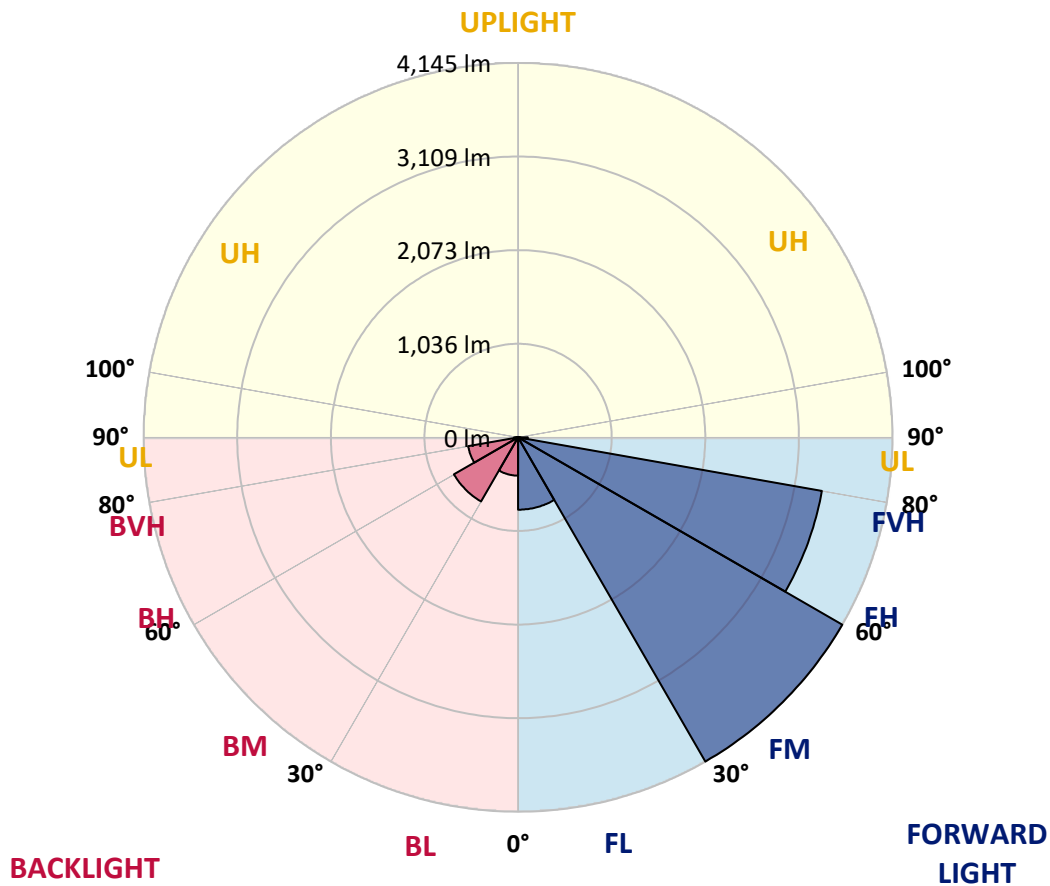
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	801.1	7.8			
FM (30°-60°)	4145.5	40.2			
FH (60°-80°)	3415.4	33.1			G2/5000
FVH (80°-90°)	108.5	1.1			G2/225
BL (0°-30°)	424.0	4.1	B1/500		
BM (30°-60°)	819.8	7.9	B1/1000		
BH (60°-80°)	560.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	45.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5
2.5°	1333.2	1331.0	1332.5	1331.0	1322.8	1302.7	1286.3	1265.4	1251.2	1243.0	1223.6
5°	1489.8	1487.6	1482.4	1474.9	1460.0	1432.4	1391.4	1345.9	1318.3	1297.5	1256.4
7.5°	1602.4	1602.4	1601.7	1592.7	1582.3	1553.2	1504.8	1445.1	1404.8	1369.0	1301.9
10°	1659.8	1663.6	1668.8	1681.5	1679.2	1663.6	1618.1	1554.0	1503.3	1461.5	1361.6
12.5°	1691.2	1693.4	1702.4	1728.5	1755.3	1759.0	1732.2	1665.1	1609.9	1554.0	1427.9
15°	1731.4	1732.2	1744.1	1775.4	1814.9	1854.5	1847.8	1780.6	1724.0	1662.1	1501.8
17.5°	1762.8	1768.0	1789.6	1826.1	1875.3	1929.8	1962.6	1920.8	1850.7	1779.9	1582.3
20°	1773.9	1777.7	1806.0	1861.9	1929.0	2005.8	2078.9	2067.7	1996.9	1913.4	1673.3
22.5°	1814.2	1814.2	1835.1	1882.1	1961.1	2072.9	2191.5	2220.6	2158.0	2060.3	1771.0
25°	1902.9	1900.0	1909.6	1929.0	1988.7	2126.6	2302.6	2389.9	2319.8	2210.1	1868.6
27.5°	2024.5	2023.0	2022.2	2025.2	2045.4	2173.6	2396.6	2547.9	2477.8	2354.1	1955.9
30°	2156.5	2152.0	2161.7	2152.7	2148.3	2229.5	2476.4	2689.6	2635.2	2496.5	2028.2
32.5°	2336.2	2328.0	2325.7	2296.6	2278.8	2316.8	2540.5	2850.7	2807.4	2650.1	2109.5
35°	2573.3	2565.8	2527.8	2481.6	2428.6	2446.5	2620.3	3008.0	3011.0	2842.5	2216.1
37.5°	2812.6	2814.1	2784.3	2675.4	2621.0	2610.6	2741.8	3199.6	3263.8	3072.1	2354.1
40°	3011.7	3020.7	3020.7	2905.9	2824.6	2814.9	2912.6	3427.1	3554.6	3354.0	2528.5
42.5°	3163.1	3171.3	3197.4	3114.6	3028.9	3062.4	3119.9	3655.2	3884.2	3702.2	2749.3
45°	3329.4	3336.1	3350.3	3302.5	3252.6	3342.1	3354.7	3928.2	4261.5	4093.0	3005.8
47.5°	3550.1	3544.1	3545.6	3510.6	3471.8	3616.5	3613.5	4157.8	4626.1	4521.0	3283.9
50°	3824.5	3835.7	3825.3	3755.9	3710.4	3842.4	3859.6	4412.1	4946.7	4944.5	3564.3
52.5°	4088.5	4093.0	4148.1	4151.1	4057.9	4030.3	4075.1	4668.6	5217.4	5332.2	3833.5
55°	4101.9	4119.1	4284.6	4403.9	4554.5	4333.1	4292.8	4913.2	5479.1	5711.8	4113.1
57.5°	3816.3	3843.9	4125.0	4382.3	4801.3	4852.8	4665.6	5229.3	5740.9	6085.4	4436.7
60°	3206.4	3263.8	3645.6	4039.3	4690.2	5226.4	5428.4	5658.8	6084.6	6467.1	4829.7
62.5°	2047.6	2070.0	2605.4	3264.5	4189.9	5189.8	6259.1	6415.7	6608.1	6964.5	5435.1
65°	1025.3	1096.9	1410.8	1948.4	3021.4	4573.2	6678.9	7801.9	7566.3	7816.1	6416.4
67.5°	695.7	718.8	877.6	1170.7	1771.7	3239.9	6418.7	8969.6	8900.3	8941.3	7462.6
70°	513.0	527.9	653.2	829.2	1071.5	1839.6	5110.0	8881.6	9355.1	9340.2	7353.0
72.5°	374.3	381.8	476.5	633.1	794.1	951.5	3120.6	7174.8	8166.5	8596.8	6430.6
75°	272.2	281.1	331.1	473.5	617.4	593.5	1540.5	5182.4	6227.8	7055.5	5239.0
77.5°	202.8	214.0	237.1	296.8	432.5	425.0	665.9	3365.2	4028.1	4608.2	3182.5
80°	146.2	148.4	161.8	190.1	274.4	249.1	316.9	1754.5	2011.8	2204.2	1247.5
82.5°	88.7	91.0	108.1	117.1	170.0	156.6	164.8	568.2	814.3	864.2	466.0
85°	26.1	27.6	49.2	53.7	70.8	67.1	66.4	231.2	275.9	352.7	183.4
87.5°	0.0	0.0	0.0	0.0	0.7	4.5	8.2	41.0	61.9	85.8	44.7
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°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5
2.5°	1216.2	1199.0	1190.1	1174.4	1163.2	1152.1	1140.9	1130.4	1126.0	1119.2	1120.7
5°	1237.8	1211.0	1184.1	1153.5	1127.4	1105.8	1086.4	1069.3	1061.8	1055.1	1058.1
7.5°	1270.6	1230.3	1178.9	1123.0	1082.0	1052.1	1032.0	1020.1	1016.3	1011.1	1011.1
10°	1312.4	1252.0	1161.7	1082.0	1032.7	1008.9	999.9	999.2	1002.9	1003.7	1002.2
12.5°	1358.6	1272.8	1136.4	1033.5	991.7	984.3	991.0	1003.7	1016.3	1023.1	1021.6
15°	1406.3	1286.3	1093.1	987.3	961.9	971.6	993.2	1018.6	1043.2	1055.9	1055.1
17.5°	1451.1	1289.3	1037.2	942.5	935.8	960.4	997.7	1037.2	1070.8	1088.7	1089.4
20°	1501.0	1284.0	979.8	902.3	909.7	950.0	999.2	1046.9	1086.4	1104.3	1108.8
22.5°	1546.5	1266.1	923.9	864.2	887.3	937.3	987.3	1032.0	1067.0	1084.2	1090.2
25°	1587.5	1231.8	862.7	832.2	870.2	919.4	957.4	988.8	1013.4	1023.8	1032.0
27.5°	1609.9	1180.4	816.5	806.8	853.8	894.1	914.9	924.6	932.8	929.8	935.8
30°	1614.4	1116.3	776.2	786.7	829.2	859.0	863.5	853.8	839.6	816.5	821.7
32.5°	1609.9	1042.4	742.7	765.1	801.6	819.5	813.5	788.2	753.9	718.1	720.3
35°	1611.4	967.9	715.1	741.2	769.5	779.2	764.3	729.3	692.7	659.9	658.4
37.5°	1627.8	905.2	692.0	718.1	738.2	739.7	723.3	686.8	668.1	643.5	640.5
40°	1673.3	859.0	671.1	695.0	707.6	706.9	688.2	662.2	674.8	666.6	664.4
42.5°	1747.8	830.7	653.9	670.4	679.3	680.8	665.9	649.5	677.1	666.6	662.9
45°	1867.9	829.2	642.0	645.7	659.9	670.4	659.9	641.3	651.7	601.0	591.3
47.5°	2010.3	854.5	633.1	624.1	648.7	667.4	651.0	621.1	599.5	553.3	546.6
50°	2181.8	906.0	624.9	601.0	632.3	656.2	639.8	598.8	566.0	541.4	537.6
52.5°	2385.4	973.8	614.4	574.9	607.7	650.2	639.8	596.5	553.3	530.9	527.2
55°	2598.6	1052.1	602.5	543.6	580.1	651.7	645.0	580.9	543.6	531.7	528.7
57.5°	2863.4	1146.1	580.9	507.1	555.5	638.3	624.1	571.9	536.9	527.2	524.2
60°	3207.1	1285.5	539.9	469.8	527.2	614.4	605.5	557.0	519.0	510.8	508.5
62.5°	3751.4	1521.9	489.9	434.0	493.6	564.5	577.9	528.7	496.6	495.9	495.1
65°	4638.8	1806.0	431.0	401.9	458.6	523.5	541.4	499.6	473.5	481.7	481.0
67.5°	5260.7	1830.6	382.5	368.4	417.6	478.7	504.8	469.8	441.4	457.1	456.3
70°	4818.5	1427.9	340.8	333.3	373.6	430.2	465.3	432.5	404.2	419.1	416.1
72.5°	4063.9	1094.6	301.2	296.8	328.8	379.5	414.6	395.2	365.4	365.4	358.7
75°	3266.0	903.0	259.5	257.3	278.9	328.1	367.6	334.8	307.2	305.7	301.2
77.5°	1873.1	592.1	217.7	216.2	223.0	274.4	285.6	278.9	258.0	248.3	245.3
80°	746.4	308.0	171.5	161.8	168.5	201.3	225.2	214.0	196.1	184.2	177.5
82.5°	289.3	154.4	120.8	105.9	115.6	145.4	163.3	159.6	147.6	120.8	113.3
85°	117.8	75.3	72.3	61.1	67.1	78.3	94.0	81.3	67.1	47.7	45.5
87.5°	31.3	27.6	26.8	16.4	12.7	3.7	0.7	0.0	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)