

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: P639823

Luminaire Tested: GWS-SA5C-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639823
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-SA5C-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24762.4 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 157.5
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

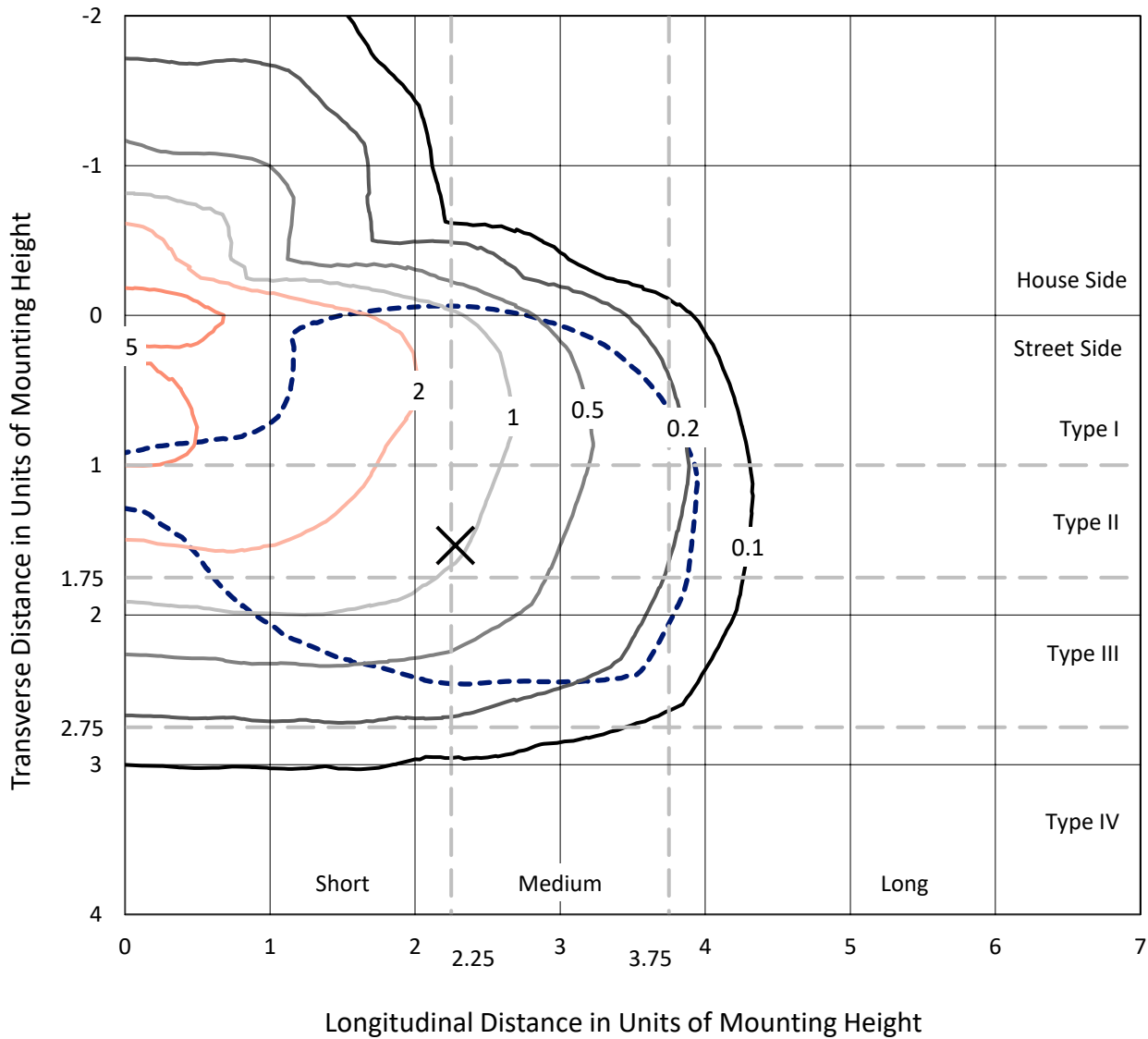


REPORT NUMBER: P639823

CATALOG NUMBER: GWS-SA5C-750-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

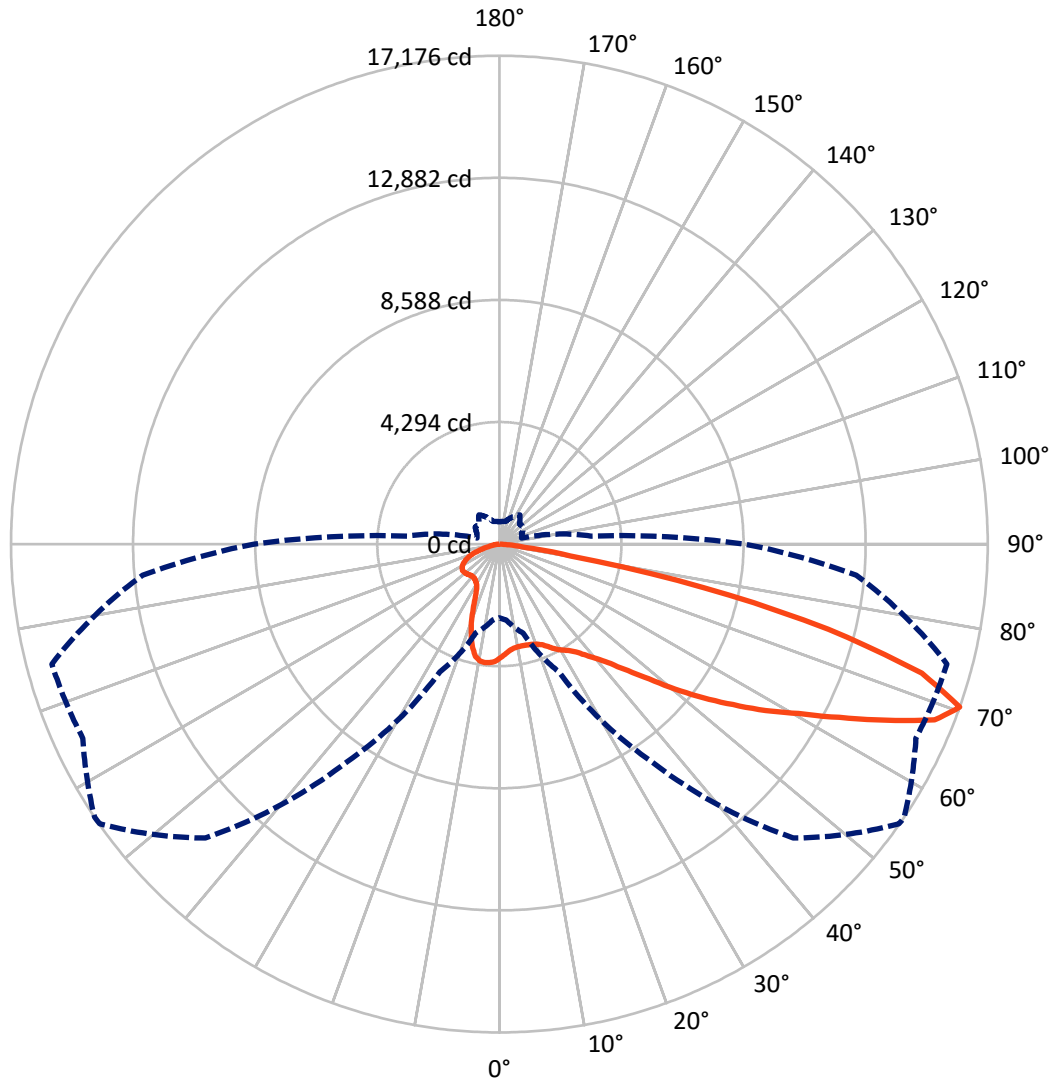
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P639823
CATALOG NUMBER: GWS-SA5C-750-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639823

CATALOG NUMBER: GWS-SA5C-750-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4760.6	0.0	4760.6
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	20001.8	0.0	20001.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	24762.4	0.0	24762.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.9	1.5
10°-20°	1002.2	4.0
20°-30°	1656.9	6.7
30°-40°	2477.3	10.0
40°-50°	3686.6	14.9
50°-60°	5241.2	21.2
60°-70°	6491.5	26.2
70°-80°	3584.4	14.5
80°-90°	252.4	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°	24762.4	100.0
0°-180°	24762.4	100.0

Coefficient of Utilization



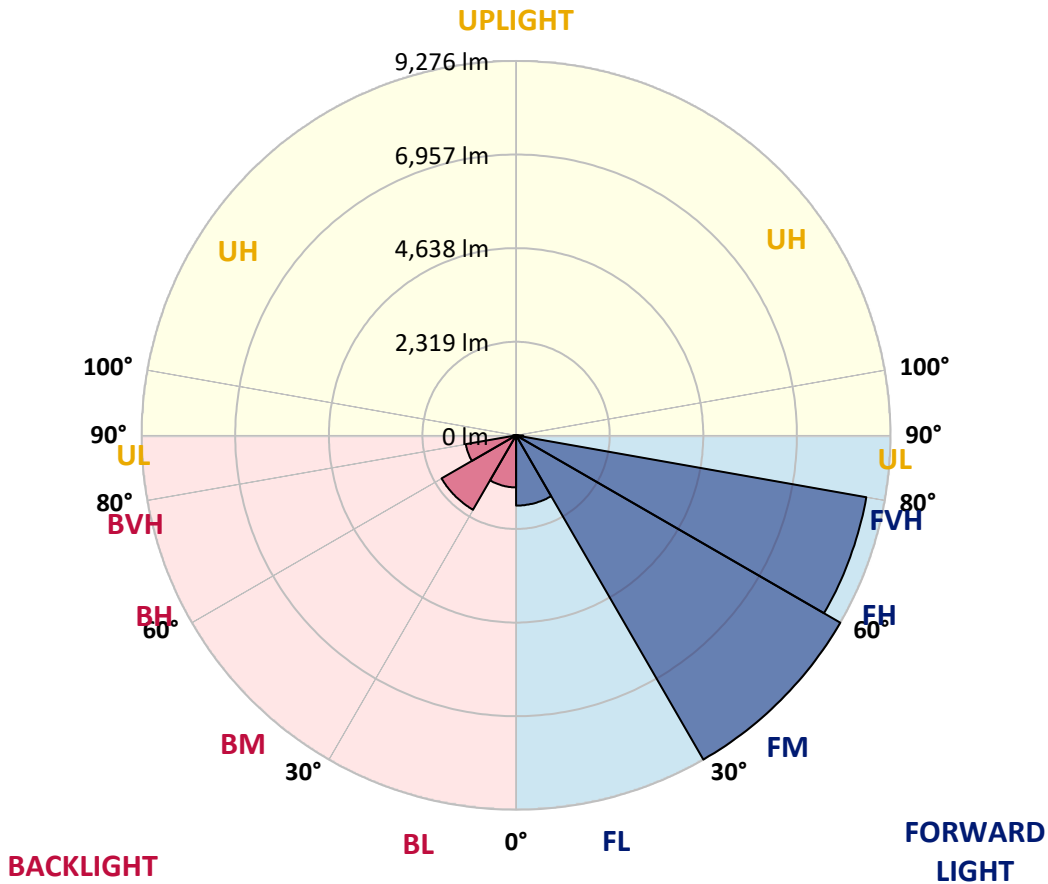
REPORT NUMBER: P639823

CATALOG NUMBER: GWS-SA5C-750-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1740.3	7.0			
FM (30°-60°)	9275.6	37.5			
FH (60°-80°)	8810.5	35.6			G4/12000
FVH (80°-90°)	175.4	0.7			G2/225
BL (0°-30°)	1288.7	5.2	B3/2500		
BM (30°-60°)	2129.5	8.6	B2/2500		
BH (60°-80°)	1265.3	5.1	B3/2500		G3/2500
BVH (80°-90°)	77.0	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: P639823

CATALOG NUMBER: GWS-SA5C-750-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0
2.5°	3740.3	3719.4	3743.8	3756.1	3787.5	3832.9	3873.1	3874.8	3895.8	3946.4	3995.3
5°	3571.0	3560.5	3567.5	3604.1	3637.3	3694.9	3756.1	3761.3	3820.7	3920.2	4018.0
7.5°	3440.0	3426.0	3452.2	3499.4	3541.3	3605.9	3686.2	3693.2	3777.0	3927.2	4077.4
10°	3251.4	3240.9	3289.8	3352.7	3443.5	3550.0	3656.5	3665.3	3775.3	3972.6	4182.1
12.5°	3169.3	3169.3	3190.3	3249.7	3349.2	3490.6	3651.3	3665.3	3803.2	4042.4	4316.6
15°	3296.8	3305.5	3288.1	3284.6	3324.7	3459.2	3658.3	3679.2	3855.6	4114.0	4449.3
17.5°	3553.5	3562.2	3516.8	3445.2	3405.1	3488.9	3684.5	3707.2	3911.5	4192.6	4592.5
20°	3913.2	3923.7	3824.2	3714.1	3576.2	3574.5	3735.1	3756.1	3983.1	4278.2	4744.4
22.5°	4334.0	4341.0	4215.3	4040.7	3829.4	3733.4	3822.4	3843.4	4075.6	4396.9	4908.5
25°	4821.2	4842.2	4690.3	4437.1	4150.7	3951.6	3967.3	3991.8	4241.5	4555.8	5102.4
27.5°	5341.6	5367.8	5193.2	4913.8	4519.1	4192.6	4154.2	4175.1	4417.9	4653.6	5205.4
30°	5874.2	5893.4	5718.8	5399.2	4915.5	4465.0	4311.3	4323.6	4494.7	4700.7	5310.2
32.5°	6466.1	6450.4	6282.8	5914.4	5373.0	4791.5	4458.0	4454.5	4580.3	4795.0	5460.3
35°	7021.4	7044.1	6866.0	6459.2	5875.9	5194.9	4678.0	4664.1	4761.9	4948.7	5671.6
37.5°	7693.7	7686.7	7473.7	7033.7	6380.6	5580.8	4987.1	4962.7	4997.6	5187.9	5966.7
40°	8173.9	8222.8	8084.9	7674.5	6970.8	6055.8	5348.6	5294.5	5303.2	5483.0	6361.4
42.5°	8566.8	8612.2	8626.2	8364.3	7646.6	6642.5	5799.1	5745.0	5750.2	6005.2	6846.8
45°	8868.9	8930.0	9127.3	9050.5	8407.9	7320.0	6408.5	6352.6	6356.1	6639.0	7433.5
47.5°	8992.9	9059.2	9459.1	9642.5	9216.4	8130.3	7166.4	7084.3	7096.5	7409.1	8104.1
50°	8952.7	9041.8	9583.1	10098.2	9893.9	8954.5	8072.6	8015.0	7967.9	8421.9	8832.2
52.5°	8607.0	8704.8	9570.9	10388.1	10447.5	9733.3	9008.6	8975.4	8964.9	9497.5	9646.0
55°	7588.9	7753.1	9150.0	10464.9	10880.5	10466.7	10023.1	9967.3	10021.4	10650.0	10468.4
57.5°	7024.9	7147.2	8325.8	10379.4	11235.0	11165.1	11035.9	11041.2	11102.3	11902.0	11465.5
60°	6703.6	6846.8	7868.3	10145.4	11575.5	12013.8	12095.9	12095.9	12205.9	13251.8	12478.3
62.5°	6277.6	6422.5	7440.5	9694.9	11889.8	13012.6	13428.2	13423.0	13466.6	14699.4	13468.4
65°	5413.2	5547.7	6581.4	8984.2	12043.5	14112.7	14942.2	14926.4	14839.1	15988.1	14123.2
67.5°	3930.7	4058.1	5041.3	7632.6	11489.9	14999.8	16501.5	16508.5	15986.4	16800.1	14158.1
70°	2591.3	2678.7	3240.9	4957.4	9343.9	14617.4	17154.6	17175.5	16162.7	16293.7	12600.5
72.5°	1617.0	1678.1	2023.8	2956.3	5521.5	11570.3	15478.2	15535.9	14540.5	14318.8	10353.2
75°	1073.9	1115.8	1346.3	1723.5	2554.7	6261.8	11765.8	11950.9	11654.1	11224.5	7213.5
77.5°	646.1	681.0	857.4	1094.9	1131.5	2446.4	6867.8	7346.2	7388.1	5860.2	3020.9
80°	295.1	335.3	473.2	625.1	602.4	852.1	2422.0	2533.7	2989.5	1861.4	953.4
82.5°	174.6	192.1	314.3	310.8	256.7	413.8	871.3	894.1	759.6	681.0	406.9
85°	69.8	82.1	132.7	117.0	94.3	134.5	328.3	344.0	330.0	296.9	150.2
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	29.7	31.4	45.4	82.1	45.4
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: P639823
 CATALOG NUMBER: GWS-SA5C-750-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0	3997.0
2.5°	4026.7	4016.2	4068.6	4108.8	4126.3	4143.7	4128.0	4122.8	4122.8	4087.8	4070.4
5°	4070.4	4075.6	4147.2	4180.4	4180.4	4166.4	4124.5	4094.8	4084.3	4038.9	4026.7
7.5°	4152.4	4175.1	4241.5	4239.8	4190.9	4114.0	4009.3	3928.9	3855.6	3824.2	3805.0
10°	4286.9	4316.6	4362.0	4288.6	4152.4	3949.9	3728.1	3553.5	3448.7	3364.9	3364.9
12.5°	4440.6	4468.5	4459.8	4290.4	4009.3	3630.3	3310.8	3110.0	2963.3	2886.5	2886.5
15°	4594.2	4616.9	4522.6	4210.1	3710.7	3206.0	2856.8	2615.8	2488.3	2416.7	2416.7
17.5°	4749.6	4747.9	4548.8	4025.0	3321.3	2736.3	2394.0	2207.2	2163.5	2151.3	2149.6
20°	4899.8	4859.7	4515.7	3715.9	2869.0	2263.1	2046.5	2058.8	2123.4	2151.3	2154.8
22.5°	5069.2	4969.7	4417.9	3321.3	2355.6	1934.8	1948.7	2050.0	2144.3	2186.2	2191.5
25°	5242.1	5064.0	4253.7	2858.5	1926.0	1814.3	1922.6	2036.1	2142.6	2196.7	2201.9
27.5°	5311.9	5064.0	3974.3	2322.4	1697.3	1763.7	1882.4	1992.4	2104.2	2167.0	2179.2
30°	5369.5	5020.3	3583.2	1838.7	1603.0	1714.8	1817.8	1919.1	2029.1	2105.9	2119.9
32.5°	5449.9	4981.9	3110.0	1545.4	1559.3	1667.6	1739.2	1824.8	1924.3	1974.9	1969.7
35°	5544.2	4922.5	2539.0	1405.7	1522.7	1627.5	1678.1	1728.7	1683.3	1681.6	1686.8
37.5°	5678.6	4870.1	2041.3	1342.8	1498.2	1599.5	1641.4	1533.2	1470.3	1444.1	1433.6
40°	5872.4	4849.2	1610.0	1306.2	1494.7	1597.8	1568.1	1400.4	1314.9	1224.1	1222.3
42.5°	6116.9	4833.5	1330.6	1288.7	1507.0	1637.9	1466.8	1313.1	1136.8	1096.6	1093.1
45°	6431.2	4809.0	1190.9	1285.2	1536.6	1669.4	1456.3	1192.6	1072.2	1054.7	1054.7
47.5°	6810.1	4770.6	1128.0	1285.2	1569.8	1655.4	1424.9	1166.5	1042.5	1061.7	1073.9
50°	7244.9	4721.7	1094.9	1281.7	1603.0	1655.4	1358.5	1161.2	1035.5	1135.0	1175.2
52.5°	7709.4	4665.8	1072.2	1267.7	1625.7	1657.1	1362.0	1178.7	1042.5	1152.5	1185.7
55°	8222.8	4657.1	1040.7	1238.0	1632.7	1611.7	1370.8	1217.1	1053.0	1044.2	1046.0
57.5°	8870.7	4761.9	1018.0	1194.4	1604.7	1519.2	1388.2	1245.0	1040.7	1042.5	1054.7
60°	9548.2	4959.2	1037.2	1152.5	1547.1	1431.9	1400.4	1231.1	981.4	953.4	956.9
62.5°	10124.4	5109.4	1053.0	1133.3	1463.3	1355.0	1388.2	1199.6	948.2	941.2	956.9
65°	10365.4	4985.4	1014.5	1093.1	1341.1	1260.8	1362.0	1159.5	920.2	894.1	895.8
67.5°	10098.2	4403.9	939.5	1004.1	1203.1	1140.3	1320.1	1107.1	881.8	850.4	843.4
70°	8626.2	3235.7	810.2	862.6	1035.5	998.8	1255.5	1039.0	820.7	798.0	782.3
72.5°	6951.6	2291.0	672.3	686.3	812.0	841.7	1143.8	953.4	750.9	686.3	663.6
75°	4838.7	1438.9	560.5	546.6	586.7	642.6	892.3	791.0	647.8	579.7	558.8
77.5°	2081.5	738.6	438.3	431.3	391.1	445.3	684.5	660.1	543.1	464.5	452.3
80°	696.7	427.8	316.1	303.8	260.2	312.6	481.9	527.3	426.1	344.0	323.0
82.5°	349.2	248.0	200.8	181.6	174.6	197.3	284.6	328.3	295.1	237.5	200.8
85°	171.1	141.4	110.0	108.3	90.8	85.6	118.7	139.7	132.7	97.8	92.5
87.5°	62.9	55.9	34.9	27.9	17.5	12.2	7.0	7.0	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)