

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: P634899

Luminaire Tested: GWS-SA3C-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634899
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11785.9 lumens
Efficiency: N/A
Efficacy: 126.7 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

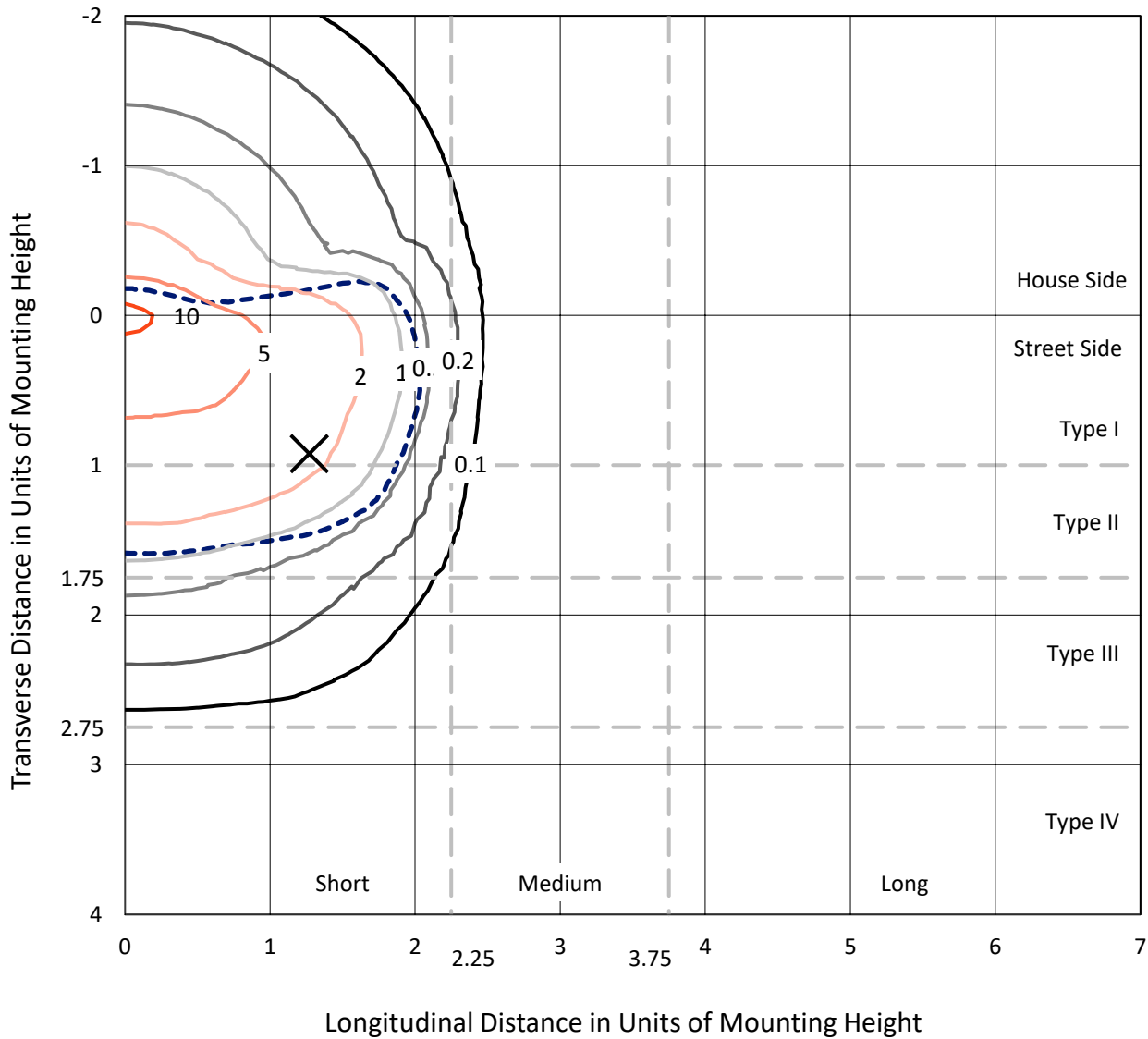
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

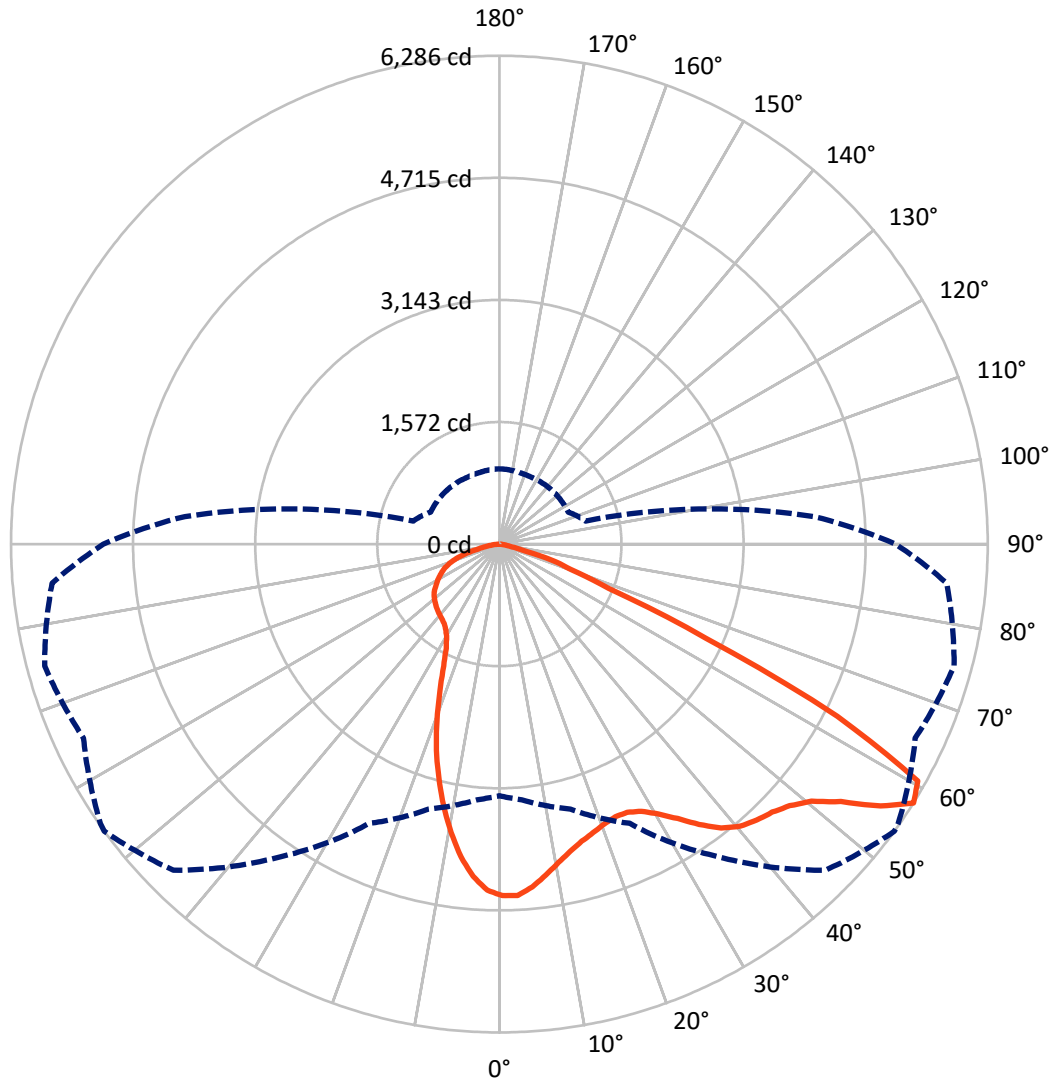
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3426.3	0.0	3426.3
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	8359.6	0.0	8359.6
	% Fixture	70.9	0.0	70.9
Total	Lumens	11785.9	0.0	11785.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.7	3.4
10°-20°	949.0	8.1
20°-30°	1313.3	11.1
30°-40°	1824.9	15.5
40°-50°	2410.1	20.4
50°-60°	2864.0	24.3
60°-70°	1586.7	13.5
70°-80°	395.1	3.4
80°-90°	44.9	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°	11785.9	100.0
0°-180°	11785.9	100.0

Coefficient of Utilization



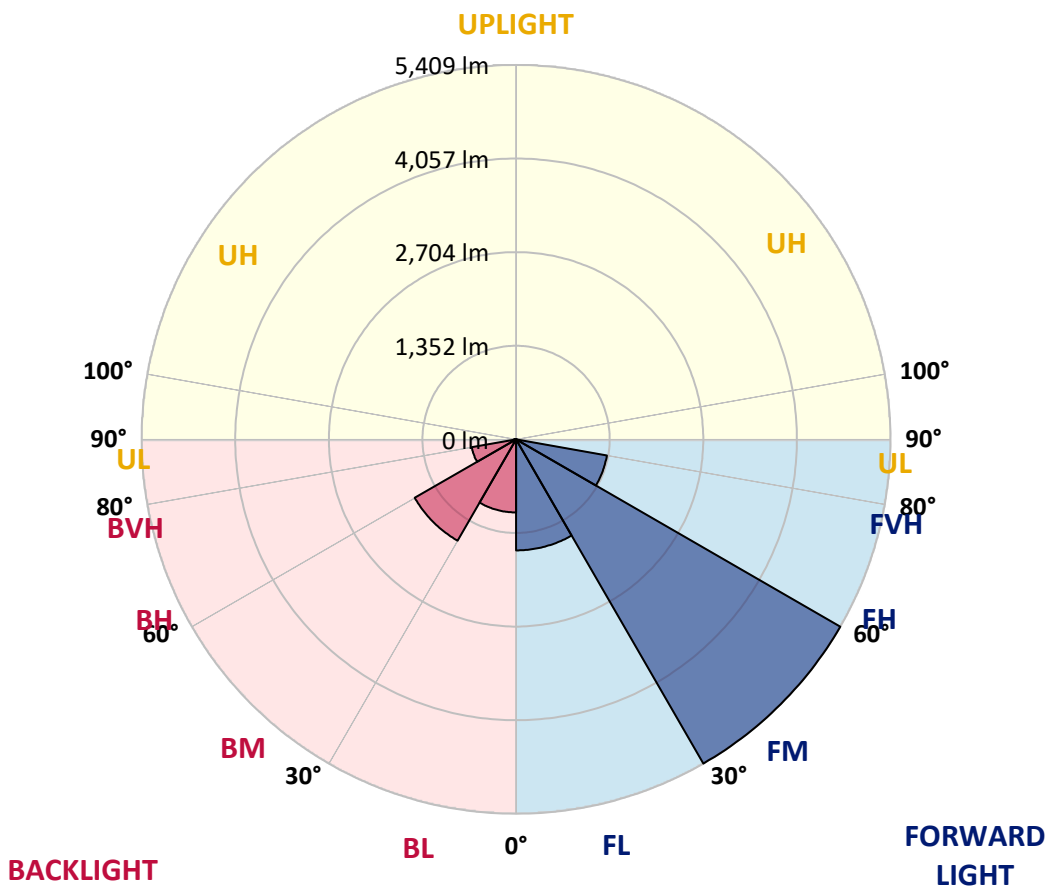
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1604.3	13.6			
FM (30°-60°)	5408.7	45.9			
FH (60°-80°)	1332.6	11.3			G1/1800
FVH (80°-90°)	14.1	0.1			G1/100
BL (0°-30°)	1055.8	9.0	B3/2500		
BM (30°-60°)	1690.3	14.3	B2/2500		
BH (60°-80°)	649.3	5.5	B2/1000		G2/1000
BVH (80°-90°)	30.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9
2.5°	4440.1	4449.2	4455.3	4476.4	4494.6	4510.8	4527.9	4527.9	4526.9	4523.9	4517.8
5°	4264.6	4274.7	4288.8	4318.1	4357.4	4385.6	4432.1	4436.1	4456.3	4464.3	4460.3
7.5°	4060.8	4063.8	4082.0	4120.3	4182.9	4233.3	4299.9	4308.0	4356.4	4384.6	4379.6
10°	3837.8	3827.7	3860.0	3916.5	3998.2	4083.0	4168.7	4175.8	4253.5	4307.0	4302.9
12.5°	3634.0	3635.0	3667.3	3735.9	3837.8	3942.7	4057.8	4073.9	4169.7	4238.3	4231.3
15°	3463.5	3467.6	3506.9	3584.6	3700.6	3825.7	3969.0	3984.1	4105.2	4196.0	4175.8
17.5°	3327.3	3331.4	3365.7	3454.4	3578.5	3729.9	3904.4	3919.5	4069.9	4177.8	4136.5
20°	3233.5	3231.5	3264.8	3349.5	3477.6	3642.1	3847.9	3870.1	4058.8	4184.9	4110.2
22.5°	3195.2	3194.1	3218.4	3288.0	3408.0	3574.5	3813.6	3843.9	4070.9	4216.2	4094.1
25°	3214.3	3210.3	3231.5	3282.9	3378.8	3548.3	3823.7	3856.0	4122.3	4280.7	4097.1
27.5°	3273.9	3268.8	3287.0	3333.4	3406.0	3575.5	3894.3	3931.6	4231.3	4398.8	4137.5
30°	3364.7	3361.6	3379.8	3424.2	3487.7	3666.3	4029.5	4071.9	4399.8	4582.4	4225.2
32.5°	3470.6	3465.5	3497.8	3549.3	3622.9	3831.8	4211.1	4266.6	4599.5	4818.5	4372.5
35°	3589.6	3585.6	3630.0	3704.6	3810.6	4061.8	4431.0	4491.6	4803.3	5085.8	4568.3
37.5°	3705.7	3705.7	3791.4	3902.4	4035.6	4312.0	4637.9	4676.2	4944.6	5322.9	4778.1
40°	3808.6	3814.6	3943.8	4110.2	4279.7	4538.0	4774.1	4806.4	5007.1	5486.3	4960.7
42.5°	3922.6	3927.6	4077.9	4295.9	4497.6	4720.6	4856.8	4872.9	5019.2	5568.1	5089.9
45°	4013.4	4020.4	4207.1	4440.1	4687.3	4857.8	4922.4	4936.5	5036.4	5612.5	5183.7
47.5°	4060.8	4070.9	4284.8	4556.2	4815.4	4980.9	5030.3	5036.4	5107.0	5690.1	5296.7
50°	4052.7	4072.9	4314.0	4613.7	4910.3	5105.0	5203.9	5213.9	5251.3	5804.1	5428.8
52.5°	4124.3	4133.4	4376.6	4682.3	5045.5	5334.0	5505.5	5519.6	5502.5	5889.9	5507.5
55°	4005.3	4048.7	4298.9	4672.2	5251.3	5688.1	5952.5	5945.4	5730.5	5985.7	5638.7
57.5°	3239.5	3303.1	3532.1	3965.9	4912.3	5936.3	6286.4	6269.2	5907.1	6059.4	5780.9
60°	2242.8	2252.9	2459.7	2767.4	3791.4	5244.2	6188.5	6225.9	5939.3	5966.6	5517.6
62.5°	1793.8	1790.8	1809.9	1818.0	2411.2	3686.5	4885.0	5021.2	4934.5	4649.0	3910.5
65°	1531.5	1542.6	1599.1	1569.8	1573.9	2076.3	2918.7	2937.9	2877.4	2774.4	2068.2
67.5°	1198.6	1217.7	1317.6	1431.6	1395.3	1336.8	1514.3	1505.3	1186.5	918.1	758.7
70°	750.6	762.7	869.7	1123.9	1214.7	1097.7	973.6	969.5	635.6	522.6	573.0
72.5°	437.9	439.9	470.1	626.5	806.1	750.6	716.3	690.1	408.6	416.7	457.0
75°	241.1	241.1	240.1	270.4	317.8	281.5	272.4	265.3	273.4	309.7	340.0
77.5°	50.4	51.5	54.5	71.6	92.8	113.0	142.3	143.3	178.6	206.8	231.0
80°	23.2	24.2	30.3	38.3	49.4	65.6	86.8	87.8	108.0	130.1	146.3
82.5°	12.1	13.1	16.1	20.2	26.2	34.3	48.4	48.4	64.6	76.7	86.8
85°	4.0	4.0	6.1	8.1	11.1	14.1	19.2	19.2	28.2	37.3	43.4
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	4.0	4.0	5.0	6.1	10.1
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°	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9	4524.9
2.5°	4504.7	4473.4	4474.4	4480.5	4461.3	4432.1	4412.9	4388.7	4373.5	4370.5	4381.6
5°	4440.1	4403.8	4378.6	4352.4	4297.9	4233.3	4182.9	4141.5	4114.3	4104.2	4092.1
7.5°	4351.3	4303.9	4240.4	4166.7	4067.8	3952.8	3872.1	3796.5	3744.0	3728.9	3721.8
10°	4262.6	4194.0	4081.0	3943.8	3779.3	3623.9	3477.6	3365.7	3276.9	3226.4	3242.6
12.5°	4170.8	4086.0	3909.5	3698.6	3469.6	3235.5	3043.8	2858.2	2714.9	2643.3	2622.1
15°	4090.0	3975.0	3728.9	3443.3	3138.7	2844.1	2566.6	2288.2	2106.6	2007.7	1980.5
17.5°	4021.4	3872.1	3538.2	3183.1	2818.8	2399.1	2058.1	1799.9	1675.8	1621.3	1617.3
20°	3953.8	3771.2	3349.5	2902.6	2449.6	1979.4	1674.8	1553.7	1509.3	1490.1	1489.1
22.5°	3893.3	3665.3	3150.8	2622.1	2082.4	1663.7	1496.2	1443.7	1431.6	1431.6	1429.6
25°	3841.9	3559.4	2947.0	2324.5	1750.4	1481.1	1403.4	1381.2	1386.2	1395.3	1396.3
27.5°	3820.7	3476.6	2750.2	2018.8	1521.4	1375.1	1339.8	1336.8	1350.9	1365.0	1367.0
30°	3842.9	3420.1	2548.5	1726.2	1384.2	1310.5	1294.4	1300.5	1317.6	1331.7	1331.7
32.5°	3911.5	3391.9	2342.6	1512.3	1304.5	1265.1	1260.1	1266.2	1279.3	1287.3	1288.4
35°	4027.5	3403.0	2129.8	1368.1	1253.0	1231.9	1230.8	1234.9	1239.9	1245.0	1246.0
37.5°	4173.8	3452.4	1901.8	1284.3	1219.7	1207.6	1205.6	1204.6	1205.6	1205.6	1206.6
40°	4317.0	3527.1	1698.0	1234.9	1196.5	1186.5	1181.4	1174.3	1173.3	1171.3	1170.3
42.5°	4423.0	3584.6	1535.5	1199.6	1175.4	1163.3	1157.2	1146.1	1145.1	1144.1	1143.1
45°	4502.7	3633.0	1400.3	1165.3	1153.2	1142.1	1128.9	1118.9	1120.9	1122.9	1122.9
47.5°	4592.5	3675.4	1301.5	1133.0	1125.9	1114.8	1098.7	1091.6	1098.7	1105.7	1105.7
50°	4701.4	3734.9	1220.8	1100.7	1097.7	1084.6	1070.4	1067.4	1075.5	1085.6	1085.6
52.5°	4781.1	3786.4	1163.3	1068.4	1068.4	1051.3	1039.2	1038.1	1047.2	1057.3	1058.3
55°	4930.4	3906.4	1143.1	1031.1	1027.1	1013.9	1004.9	997.8	1008.9	1018.0	1018.0
57.5°	5098.9	4065.8	1148.1	977.6	972.6	968.5	961.5	953.4	956.4	966.5	967.5
60°	4741.8	3757.1	1092.6	924.1	921.1	919.1	910.0	895.9	899.9	908.0	909.0
62.5°	3312.2	2497.0	883.8	857.6	867.6	866.6	854.5	838.4	839.4	850.5	850.5
65°	1719.1	1350.9	775.8	797.0	812.2	806.1	785.9	771.8	769.8	783.9	780.9
67.5°	741.5	737.5	706.2	733.5	749.6	736.5	715.3	692.1	694.1	699.2	695.1
70°	597.3	615.4	628.5	657.8	670.9	646.7	623.5	610.4	599.3	598.3	591.2
72.5°	477.2	502.4	531.7	562.0	566.0	541.8	512.5	500.4	483.3	482.2	475.2
75°	359.2	380.4	403.6	427.8	427.8	404.6	385.4	379.3	359.2	353.1	347.1
77.5°	245.2	258.3	276.4	282.5	288.5	279.5	260.3	250.2	227.0	220.9	212.9
80°	154.4	163.4	174.5	178.6	184.6	173.5	158.4	147.3	131.2	126.1	122.1
82.5°	92.8	98.9	105.9	108.0	113.0	104.9	90.8	82.7	73.6	69.6	66.6
85°	47.4	50.4	54.5	55.5	54.5	46.4	41.4	37.3	31.3	30.3	28.2
87.5°	12.1	14.1	15.1	14.1	13.1	10.1	7.1	5.0	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)