

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: P634751

Luminaire Tested: GWS-SA3C-735-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634751
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-SA3C-735-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13650.3 lumens
Efficiency: N/A
Efficacy: 146.8 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

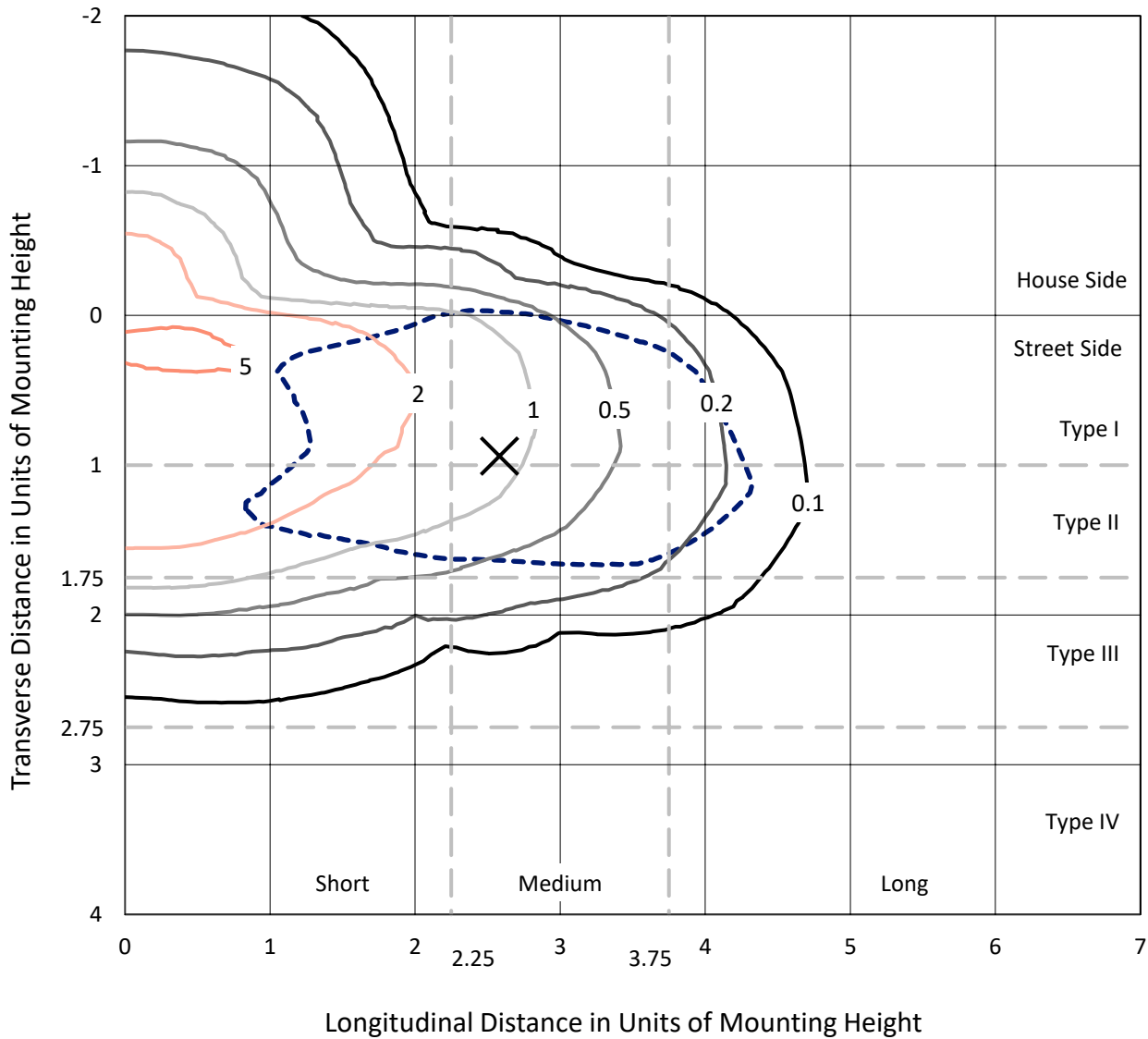
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634751
 CATALOG NUMBER: GWS-SA3C-735-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

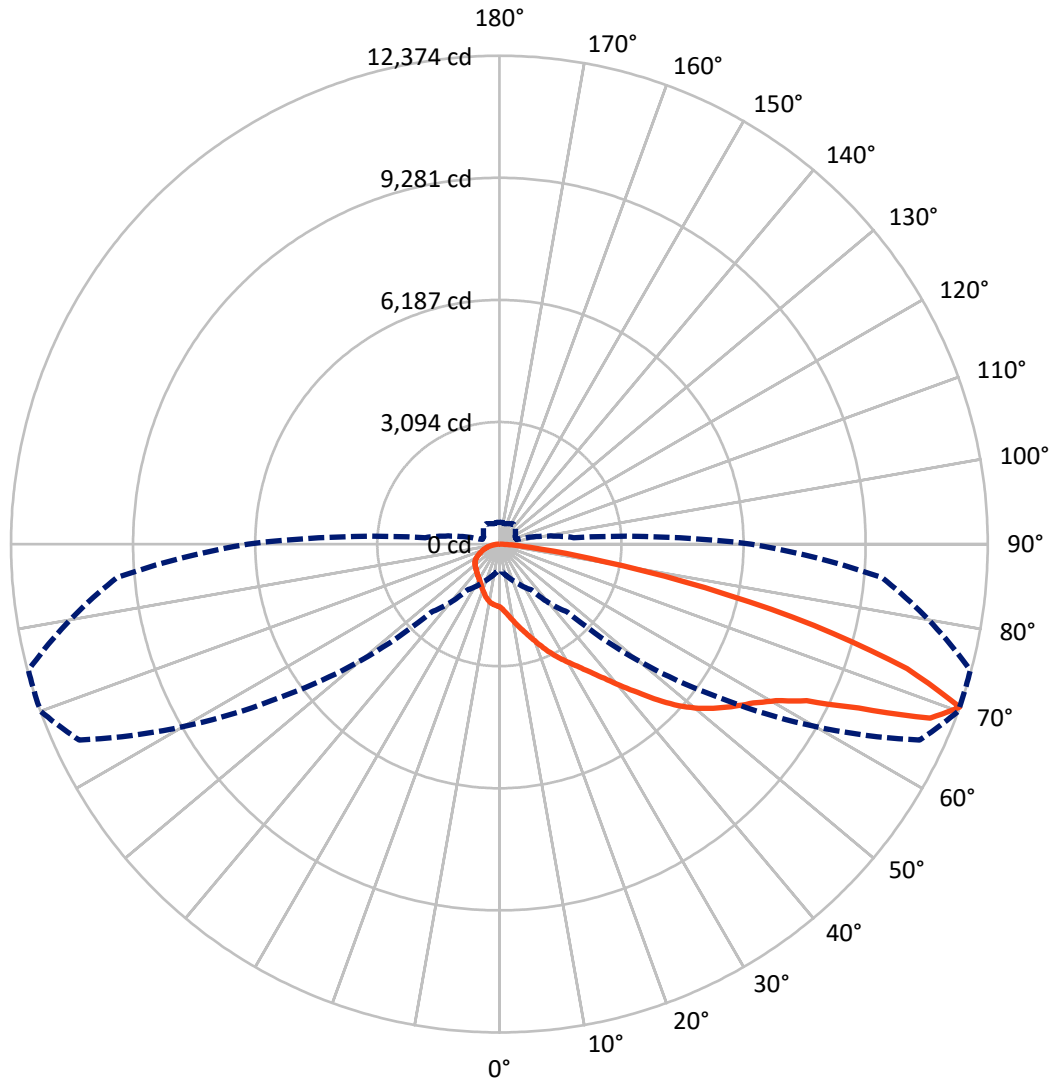
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P634751
CATALOG NUMBER: GWS-SA3C-735-U-T2-W

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA3C-735-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2446.2	0.0	2446.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	11204.1	0.0	11204.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	13650.3	0.0	13650.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.8	1.2
10°-20°	526.3	3.9
20°-30°	932.4	6.8
30°-40°	1403.3	10.3
40°-50°	2123.0	15.6
50°-60°	3041.4	22.3
60°-70°	3361.9	24.6
70°-80°	1897.2	13.9
80°-90°	202.9	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°	13650.3	100.0
0°-180°	13650.3	100.0

Coefficient of Utilization



REPORT NUMBER: P634751

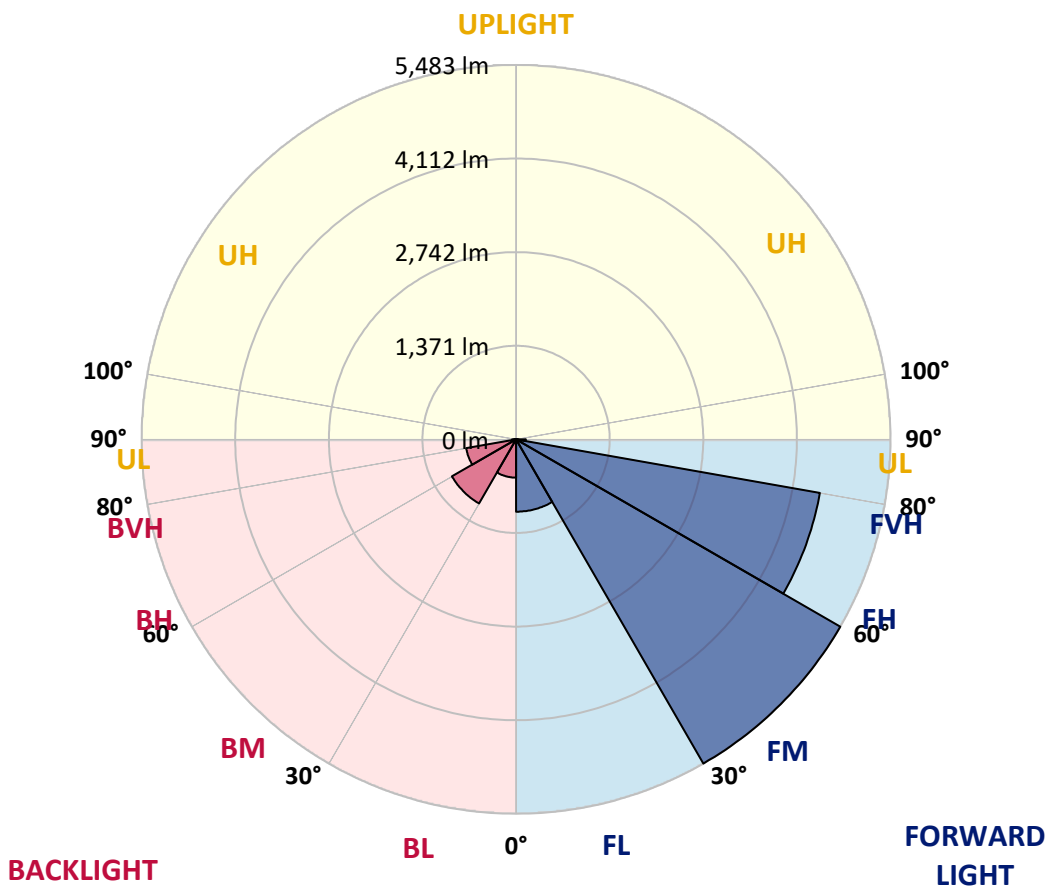
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1059.7	7.8			
FM (30°-60°)	5483.3	40.2			
FH (60°-80°)	4517.7	33.1			G2/5000
FVH (80°-90°)	143.5	1.1			G2/225
BL (0°-30°)	560.9	4.1	B2/1000		
BM (30°-60°)	1084.4	7.9	B2/2500		
BH (60°-80°)	741.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	59.5	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





REPORT NUMBER: P634751
 CATALOG NUMBER: GWS-SA3C-735-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1763.5	1760.6	1762.5	1760.6	1749.7	1723.1	1701.4	1673.8	1655.0	1644.2	1618.5
5°	1970.7	1967.7	1960.8	1950.9	1931.2	1894.7	1840.5	1780.3	1743.8	1716.2	1661.9
7.5°	2119.6	2119.6	2118.6	2106.8	2093.0	2054.5	1990.4	1911.5	1858.2	1810.9	1722.1
10°	2195.5	2200.5	2207.4	2224.1	2221.2	2200.5	2140.3	2055.5	1988.4	1933.2	1801.0
12.5°	2237.0	2239.9	2251.8	2286.3	2321.8	2326.7	2291.2	2202.4	2129.4	2055.5	1888.8
15°	2290.2	2291.2	2307.0	2348.4	2400.7	2453.0	2444.1	2355.3	2280.4	2198.5	1986.4
17.5°	2331.6	2338.5	2367.1	2415.5	2480.6	2552.6	2596.0	2540.7	2448.0	2354.3	2093.0
20°	2346.4	2351.4	2388.8	2462.8	2551.6	2653.2	2749.8	2735.0	2641.3	2530.9	2213.3
22.5°	2399.7	2399.7	2427.3	2489.5	2594.0	2741.9	2898.8	2937.2	2854.4	2725.2	2342.5
25°	2517.1	2513.1	2525.9	2551.6	2630.5	2813.0	3045.7	3161.1	3068.4	2923.4	2471.7
27.5°	2677.8	2675.9	2674.9	2678.8	2705.5	2875.1	3170.0	3370.2	3277.5	3113.8	2587.1
30°	2852.4	2846.5	2859.3	2847.5	2841.6	2949.1	3275.5	3557.6	3485.6	3302.2	2682.8
32.5°	3090.1	3079.3	3076.3	3037.8	3014.2	3064.5	3360.4	3770.7	3713.5	3505.4	2790.3
35°	3403.8	3393.9	3343.6	3282.4	3212.4	3236.1	3465.9	3978.8	3982.7	3759.8	2931.3
37.5°	3720.4	3722.3	3682.9	3538.9	3466.9	3453.1	3626.7	4232.3	4317.1	4063.6	3113.8
40°	3983.7	3995.6	3995.6	3843.7	3736.2	3723.3	3852.5	4533.1	4701.7	4436.4	3344.6
42.5°	4183.9	4194.8	4229.3	4119.8	4006.4	4050.8	4126.7	4834.9	5137.7	4897.0	3636.5
45°	4403.9	4412.8	4431.5	4368.4	4302.3	4420.7	4437.4	5195.9	5636.8	5413.9	3975.8
47.5°	4695.8	4687.9	4689.9	4643.6	4592.3	4783.6	4779.7	5499.7	6119.1	5980.0	4343.7
50°	5058.8	5073.6	5059.8	4968.1	4907.9	5082.5	5105.2	5836.0	6543.2	6540.2	4714.6
52.5°	5407.9	5413.9	5486.9	5490.8	5367.5	5331.0	5390.2	6175.3	6901.2	7053.1	5070.6
55°	5425.7	5448.4	5667.3	5825.2	6024.4	5731.5	5678.2	6498.8	7247.4	7555.2	5440.5
57.5°	5047.9	5084.4	5456.3	5796.6	6350.9	6418.9	6171.4	6917.0	7593.6	8049.3	5868.6
60°	4241.1	4317.1	4822.1	5342.9	6203.9	6913.1	7180.4	7485.1	8048.3	8554.3	6388.3
62.5°	2708.4	2738.0	3446.2	4318.1	5542.1	6864.7	8279.1	8486.2	8740.7	9212.2	7189.2
65°	1356.2	1450.9	1866.1	2577.2	3996.5	6049.1	8834.4	10319.8	10008.1	10338.5	8487.2
67.5°	920.2	950.8	1160.9	1548.5	2343.5	4285.5	8490.2	11864.3	11772.6	11826.9	9871.0
70°	678.6	698.3	864.0	1096.8	1417.3	2433.2	6759.2	11748.0	12374.3	12354.5	9726.0
72.5°	495.1	505.0	630.3	837.4	1050.4	1258.5	4127.7	9490.3	10802.1	11371.2	8506.0
75°	360.0	371.8	437.9	626.3	816.7	785.1	2037.7	6854.9	8237.7	9332.5	6929.8
77.5°	268.3	283.1	313.6	392.6	572.1	562.2	880.8	4451.2	5328.1	6095.4	4209.6
80°	193.3	196.3	214.0	251.5	363.0	329.4	419.2	2320.8	2661.1	2915.5	1650.1
82.5°	117.4	120.3	143.0	154.9	224.9	207.1	218.0	751.6	1077.1	1143.1	616.4
85°	34.5	36.5	65.1	71.0	93.7	88.8	87.8	305.8	364.9	466.5	242.6
87.5°	0.0	0.0	0.0	0.0	1.0	5.9	10.8	54.2	81.9	113.4	59.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634751
 CATALOG NUMBER: GWS-SA3C-735-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1608.7	1586.0	1574.2	1553.4	1538.6	1523.9	1509.1	1495.2	1489.3	1480.5	1482.4
5°	1637.3	1601.8	1566.3	1525.8	1491.3	1462.7	1437.1	1414.4	1404.5	1395.6	1399.6
7.5°	1680.7	1627.4	1559.4	1485.4	1431.1	1391.7	1365.1	1349.3	1344.3	1337.4	1337.4
10°	1735.9	1656.0	1536.7	1431.1	1366.0	1334.5	1322.6	1321.7	1326.6	1327.6	1325.6
12.5°	1797.1	1683.6	1503.1	1367.0	1311.8	1301.9	1310.8	1327.6	1344.3	1353.2	1351.2
15°	1860.2	1701.4	1445.9	1305.9	1272.3	1285.2	1313.8	1347.3	1379.9	1396.6	1395.6
17.5°	1919.4	1705.3	1372.0	1246.7	1237.8	1270.4	1319.7	1372.0	1416.3	1440.0	1441.0
20°	1985.4	1698.4	1296.0	1193.4	1203.3	1256.6	1321.7	1384.8	1437.1	1460.7	1466.6
22.5°	2045.6	1674.8	1222.0	1143.1	1173.7	1239.8	1305.9	1365.1	1411.4	1434.1	1442.0
25°	2099.9	1629.4	1141.2	1100.7	1151.0	1216.1	1266.4	1307.8	1340.4	1354.2	1365.1
27.5°	2129.4	1561.3	1080.0	1067.2	1129.3	1182.6	1210.2	1223.0	1233.9	1229.9	1237.8
30°	2135.4	1476.5	1026.8	1040.6	1096.8	1136.2	1142.1	1129.3	1110.6	1080.0	1086.9
32.5°	2129.4	1378.9	982.4	1012.0	1060.3	1084.0	1076.1	1042.5	997.2	949.8	952.8
35°	2131.4	1280.2	945.9	980.4	1017.9	1030.7	1011.0	964.6	916.3	872.9	870.9
37.5°	2153.1	1197.4	915.3	949.8	976.4	978.4	956.7	908.4	883.7	851.2	847.2
40°	2213.3	1136.2	887.7	919.2	936.0	935.0	910.4	875.8	892.6	881.8	878.8
42.5°	2311.9	1098.8	865.0	886.7	898.5	900.5	880.8	859.1	895.6	881.8	876.8
45°	2470.7	1096.8	849.2	854.1	872.9	886.7	872.9	848.2	862.0	795.0	782.1
47.5°	2659.1	1130.3	837.4	825.5	858.1	882.7	861.1	821.6	793.0	731.8	723.0
50°	2885.9	1198.4	826.5	795.0	836.4	868.0	846.3	792.0	748.6	716.1	711.1
52.5°	3155.2	1288.1	812.7	760.4	803.8	860.1	846.3	789.0	731.8	702.3	697.3
55°	3437.3	1391.7	796.9	719.0	767.4	862.0	853.2	768.3	719.0	703.2	699.3
57.5°	3787.4	1516.0	768.3	670.7	734.8	844.3	825.5	756.5	710.1	697.3	693.4
60°	4242.1	1700.4	714.1	621.4	697.3	812.7	800.9	736.8	686.5	675.6	672.7
62.5°	4962.1	2013.1	648.0	574.0	652.9	746.6	764.4	699.3	656.9	655.9	654.9
65°	6135.8	2388.8	570.1	531.6	606.6	692.4	716.1	660.8	626.3	637.2	636.2
67.5°	6958.4	2421.4	506.0	487.2	552.3	633.2	667.7	621.4	583.9	604.6	603.6
70°	6373.5	1888.8	450.7	440.9	494.1	569.1	615.5	572.1	534.6	554.3	550.4
72.5°	5375.4	1447.9	398.5	392.6	435.0	502.0	548.4	522.7	483.3	483.3	474.4
75°	4320.0	1194.4	343.2	340.3	368.9	434.0	486.3	442.9	406.4	404.4	398.5
77.5°	2477.6	783.1	288.0	286.0	294.9	363.0	377.8	368.9	341.3	328.4	324.5
80°	987.3	407.3	226.9	214.0	222.9	266.3	297.9	283.1	259.4	243.6	234.7
82.5°	382.7	204.2	159.8	140.1	152.9	192.3	216.0	211.1	195.3	159.8	149.9
85°	155.8	99.6	95.7	80.9	88.8	103.6	124.3	107.5	88.8	63.1	60.2
87.5°	41.4	36.5	35.5	21.7	16.8	4.9	1.0	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)