

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: P633410

Luminaire Tested: GWS-SA2E-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12538 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

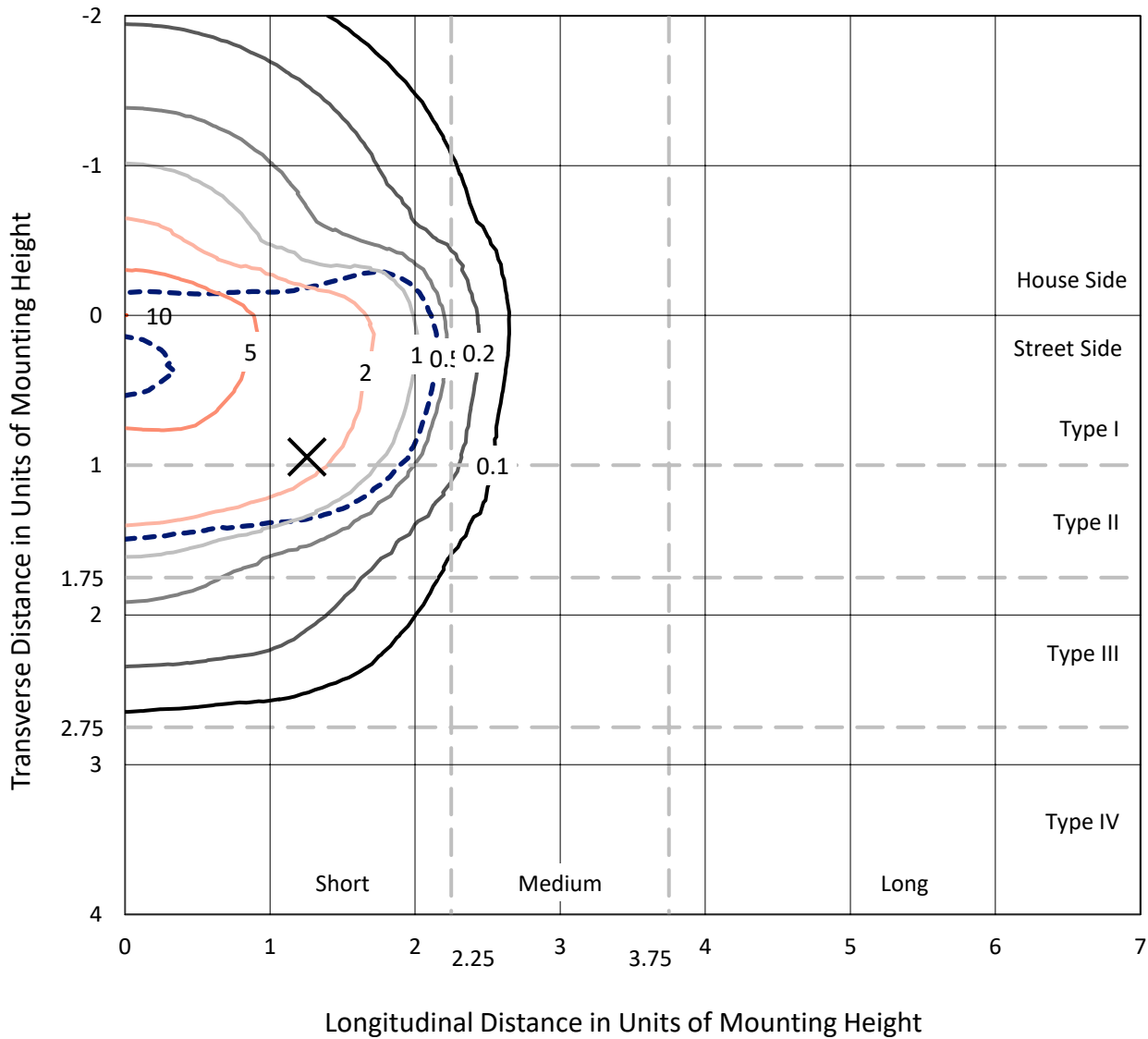
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

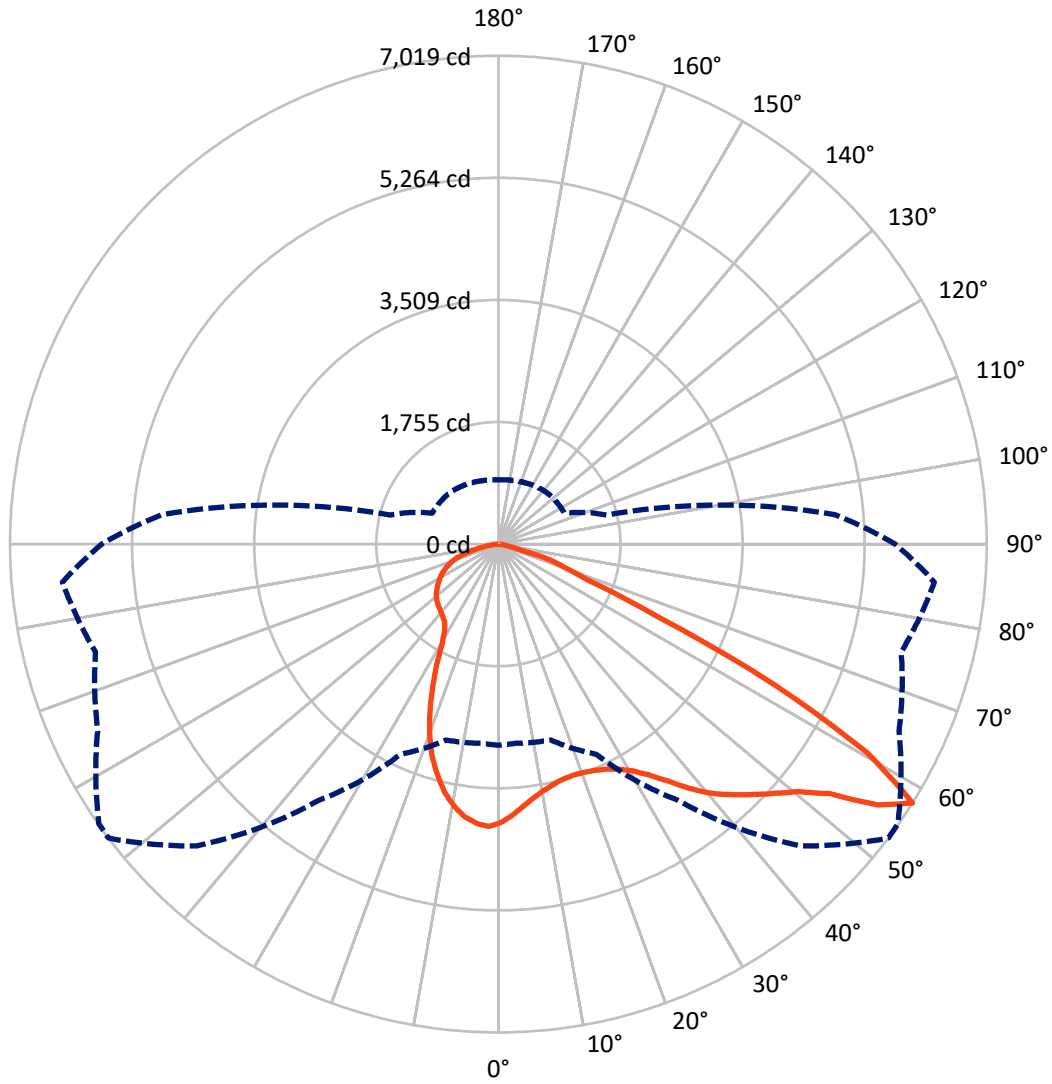
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3920.2	0.0	3920.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	8617.8	0.0	8617.8
	% Fixture	68.7	0.0	68.7
Total	Lumens	12538.0	0.0	12538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.1	2.9
10°-20°	949.9	7.6
20°-30°	1399.5	11.2
30°-40°	1958.9	15.6
40°-50°	2575.2	20.5
50°-60°	3019.4	24.1
60°-70°	1778.7	14.2
70°-80°	442.5	3.5
80°-90°	51.9	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°	12538.0	100.0
0°-180°	12538.0	100.0

Coefficient of Utilization



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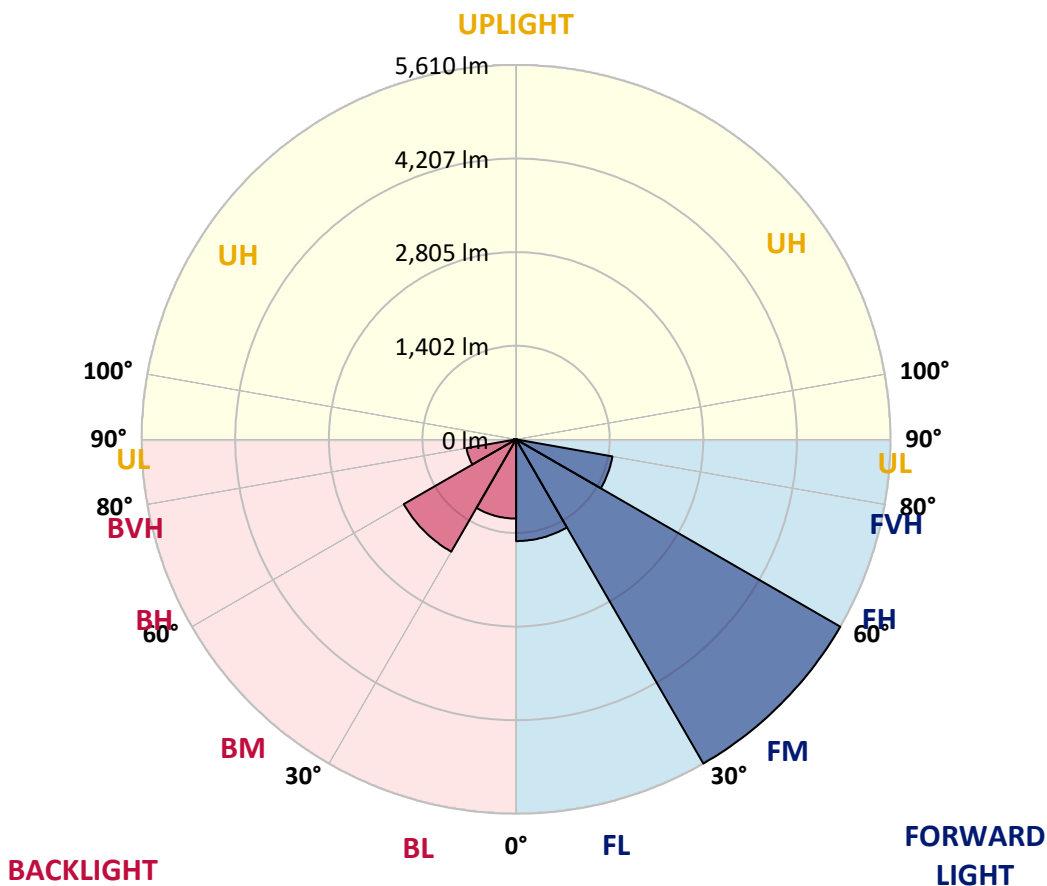
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1524.4	12.2			
FM (30°-60°)	5609.6	44.7			
FH (60°-80°)	1466.5	11.7			G1/1800
FVH (80°-90°)	17.4	0.1			G1/100
BL (0°-30°)	1187.0	9.5	B3/2500		
BM (30°-60°)	1943.8	15.5	B2/2500		
BH (60°-80°)	754.8	6.0	B2/1000		G2/1000
BVH (80°-90°)	34.5	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°	53°	55°	65°	75°	85°
0°	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7
2.5°	3773.7	3784.2	3786.3	3819.0	3821.2	3868.6	3900.3	3894.0	3926.7	3966.8	3998.4
5°	3593.2	3594.3	3604.8	3643.9	3665.0	3727.2	3780.0	3780.0	3843.3	3925.6	3996.3
7.5°	3444.4	3443.4	3452.9	3496.1	3531.0	3605.9	3677.6	3686.1	3774.7	3895.0	4010.1
10°	3306.2	3313.6	3324.1	3376.9	3421.2	3514.1	3599.6	3613.3	3725.1	3873.9	4029.0
12.5°	3217.5	3218.6	3234.4	3293.5	3350.5	3449.7	3539.4	3556.3	3685.0	3853.9	4042.8
15°	3160.6	3161.6	3178.5	3243.9	3310.4	3410.7	3502.5	3521.5	3661.8	3850.7	4069.1
17.5°	3135.2	3134.2	3150.0	3215.4	3288.2	3392.7	3490.9	3514.1	3672.4	3875.0	4115.6
20°	3135.2	3136.3	3144.7	3203.8	3277.7	3388.5	3502.5	3531.0	3713.5	3929.9	4187.3
22.5°	3179.6	3183.8	3188.0	3228.1	3286.1	3394.8	3533.1	3571.1	3802.2	4021.7	4281.3
25°	3266.1	3267.1	3271.4	3304.1	3330.5	3412.8	3583.7	3640.7	3940.4	4155.7	4399.5
27.5°	3382.2	3396.9	3401.2	3422.3	3422.3	3457.1	3662.9	3745.2	4127.2	4348.8	4550.4
30°	3544.7	3550.0	3557.3	3580.6	3555.2	3540.5	3778.9	3884.5	4343.5	4582.0	4731.9
32.5°	3687.1	3698.7	3738.8	3776.8	3731.5	3685.0	3949.9	4074.4	4551.4	4824.7	4925.0
35°	3808.5	3837.0	3914.0	3998.4	3966.8	3920.4	4176.8	4306.6	4722.4	4998.8	5095.9
37.5°	3955.2	3977.3	4082.9	4220.1	4248.5	4226.4	4453.3	4546.1	4836.3	5043.2	5188.8
40°	4104.0	4137.7	4273.9	4463.8	4572.5	4588.3	4708.6	4770.9	4875.4	4956.6	5170.9
42.5°	4255.9	4314.0	4500.8	4722.4	4915.5	4951.4	4923.9	4950.3	4862.7	4837.4	5087.5
45°	4441.7	4510.3	4721.3	5004.1	5258.4	5314.4	5135.0	5110.7	4860.6	4792.0	5035.8
47.5°	4661.2	4729.8	4931.3	5260.6	5585.6	5626.7	5351.3	5307.0	4934.5	4861.7	5105.4
50°	4855.3	4902.8	5083.3	5451.6	5890.6	5914.8	5589.8	5536.0	5118.1	5054.8	5322.8
52.5°	4658.0	4652.7	4842.7	5296.4	6048.8	6341.2	5957.0	5905.3	5472.7	5375.6	5659.5
55°	3952.0	3891.9	4061.8	4508.1	5606.7	6720.0	6615.5	6512.1	5945.4	5698.5	5975.0
57.5°	2889.3	2872.5	2913.6	3332.6	4491.3	6133.3	7018.6	7009.2	6353.8	5994.0	6289.5
60°	2259.3	2234.0	2124.3	2135.9	3061.4	4791.0	6091.1	6370.7	6607.1	6171.3	6509.0
62.5°	2006.1	1987.1	1930.1	1772.9	1823.5	3212.3	4464.9	4721.3	5773.4	5450.5	5590.9
65°	1661.0	1655.7	1703.2	1696.9	1528.0	1773.9	2520.0	2778.5	3630.2	3675.5	3630.2
67.5°	1207.2	1197.7	1318.0	1555.5	1471.1	1339.1	1404.6	1494.3	1861.5	1671.6	1504.8
70°	785.1	771.4	841.1	1123.9	1317.0	1167.1	1012.0	997.2	1023.6	636.3	688.0
72.5°	526.6	510.8	509.7	618.4	795.7	786.2	784.1	776.7	693.3	502.3	557.2
75°	293.4	280.7	277.5	267.0	284.9	290.2	309.2	319.7	346.1	381.0	422.1
77.5°	49.6	48.5	61.2	78.1	107.6	138.2	171.0	180.5	222.7	263.8	290.2
80°	27.4	28.5	36.9	45.4	60.2	82.3	105.5	111.9	137.2	159.3	180.5
82.5°	14.8	14.8	19.0	24.3	32.7	43.3	57.0	62.3	79.1	92.9	107.6
85°	5.3	5.3	7.4	9.5	13.7	17.9	22.2	25.3	34.8	47.5	53.8
87.5°	0.0	0.0	0.0	0.0	1.1	2.1	4.2	4.2	5.3	9.5	13.7
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°	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7	4003.7
2.5°	4024.8	3996.3	4035.4	4053.3	4059.7	4063.9	4036.4	4017.4	4011.1	3991.1	3979.5
5°	4039.6	4020.6	4057.5	4057.5	4031.2	4003.7	3947.8	3908.7	3881.3	3848.6	3843.3
7.5°	4064.9	4051.2	4071.3	4030.1	3963.6	3889.8	3792.7	3716.7	3655.5	3615.4	3616.4
10°	4098.7	4081.8	4066.0	3974.2	3852.8	3716.7	3567.9	3457.1	3355.8	3309.3	3284.0
12.5°	4120.9	4096.6	4030.1	3878.1	3699.8	3517.2	3307.2	3142.6	2995.9	2929.4	2924.2
15°	4148.3	4104.0	3971.0	3753.6	3505.6	3256.6	2986.4	2757.4	2559.0	2455.6	2450.4
17.5°	4184.2	4111.4	3900.3	3611.2	3300.9	2933.7	2593.9	2305.8	2094.7	2014.5	2028.2
20°	4234.8	4119.8	3820.1	3452.9	3046.6	2566.4	2143.3	1878.4	1797.1	1791.9	1781.3
22.5°	4291.8	4125.1	3731.5	3275.6	2738.4	2174.9	1770.8	1657.8	1656.8	1683.2	1689.5
25°	4356.2	4129.3	3631.2	3068.7	2405.0	1784.5	1566.0	1532.3	1558.6	1608.2	1614.6
27.5°	4438.5	4137.7	3509.9	2841.9	2050.4	1541.8	1453.1	1444.7	1476.3	1522.8	1520.7
30°	4559.9	4168.3	3381.1	2581.2	1686.3	1426.7	1384.5	1385.6	1398.2	1420.4	1423.6
32.5°	4683.3	4215.8	3255.5	2287.8	1477.4	1361.3	1342.3	1340.2	1340.2	1349.7	1351.8
35°	4800.5	4269.7	3119.4	1981.8	1376.1	1323.3	1310.7	1304.3	1301.2	1299.0	1295.9
37.5°	4865.9	4296.0	2986.4	1680.0	1322.3	1298.0	1285.3	1276.9	1265.3	1256.8	1254.7
40°	4837.4	4265.4	2832.4	1454.2	1289.5	1273.7	1258.9	1247.3	1231.5	1224.1	1219.9
42.5°	4742.4	4170.5	2664.6	1347.6	1263.2	1247.3	1229.4	1210.4	1199.9	1193.5	1192.5
45°	4642.2	4055.4	2462.0	1285.3	1237.8	1218.8	1197.7	1176.6	1165.0	1161.9	1160.8
47.5°	4639.0	3998.4	2246.7	1235.7	1207.2	1188.2	1161.9	1140.8	1128.1	1123.9	1119.6
50°	4778.3	4056.5	2004.0	1192.5	1175.6	1155.5	1126.0	1102.8	1086.9	1081.7	1080.6
52.5°	5067.4	4274.9	1786.6	1149.2	1133.4	1110.2	1085.9	1062.7	1043.7	1034.2	1033.1
55°	5379.8	4552.5	1651.5	1104.9	1083.8	1063.7	1041.6	1016.2	995.1	980.4	978.2
57.5°	5702.7	4855.3	1610.4	1048.9	1033.1	1019.4	993.0	965.6	941.3	927.6	924.4
60°	5968.6	5116.0	1687.4	989.9	981.4	963.5	939.2	912.8	895.9	885.4	883.3
62.5°	4996.7	4165.2	1362.4	925.5	925.5	906.5	879.0	860.1	848.4	841.1	838.9
65°	3171.1	2579.1	929.7	861.1	860.1	834.7	811.5	798.8	793.6	782.0	779.8
67.5°	1381.4	1178.7	794.6	795.7	791.5	764.0	740.8	731.3	720.8	708.1	707.0
70°	716.5	730.3	711.3	722.9	715.5	682.8	660.6	645.8	623.7	611.0	612.1
72.5°	578.3	593.1	614.2	632.1	616.3	589.9	555.1	537.1	508.6	494.9	496.0
75°	441.1	456.9	477.0	496.0	483.3	450.6	428.4	410.5	377.8	362.0	365.1
77.5°	303.9	312.4	336.6	335.6	331.4	321.9	289.1	268.0	234.3	215.3	217.4
80°	188.9	194.2	205.8	211.1	208.9	196.3	169.9	154.1	134.0	122.4	123.5
82.5°	114.0	117.1	127.7	128.7	127.7	118.2	98.1	86.5	73.9	67.5	67.5
85°	58.0	60.2	66.5	66.5	60.2	50.7	45.4	40.1	32.7	29.5	29.5
87.5°	15.8	15.8	20.1	16.9	13.7	12.7	6.3	5.3	2.1	1.1	1.1
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)