

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: P636248

Luminaire Tested: GWS-SA3F-735-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24515.7 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 183.2
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

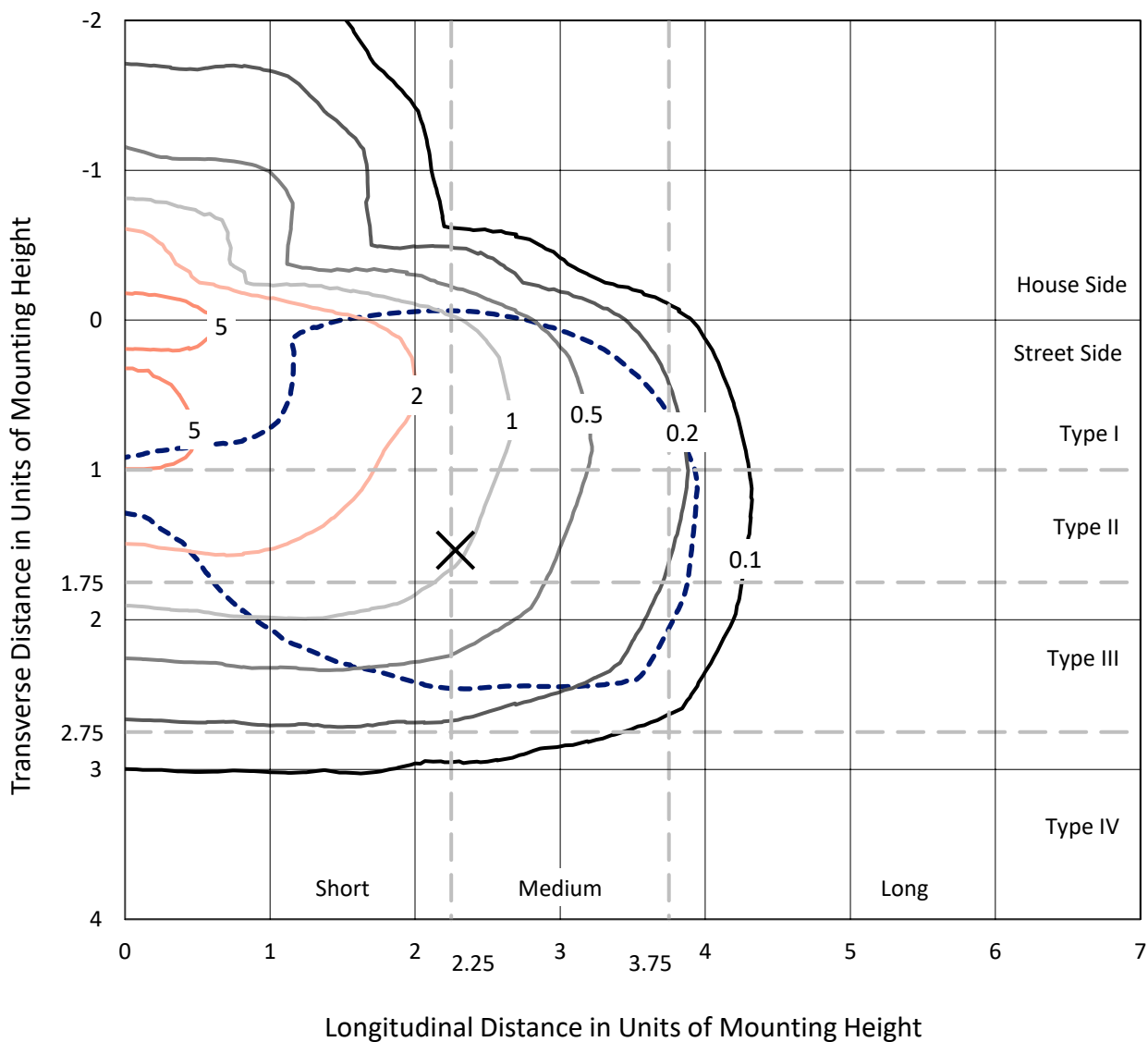


REPORT NUMBER: P636248

CATALOG NUMBER: GWS-SA3F-735-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

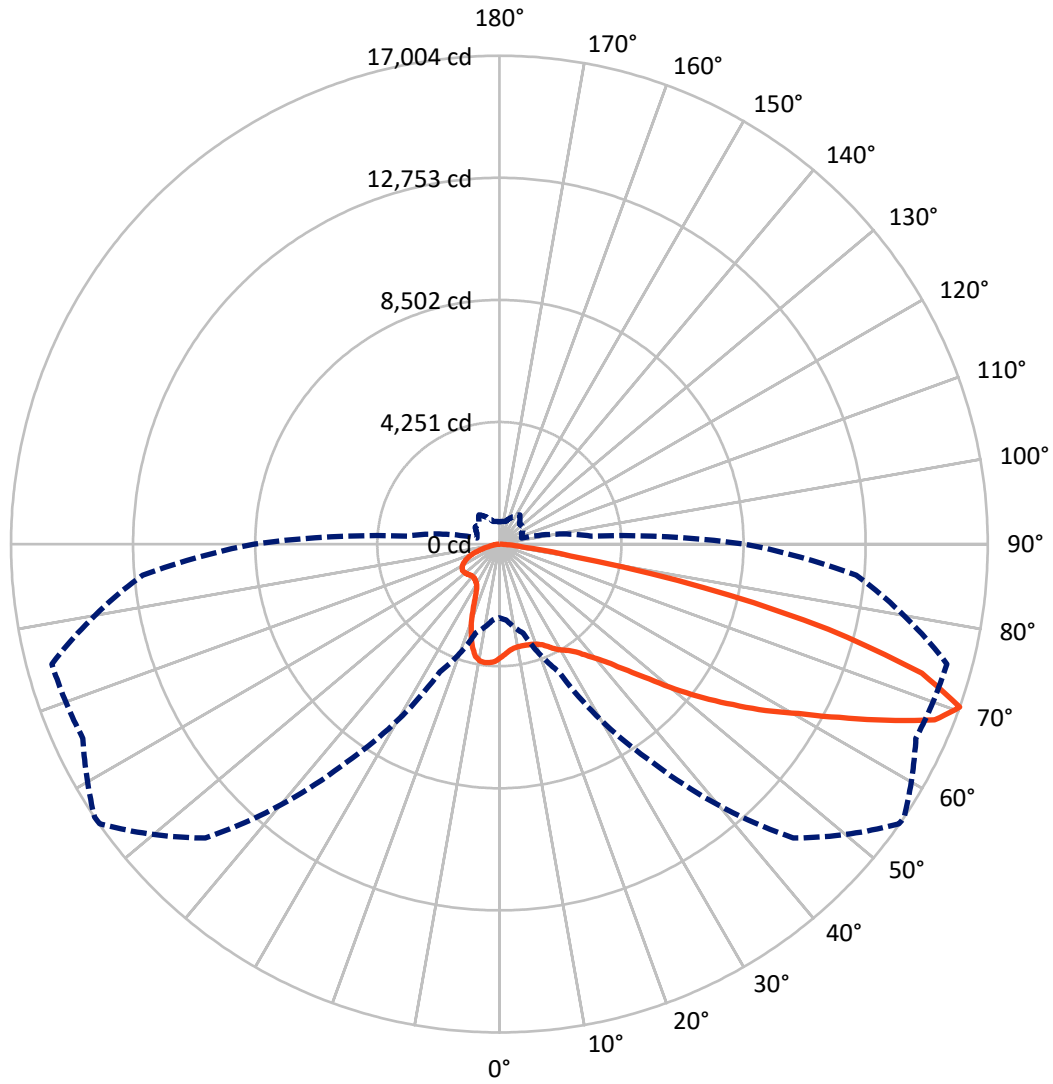
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P636248
CATALOG NUMBER: GWS-SA3F-735-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P636248

CATALOG NUMBER: GWS-SA3F-735-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4713.2	0.0	4713.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	19802.5	0.0	19802.5
	% Fixture	80.8	0.0	80.8
Total	Lumens	24515.7	0.0	24515.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.2	1.5
10°-20°	992.2	4.0
20°-30°	1640.4	6.7
30°-40°	2452.6	10.0
40°-50°	3649.8	14.9
50°-60°	5189.0	21.2
60°-70°	6426.8	26.2
70°-80°	3548.7	14.5
80°-90°	249.9	1.0
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°	24515.7	100.0
0°-180°	24515.7	100.0

Coefficient of Utilization



REPORT NUMBER: P636248

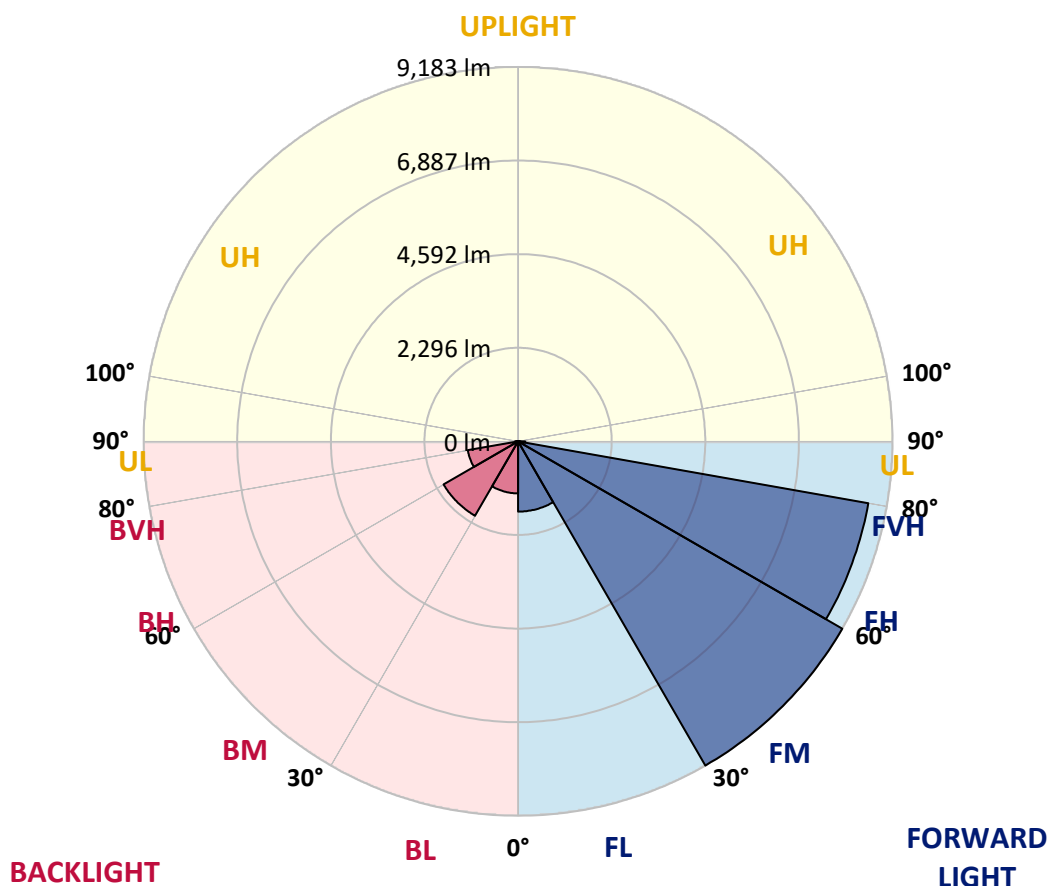
CATALOG NUMBER: GWS-SA3F-735-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1722.9	7.0			
FM (30°-60°)	9183.2	37.5			
FH (60°-80°)	8722.7	35.6			G4/12000
FVH (80°-90°)	173.7	0.7			G2/225
BL (0°-30°)	1275.9	5.2	B3/2500		
BM (30°-60°)	2108.3	8.6	B2/2500		
BH (60°-80°)	1252.7	5.1	B3/2500		G3/2500
BVH (80°-90°)	76.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





REPORT NUMBER: P636248

CATALOG NUMBER: GWS-SA3F-735-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2
2.5°	3703.1	3682.3	3706.5	3718.6	3749.8	3794.7	3834.5	3836.2	3856.9	3907.1	3955.5
5°	3535.4	3525.0	3531.9	3568.2	3601.1	3658.1	3718.6	3723.8	3782.6	3881.1	3978.0
7.5°	3405.7	3391.9	3417.8	3464.5	3506.0	3570.0	3649.5	3656.4	3739.4	3888.1	4036.7
10°	3219.0	3208.6	3257.0	3319.3	3409.2	3514.6	3620.1	3628.7	3737.7	3933.0	4140.5
12.5°	3137.8	3137.8	3158.5	3217.3	3315.8	3455.9	3614.9	3628.7	3765.3	4002.2	4273.6
15°	3264.0	3272.6	3255.3	3251.9	3291.6	3424.7	3621.8	3642.6	3817.2	4073.0	4405.0
17.5°	3518.1	3526.7	3481.8	3410.9	3371.1	3454.1	3647.8	3670.2	3872.5	4150.8	4546.7
20°	3874.2	3884.6	3786.1	3677.1	3540.6	3538.8	3697.9	3718.6	3943.4	4235.5	4697.1
22.5°	4290.9	4297.8	4173.3	4000.4	3791.2	3696.2	3784.3	3805.1	4035.0	4353.1	4859.6
25°	4773.2	4793.9	4643.5	4392.9	4109.3	3912.3	3927.8	3952.0	4199.2	4510.4	5051.5
27.5°	5288.4	5314.3	5141.4	4864.8	4474.1	4150.8	4112.8	4133.5	4373.9	4607.2	5153.5
30°	5815.7	5834.7	5661.8	5345.4	4866.6	4420.5	4268.4	4280.5	4449.9	4653.9	5257.3
32.5°	6401.7	6386.2	6220.2	5855.4	5319.5	4743.8	4413.6	4410.2	4534.6	4747.3	5405.9
35°	6951.5	6974.0	6797.6	6394.8	5817.4	5143.2	4631.4	4617.6	4714.4	4899.4	5615.1
37.5°	7617.1	7610.2	7399.2	6963.6	6317.0	5525.2	4937.4	4913.2	4947.8	5136.2	5907.3
40°	8092.5	8140.9	8004.3	7598.1	6901.3	5995.5	5295.3	5241.7	5250.3	5428.4	6298.0
42.5°	8481.5	8526.4	8540.2	8280.9	7570.4	6576.3	5741.3	5687.7	5692.9	5945.3	6778.6
45°	8780.5	8841.1	9036.4	8960.3	8324.1	7247.1	6344.7	6289.4	6292.8	6572.9	7359.5
47.5°	8903.3	8969.0	9364.9	9546.4	9124.6	8049.3	7095.0	7013.7	7025.8	7335.3	8023.3
50°	8863.5	8951.7	9487.6	9997.6	9795.4	8865.3	7992.2	7935.2	7888.5	8338.0	8744.2
52.5°	8521.2	8618.0	9475.5	10284.6	10343.4	9636.3	8918.9	8886.0	8875.6	9402.9	9549.9
55°	7513.3	7675.8	9058.9	10360.7	10772.1	10362.4	9923.3	9868.0	9921.6	10543.9	10364.1
57.5°	6954.9	7076.0	8242.9	10276.0	11123.1	11053.9	10926.0	10931.2	10991.7	11783.5	11351.3
60°	6636.8	6778.6	7789.9	10044.3	11460.2	11894.1	11975.4	11975.4	12084.3	13119.8	12354.0
62.5°	6215.0	6358.5	7366.4	9598.3	11771.4	12883.0	13294.4	13289.2	13332.5	14553.0	13334.2
65°	5359.3	5492.4	6515.8	8894.6	11923.5	13972.1	14793.3	14777.7	14691.3	15828.8	13982.5
67.5°	3891.5	4017.7	4991.0	7556.6	11375.5	14850.3	16337.1	16344.0	15827.1	16632.7	14017.1
70°	2565.5	2652.0	3208.6	4908.0	9250.8	14471.7	16983.7	17004.4	16001.7	16131.4	12475.0
72.5°	1600.9	1661.4	2003.7	2926.8	5466.4	11455.0	15324.0	15381.1	14395.7	14176.1	10250.0
75°	1063.2	1104.7	1332.9	1706.3	2529.2	6199.5	11648.6	11831.9	11538.0	11112.7	7141.7
77.5°	639.7	674.2	848.8	1084.0	1120.3	2422.0	6799.3	7273.0	7314.5	5801.8	2990.8
80°	292.2	331.9	468.5	618.9	596.4	843.7	2397.8	2508.5	2959.7	1842.9	943.9
82.5°	172.9	190.2	311.2	307.7	254.1	409.7	862.7	885.1	752.0	674.2	402.8
85°	69.2	81.3	131.4	115.8	93.4	133.1	325.0	340.6	326.7	293.9	148.7
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	29.4	31.1	44.9	81.3	44.9
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: P636248
 CATALOG NUMBER: GWS-SA3F-735-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2	3957.2
2.5°	3986.6	3976.2	4028.1	4067.9	4085.1	4102.4	4086.9	4081.7	4081.7	4047.1	4029.8
5°	4029.8	4035.0	4105.9	4138.7	4138.7	4124.9	4083.4	4054.0	4043.7	3998.7	3986.6
7.5°	4111.1	4133.5	4199.2	4197.5	4149.1	4073.0	3969.3	3889.8	3817.2	3786.1	3767.0
10°	4244.2	4273.6	4318.5	4245.9	4111.1	3910.5	3691.0	3518.1	3414.4	3331.4	3331.4
12.5°	4396.3	4424.0	4415.3	4247.6	3969.3	3594.2	3277.8	3079.0	2933.8	2857.7	2857.7
15°	4548.5	4570.9	4477.6	4168.1	3673.7	3174.1	2828.3	2589.7	2463.5	2392.7	2392.7
17.5°	4702.3	4700.6	4503.5	3984.9	3288.2	2709.0	2370.2	2185.2	2142.0	2129.9	2128.1
20°	4851.0	4811.2	4470.7	3678.9	2840.4	2240.5	2026.1	2038.2	2102.2	2129.9	2133.3
22.5°	5018.7	4920.1	4373.9	3288.2	2332.1	1915.5	1929.3	2029.6	2123.0	2164.5	2169.6
25°	5189.8	5013.5	4211.3	2830.0	1906.9	1796.2	1903.4	2015.8	2121.2	2174.8	2180.0
27.5°	5259.0	5013.5	3934.7	2299.3	1680.4	1746.1	1863.6	1972.6	2083.2	2145.4	2157.5
30°	5316.0	4970.3	3547.5	1820.4	1587.0	1697.7	1799.7	1899.9	2008.9	2084.9	2098.8
32.5°	5395.6	4932.3	3079.0	1530.0	1543.8	1651.0	1721.9	1806.6	1905.1	1955.3	1950.1
35°	5488.9	4873.5	2513.7	1391.7	1507.5	1611.2	1661.4	1711.5	1666.6	1664.8	1670.0
37.5°	5622.0	4821.6	2021.0	1329.4	1483.3	1583.6	1625.1	1517.9	1455.6	1429.7	1419.3
40°	5813.9	4800.9	1593.9	1293.1	1479.8	1581.8	1552.5	1386.5	1301.8	1211.9	1210.2
42.5°	6056.0	4785.3	1317.3	1275.9	1491.9	1621.6	1452.2	1300.1	1125.4	1085.7	1082.2
45°	6367.2	4761.1	1179.0	1272.4	1521.3	1652.7	1441.8	1180.8	1061.5	1044.2	1044.2
47.5°	6742.3	4723.1	1116.8	1272.4	1554.2	1638.9	1410.7	1154.8	1032.1	1051.1	1063.2
50°	7172.8	4674.7	1084.0	1268.9	1587.0	1638.9	1345.0	1149.6	1025.2	1123.7	1163.5
52.5°	7632.6	4619.3	1061.5	1255.1	1609.5	1640.6	1348.5	1166.9	1032.1	1141.0	1173.9
55°	8140.9	4610.7	1030.4	1225.7	1616.4	1595.7	1357.1	1205.0	1042.5	1033.8	1035.5
57.5°	8782.3	4714.4	1007.9	1182.5	1588.8	1504.1	1374.4	1232.6	1030.4	1032.1	1044.2
60°	9453.0	4909.8	1026.9	1141.0	1531.7	1417.6	1386.5	1218.8	971.6	943.9	947.4
62.5°	10023.6	5058.5	1042.5	1122.0	1448.7	1341.5	1374.4	1187.7	938.7	931.8	947.4
65°	10262.1	4935.7	1004.4	1082.2	1327.7	1248.2	1348.5	1147.9	911.1	885.1	886.9
67.5°	9997.6	4360.0	930.1	994.1	1191.1	1128.9	1307.0	1096.1	873.0	841.9	835.0
70°	8540.2	3203.5	802.2	854.0	1025.2	988.9	1243.0	1028.6	812.5	790.1	774.5
72.5°	6882.3	2268.2	665.6	679.4	803.9	833.3	1132.4	943.9	743.4	679.4	656.9
75°	4790.5	1424.5	554.9	541.1	580.9	636.2	883.4	783.1	641.4	574.0	553.2
77.5°	2060.7	731.3	433.9	427.0	387.3	440.8	677.7	653.5	537.7	459.9	447.8
80°	689.8	423.6	312.9	300.8	257.6	309.5	477.1	522.1	421.8	340.6	319.8
82.5°	345.8	245.5	198.8	179.8	172.9	195.4	281.8	325.0	292.2	235.1	198.8
85°	169.4	140.0	108.9	107.2	89.9	84.7	117.6	138.3	131.4	96.8	91.6
87.5°	62.2	55.3	34.6	27.7	17.3	12.1	6.9	6.9	5.2	5.2	5.2
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)