

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: P634844

Luminaire Tested: GWS-SA3C-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11949.7 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

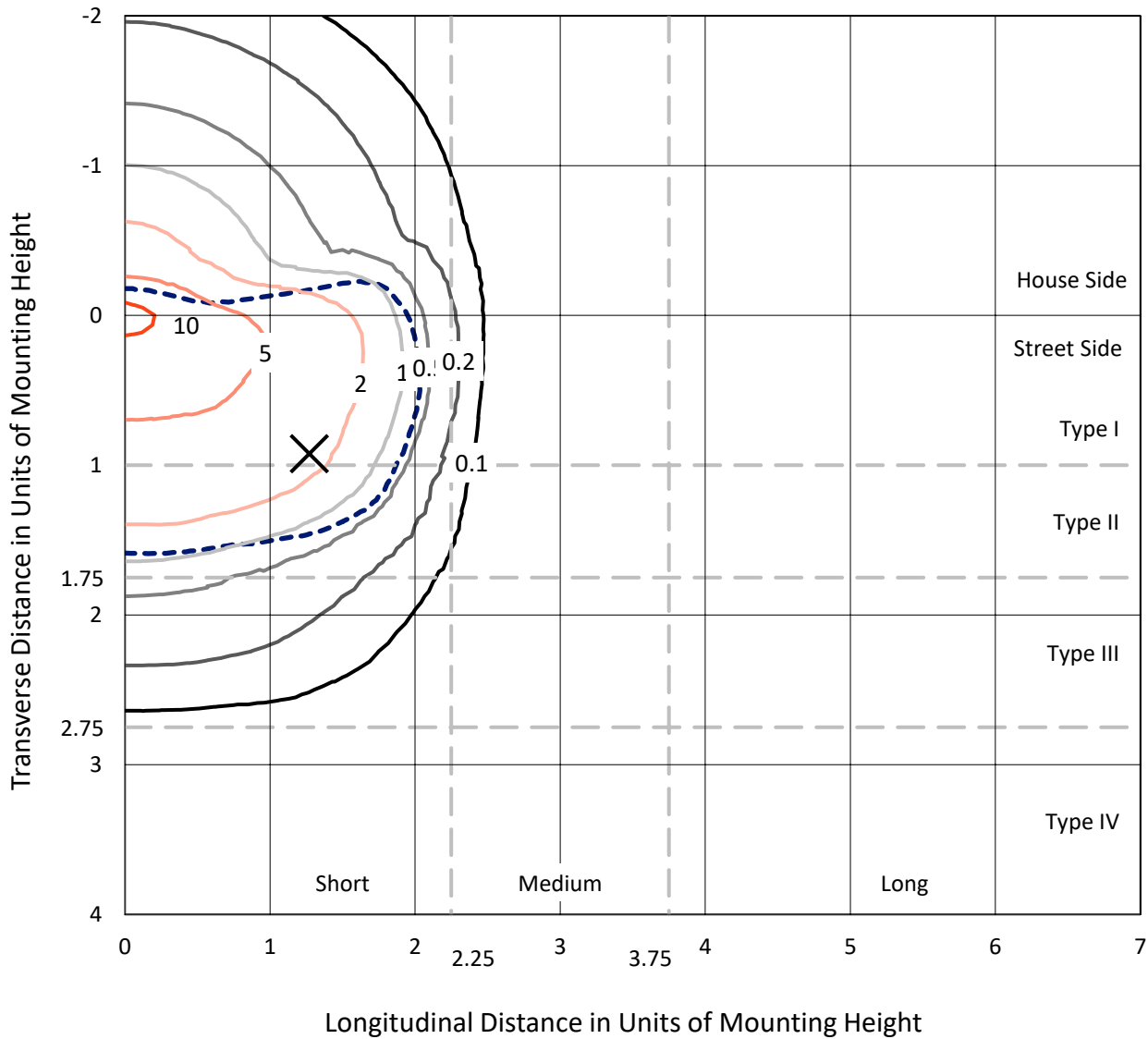
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

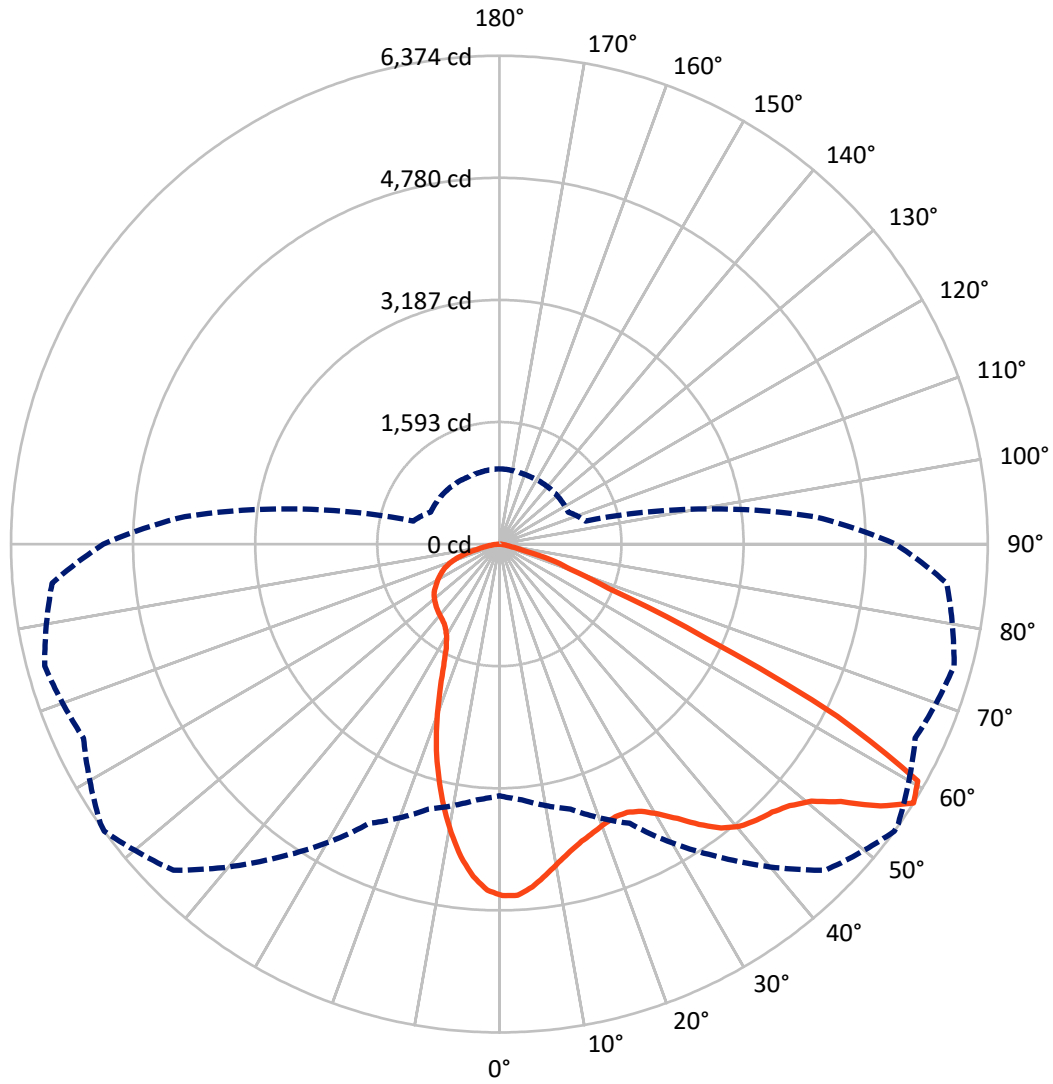
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

REPORT NUMBER: P634844
CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3473.9	0.0	3473.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	8475.8	0.0	8475.8
	% Fixture	70.9	0.0	70.9
Total	Lumens	11949.7	0.0	11949.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.3	3.4
10°-20°	962.2	8.1
20°-30°	1331.6	11.1
30°-40°	1850.2	15.5
40°-50°	2443.6	20.4
50°-60°	2903.9	24.3
60°-70°	1608.8	13.5
70°-80°	400.6	3.4
80°-90°	45.6	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°	11949.7	100.0
0°-180°	11949.7	100.0

Coefficient of Utilization



REPORT NUMBER: P634844

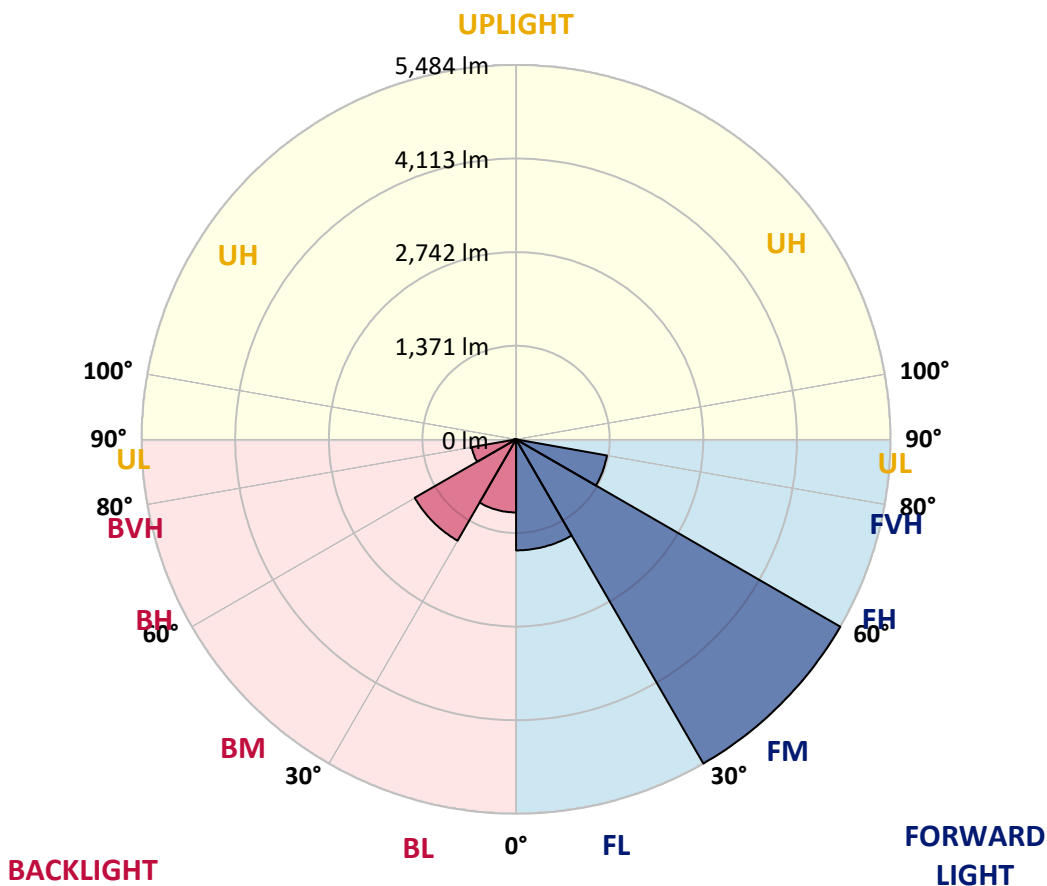
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1626.5	13.6			
FM (30°-60°)	5483.9	45.9			
FH (60°-80°)	1351.1	11.3			G1/1800
FVH (80°-90°)	14.3	0.1			G1/100
BL (0°-30°)	1070.5	9.0	B3/2500		
BM (30°-60°)	1713.8	14.3	B2/2500		
BH (60°-80°)	658.3	5.5	B2/1000		G2/1000
BVH (80°-90°)	31.3	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-G2

Type II Short





REPORT NUMBER: P634844

CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8
2.5°	4501.8	4511.0	4517.2	4538.7	4557.1	4573.4	4590.8	4590.8	4589.8	4586.7	4580.6
5°	4323.8	4334.1	4348.4	4378.1	4418.0	4446.6	4493.7	4497.7	4518.2	4526.4	4522.3
7.5°	4117.2	4120.3	4138.7	4177.6	4241.0	4292.1	4359.7	4367.8	4416.9	4445.6	4440.5
10°	3891.2	3880.9	3913.7	3970.9	4053.8	4139.7	4226.7	4233.8	4312.6	4366.8	4362.7
12.5°	3684.5	3685.6	3718.3	3787.8	3891.2	3997.5	4114.2	4130.5	4227.7	4297.3	4290.1
15°	3511.7	3515.7	3555.6	3634.4	3752.0	3878.9	4024.1	4039.5	4162.2	4254.3	4233.8
17.5°	3373.6	3377.7	3412.4	3502.5	3628.3	3781.7	3958.7	3974.0	4126.4	4235.9	4193.9
20°	3278.4	3276.4	3310.1	3396.1	3526.0	3692.7	3901.4	3923.9	4115.2	4243.0	4167.3
22.5°	3239.6	3238.5	3263.1	3333.7	3455.4	3624.2	3866.6	3897.3	4127.5	4274.8	4151.0
25°	3259.0	3254.9	3276.4	3328.6	3425.7	3597.6	3876.8	3909.6	4179.6	4340.2	4154.0
27.5°	3319.4	3314.2	3332.6	3379.7	3453.4	3625.2	3948.4	3986.3	4290.1	4459.9	4195.0
30°	3411.4	3408.3	3426.8	3471.8	3536.2	3717.3	4085.5	4128.5	4460.9	4646.1	4284.0
32.5°	3518.8	3513.7	3546.4	3598.6	3673.3	3885.0	4269.6	4325.9	4663.5	4885.4	4433.3
35°	3639.5	3635.4	3680.4	3756.1	3863.5	4118.2	4492.6	4554.0	4870.1	5156.5	4631.7
37.5°	3757.2	3757.2	3844.1	3956.6	4091.6	4371.9	4702.3	4741.2	5013.3	5396.9	4844.5
40°	3861.5	3867.6	3998.6	4167.3	4339.2	4601.1	4840.4	4873.2	5076.7	5562.6	5029.7
42.5°	3977.1	3982.2	4134.6	4355.6	4560.1	4786.2	4924.3	4940.7	5089.0	5645.5	5160.6
45°	4069.1	4076.3	4265.5	4501.8	4752.5	4925.3	4990.8	5005.1	5106.4	5690.5	5255.7
47.5°	4117.2	4127.5	4344.3	4619.5	4882.4	5050.1	5100.2	5106.4	5178.0	5769.2	5370.3
50°	4109.0	4129.5	4374.0	4677.8	4978.5	5175.9	5276.2	5286.4	5324.3	5884.8	5504.3
52.5°	4181.7	4190.9	4437.4	4747.3	5115.6	5408.1	5582.0	5596.4	5579.0	5971.8	5584.1
55°	4061.0	4104.9	4358.6	4737.1	5324.3	5767.2	6035.2	6028.0	5810.1	6068.9	5717.1
57.5°	3284.6	3349.0	3581.2	4021.1	4980.6	6018.8	6373.8	6356.4	5989.2	6143.6	5861.3
60°	2273.9	2284.2	2493.9	2805.8	3844.1	5317.1	6274.5	6312.4	6021.9	6049.5	5594.3
62.5°	1818.7	1815.7	1835.1	1843.3	2444.8	3737.7	4952.9	5091.0	5003.1	4713.6	3964.8
65°	1552.8	1564.0	1621.3	1591.7	1595.7	2105.2	2959.3	2978.7	2917.3	2813.0	2097.0
67.5°	1215.2	1234.7	1335.9	1451.5	1414.7	1355.4	1535.4	1526.2	1202.9	930.9	769.2
70°	761.0	773.3	881.8	1139.5	1231.6	1112.9	987.1	983.0	644.4	529.9	581.0
72.5°	443.9	446.0	476.7	635.2	817.3	761.0	726.3	699.7	414.3	422.5	463.4
75°	244.5	244.5	243.5	274.1	322.2	285.4	276.2	269.0	277.2	314.0	344.7
77.5°	51.1	52.2	55.2	72.6	94.1	114.6	144.2	145.3	181.1	209.7	234.2
80°	23.5	24.5	30.7	38.9	50.1	66.5	88.0	89.0	109.5	132.0	148.3
82.5°	12.3	13.3	16.4	20.5	26.6	34.8	49.1	49.1	65.5	77.7	88.0
85°	4.1	4.1	6.1	8.2	11.3	14.3	19.4	19.4	28.6	37.8	44.0
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	4.1	4.1	5.1	6.1	10.2
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: P634844

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8
2.5°	4567.3	4535.6	4536.6	4542.8	4523.3	4493.7	4474.2	4449.7	4434.3	4431.3	4442.5
5°	4501.8	4465.0	4439.4	4412.8	4357.6	4292.1	4241.0	4199.1	4171.4	4161.2	4148.9
7.5°	4411.8	4363.7	4299.3	4224.6	4124.4	4007.8	3925.9	3849.2	3796.0	3780.7	3773.5
10°	4321.8	4252.2	4137.7	3998.6	3831.8	3674.3	3526.0	3412.4	3322.4	3271.3	3287.6
12.5°	4228.7	4142.8	3963.8	3750.0	3517.8	3280.5	3086.1	2897.9	2752.7	2680.0	2658.5
15°	4146.9	4030.3	3780.7	3491.2	3182.3	2883.6	2602.3	2320.0	2135.8	2035.6	2008.0
17.5°	4077.3	3925.9	3587.4	3227.3	2858.0	2432.5	2086.7	1824.9	1699.1	1643.8	1639.7
20°	4008.8	3823.6	3396.1	2942.9	2483.6	2007.0	1698.0	1575.3	1530.3	1510.8	1509.8
22.5°	3947.4	3716.2	3194.6	2658.5	2111.3	1686.8	1517.0	1463.8	1451.5	1451.5	1449.5
25°	3895.2	3608.8	2987.9	2356.8	1774.8	1501.6	1422.9	1400.4	1405.5	1414.7	1415.7
27.5°	3873.8	3525.0	2788.5	2046.8	1542.6	1394.2	1358.4	1355.4	1369.7	1384.0	1386.0
30°	3896.3	3467.7	2583.9	1750.2	1403.4	1328.8	1312.4	1318.5	1335.9	1350.2	1350.2
32.5°	3965.8	3439.0	2375.2	1533.3	1322.6	1282.7	1277.6	1283.8	1297.1	1305.2	1306.3
35°	4083.5	3450.3	2159.4	1387.1	1270.5	1249.0	1248.0	1252.0	1257.2	1262.3	1263.3
37.5°	4231.8	3500.4	1928.2	1302.2	1236.7	1224.4	1222.4	1221.4	1222.4	1222.4	1223.4
40°	4377.0	3576.1	1721.6	1252.0	1213.2	1202.9	1197.8	1190.7	1189.6	1187.6	1186.6
42.5°	4484.4	3634.4	1556.9	1216.2	1191.7	1179.4	1173.3	1162.0	1161.0	1160.0	1159.0
45°	4565.3	3683.5	1419.8	1181.5	1169.2	1157.9	1144.6	1134.4	1136.5	1138.5	1138.5
47.5°	4656.3	3726.5	1319.6	1148.7	1141.6	1130.3	1114.0	1106.8	1114.0	1121.1	1121.1
50°	4766.8	3786.8	1237.7	1116.0	1112.9	1099.6	1085.3	1082.2	1090.4	1100.7	1100.7
52.5°	4847.6	3839.0	1179.4	1083.3	1083.3	1065.9	1053.6	1052.6	1061.8	1072.0	1073.0
55°	4999.0	3960.7	1159.0	1045.4	1041.3	1028.0	1018.8	1011.7	1022.9	1032.1	1032.1
57.5°	5169.8	4122.3	1164.1	991.2	986.1	982.0	974.8	966.7	969.7	979.9	981.0
60°	4807.7	3809.3	1107.8	937.0	933.9	931.9	922.7	908.3	912.4	920.6	921.6
62.5°	3358.2	2531.7	896.1	869.5	879.7	878.7	866.4	850.0	851.1	862.3	862.3
65°	1743.0	1369.7	786.6	808.1	823.4	817.3	796.8	782.5	780.5	794.8	791.7
67.5°	751.8	747.7	716.0	743.7	760.0	746.7	725.2	701.7	703.8	708.9	704.8
70°	605.6	624.0	637.3	666.9	680.2	655.7	632.2	618.9	607.6	606.6	599.4
72.5°	483.8	509.4	539.1	569.8	573.9	549.3	519.6	507.4	490.0	489.0	481.8
75°	364.2	385.6	409.2	433.7	433.7	410.2	390.8	384.6	364.2	358.0	351.9
77.5°	248.6	261.9	280.3	286.4	292.6	283.3	263.9	253.7	230.2	224.0	215.8
80°	156.5	165.7	177.0	181.1	187.2	175.9	160.6	149.3	133.0	127.9	123.8
82.5°	94.1	100.2	107.4	109.5	114.6	106.4	92.1	83.9	74.7	70.6	67.5
85°	48.1	51.1	55.2	56.3	55.2	47.1	41.9	37.8	31.7	30.7	28.6
87.5°	12.3	14.3	15.3	14.3	13.3	10.2	7.2	5.1	2.0	2.0	1.0
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)