

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: P635060

Luminaire Tested: GWS-SA3D-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635060  
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-SA3D-722-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

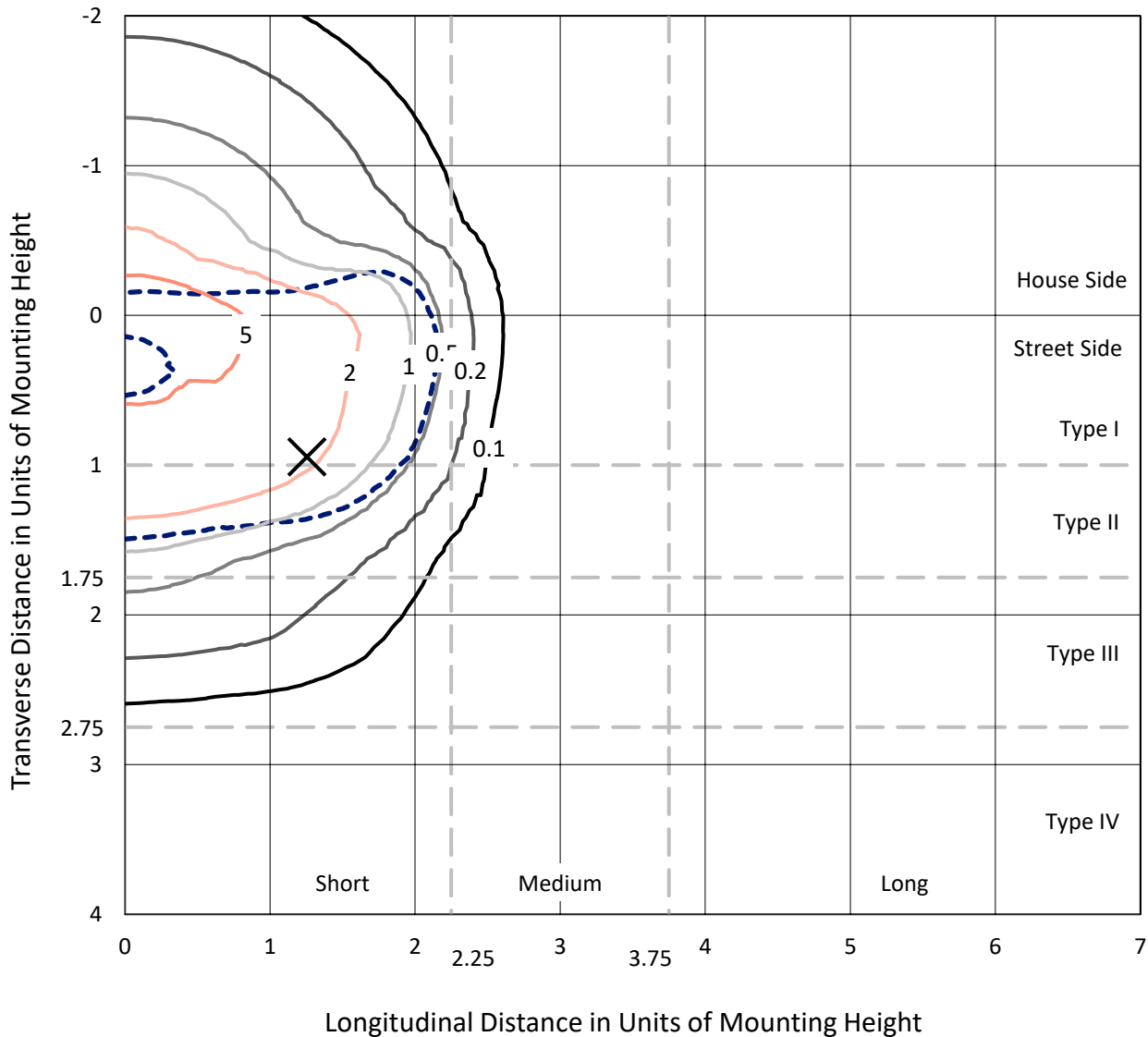
Lumens per Lamp: N/A  
Luminaire Lumens: 11040.5 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

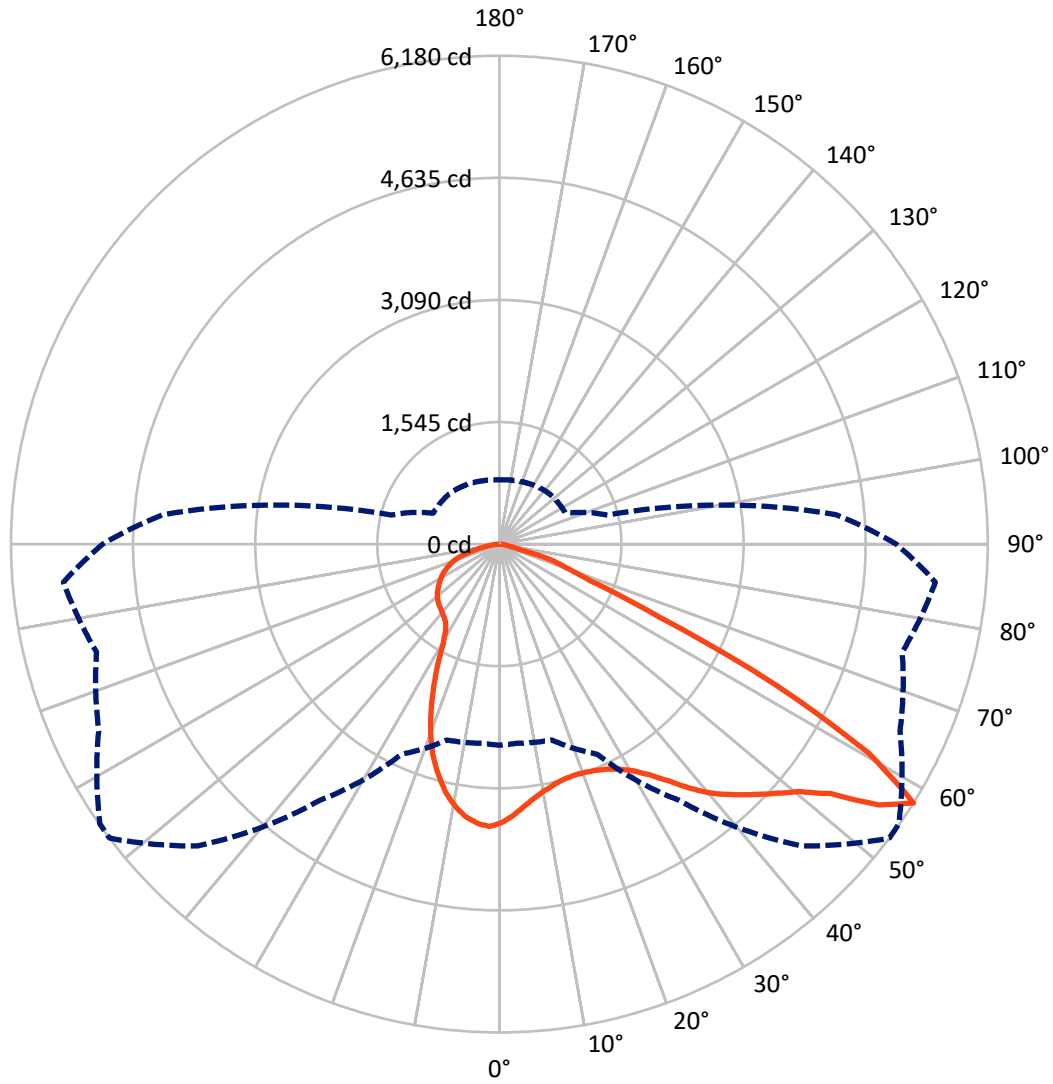
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P635060  
CATALOG NUMBER: GWS-SA3D-722-U-SL2-W-GRSWH

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA3D-722-U-SL2-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3452.0	0.0	3452.0
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	7588.5	0.0	7588.5
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	11040.5	0.0	11040.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.8	2.9
10°-20°	836.4	7.6
20°-30°	1232.3	11.2
30°-40°	1725.0	15.6
40°-50°	2267.6	20.5
50°-60°	2658.7	24.1
60°-70°	1566.3	14.2
70°-80°	389.6	3.5
80°-90°	45.7	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°	11040.5	100.0
0°-180°	11040.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635060

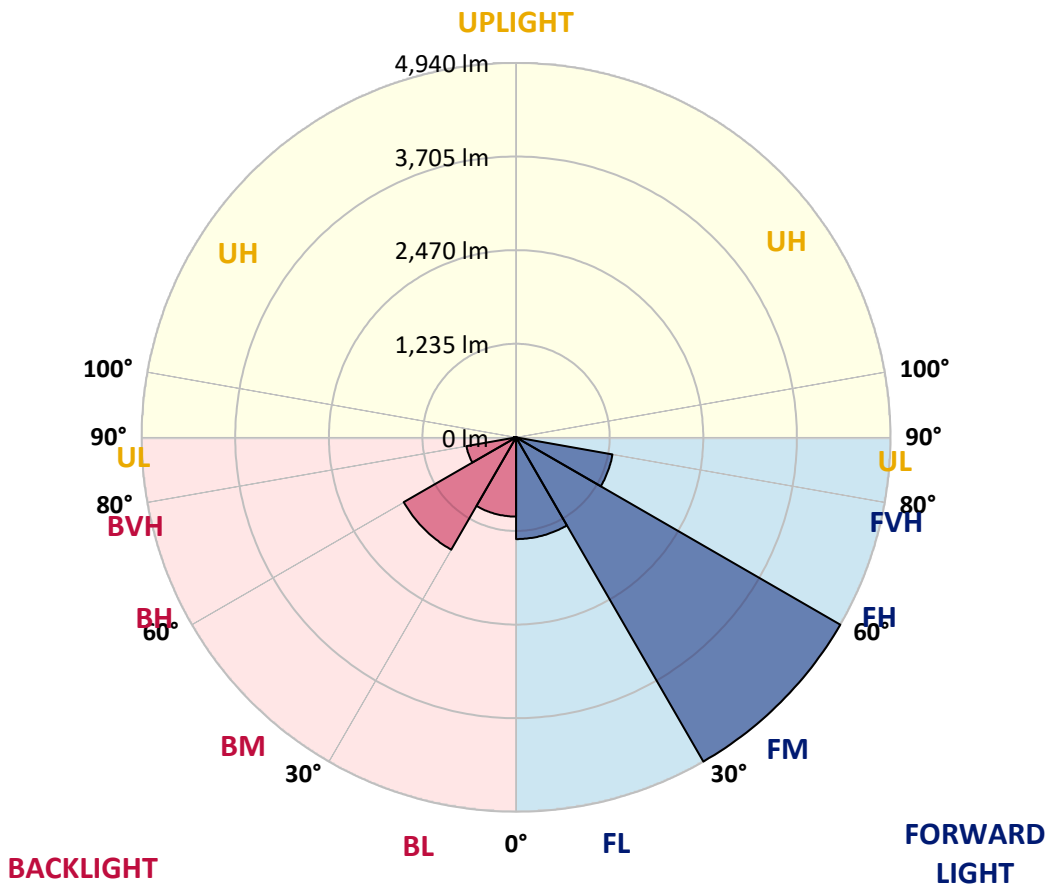
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1342.3	12.2			
FM (30°-60°)	4939.6	44.7			
FH (60°-80°)	1291.3	11.7			G1/1800
FVH (80°-90°)	15.3	0.1			G1/100
BL (0°-30°)	1045.3	9.5	B3/2500		
BM (30°-60°)	1711.7	15.5	B2/2500		
BH (60°-80°)	664.6	6.0	B2/1000		G2/1000
BVH (80°-90°)	30.4	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: P635060

CATALOG NUMBER: GWS-SA3D-722-U-SL2-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5
2.5°	3323.0	3332.2	3334.1	3362.9	3364.8	3406.6	3434.5	3428.9	3457.7	3493.0	3520.9
5°	3164.1	3165.0	3174.3	3208.7	3227.2	3282.1	3328.5	3328.5	3384.3	3456.8	3519.0
7.5°	3033.0	3032.1	3040.5	3078.6	3109.2	3175.2	3238.4	3245.8	3323.9	3429.8	3531.1
10°	2911.3	2917.8	2927.1	2973.6	3012.6	3094.4	3169.6	3181.7	3280.2	3411.2	3547.8
12.5°	2833.2	2834.2	2848.1	2900.2	2950.3	3037.7	3116.7	3131.5	3244.9	3393.6	3559.9
15°	2783.1	2784.0	2798.9	2856.5	2915.0	3003.3	3084.1	3100.9	3224.5	3390.8	3583.1
17.5°	2760.8	2759.8	2773.8	2831.4	2895.5	2987.5	3073.9	3094.4	3233.7	3412.2	3624.0
20°	2760.8	2761.7	2769.1	2821.2	2886.2	2983.8	3084.1	3109.2	3270.0	3460.5	3687.2
22.5°	2799.8	2803.5	2807.2	2842.5	2893.6	2989.4	3111.1	3144.5	3348.0	3541.3	3769.9
25°	2876.0	2876.9	2880.6	2909.4	2932.7	3005.2	3155.7	3205.9	3469.8	3659.3	3874.0
27.5°	2978.2	2991.2	2994.9	3013.5	3013.5	3044.2	3225.4	3297.9	3634.3	3829.4	4006.9
30°	3121.3	3126.0	3132.5	3152.9	3130.6	3117.6	3327.6	3420.5	3824.7	4034.8	4166.7
32.5°	3246.8	3257.0	3292.3	3325.7	3285.8	3244.9	3478.1	3587.8	4007.8	4248.5	4336.8
35°	3353.6	3378.7	3446.5	3520.9	3493.0	3452.1	3677.9	3792.2	4158.3	4401.8	4487.3
37.5°	3482.8	3502.3	3595.2	3716.0	3741.1	3721.6	3921.4	4003.2	4258.7	4440.8	4569.1
40°	3613.8	3643.5	3763.4	3930.7	4026.4	4040.3	4146.3	4201.1	4293.1	4364.6	4553.3
42.5°	3747.6	3798.7	3963.2	4158.3	4328.4	4360.0	4335.8	4359.1	4281.9	4259.6	4479.9
45°	3911.2	3971.6	4157.4	4406.4	4630.4	4679.6	4521.7	4500.3	4280.1	4219.7	4434.3
47.5°	4104.4	4164.8	4342.3	4632.3	4918.5	4954.7	4712.2	4673.1	4345.1	4281.0	4495.7
50°	4275.4	4317.2	4476.1	4800.4	5187.0	5208.4	4922.2	4874.8	4506.8	4451.1	4687.1
52.5°	4101.7	4097.0	4264.3	4663.8	5326.4	5583.8	5245.5	5200.0	4819.0	4733.5	4983.5
55°	3480.0	3427.0	3576.6	3969.7	4937.0	5917.4	5825.4	5734.3	5235.3	5017.9	5261.3
57.5°	2544.3	2529.4	2565.6	2934.5	3954.8	5400.7	6180.4	6172.0	5594.9	5278.1	5538.3
60°	1989.5	1967.2	1870.6	1880.8	2695.7	4218.7	5363.6	5609.8	5818.0	5434.2	5731.5
62.5°	1766.5	1749.8	1699.6	1561.1	1605.7	2828.6	3931.6	4157.4	5083.9	4799.5	4923.1
65°	1462.6	1458.0	1499.8	1494.2	1345.5	1562.0	2219.0	2446.7	3196.6	3236.5	3196.6
67.5°	1063.0	1054.7	1160.6	1369.7	1295.4	1179.2	1236.8	1315.8	1639.2	1471.9	1325.1
70°	691.4	679.3	740.6	989.6	1159.7	1027.7	891.1	878.1	901.4	560.3	605.9
72.5°	463.7	449.8	448.8	544.5	700.6	692.3	690.4	683.9	610.5	442.3	490.6
75°	258.3	247.2	244.4	235.1	250.9	255.5	272.3	281.6	304.8	335.5	371.7
77.5°	43.7	42.7	53.9	68.8	94.8	121.7	150.5	158.9	196.1	232.3	255.5
80°	24.2	25.1	32.5	40.0	53.0	72.5	92.9	98.5	120.8	140.3	158.9
82.5°	13.0	13.0	16.7	21.4	28.8	38.1	50.2	54.8	69.7	81.8	94.8
85°	4.6	4.6	6.5	8.4	12.1	15.8	19.5	22.3	30.7	41.8	47.4
87.5°	0.0	0.0	0.0	0.0	0.9	1.9	3.7	3.7	4.6	8.4	12.1
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: P635060

CATALOG NUMBER: GWS-SA3D-722-U-SL2-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5	3525.5
2.5°	3544.1	3519.0	3553.4	3569.2	3574.8	3578.5	3554.3	3537.6	3532.0	3514.4	3504.2
5°	3557.1	3540.4	3572.9	3572.9	3549.7	3525.5	3476.3	3441.9	3417.7	3388.9	3384.3
7.5°	3579.4	3567.3	3585.0	3548.8	3490.2	3425.2	3339.7	3272.8	3218.9	3183.6	3184.5
10°	3609.2	3594.3	3580.4	3499.5	3392.6	3272.8	3141.8	3044.2	2955.0	2914.1	2891.8
12.5°	3628.7	3607.3	3548.8	3415.0	3257.9	3097.2	2912.2	2767.3	2638.1	2579.6	2574.9
15°	3652.8	3613.8	3496.7	3305.3	3086.9	2867.6	2629.7	2428.1	2253.4	2162.3	2157.7
17.5°	3684.4	3620.3	3434.5	3179.9	2906.7	2583.3	2284.1	2030.4	1844.5	1773.9	1786.0
20°	3729.0	3627.7	3363.8	3040.5	2682.7	2259.9	1887.3	1654.0	1582.5	1577.8	1568.6
22.5°	3779.2	3632.4	3285.8	2884.4	2411.4	1915.2	1559.3	1459.8	1458.9	1482.1	1487.7
25°	3835.9	3636.1	3197.5	2702.2	2117.7	1571.3	1379.0	1349.3	1372.5	1416.2	1421.7
27.5°	3908.4	3643.5	3090.6	2502.4	1805.5	1357.6	1279.6	1272.1	1300.0	1340.9	1339.0
30°	4015.2	3670.5	2977.3	2272.9	1484.9	1256.3	1219.2	1220.1	1231.2	1250.8	1253.5
32.5°	4124.0	3712.3	2866.7	2014.6	1300.9	1198.7	1182.0	1180.1	1180.1	1188.5	1190.4
35°	4227.1	3759.7	2746.8	1745.1	1211.7	1165.3	1154.1	1148.5	1145.8	1143.9	1141.1
37.5°	4284.7	3782.9	2629.7	1479.3	1164.3	1143.0	1131.8	1124.4	1114.2	1106.7	1104.9
40°	4259.6	3756.0	2494.1	1280.5	1135.5	1121.6	1108.6	1098.4	1084.4	1077.9	1074.2
42.5°	4176.0	3672.3	2346.3	1186.6	1112.3	1098.4	1082.6	1065.8	1056.5	1051.0	1050.0
45°	4087.7	3571.1	2167.9	1131.8	1090.0	1073.3	1054.7	1036.1	1025.9	1023.1	1022.2
47.5°	4084.9	3520.9	1978.3	1088.1	1063.0	1046.3	1023.1	1004.5	993.4	989.6	985.9
50°	4207.6	3572.0	1764.6	1050.0	1035.2	1017.5	991.5	971.1	957.1	952.5	951.5
52.5°	4462.2	3764.3	1573.2	1011.9	998.0	977.6	956.2	935.7	919.0	910.7	909.7
55°	4737.3	4008.7	1454.3	972.9	954.3	936.7	917.2	894.9	876.3	863.3	861.4
57.5°	5021.6	4275.4	1418.0	923.7	909.7	897.6	874.4	850.3	828.9	816.8	814.0
60°	5255.8	4504.9	1485.9	871.6	864.2	848.4	827.0	803.8	788.9	779.6	777.8
62.5°	4399.9	3667.7	1199.6	814.9	814.9	798.2	774.1	757.3	747.1	740.6	738.7
65°	2792.4	2271.1	818.7	758.3	757.3	735.0	714.6	703.4	698.8	688.6	686.7
67.5°	1216.4	1038.0	699.7	700.6	696.9	672.8	652.3	644.0	634.7	623.5	622.6
70°	631.0	643.0	626.3	636.5	630.0	601.2	581.7	568.7	549.2	538.0	539.0
72.5°	509.2	522.2	540.8	556.6	542.7	519.4	488.8	473.0	447.9	435.8	436.7
75°	388.4	402.4	420.0	436.7	425.6	396.8	377.3	361.5	332.7	318.7	321.5
77.5°	267.6	275.1	296.4	295.5	291.8	283.4	254.6	236.0	206.3	189.6	191.4
80°	166.3	171.0	181.2	185.8	184.0	172.8	149.6	135.7	118.0	107.8	108.7
82.5°	100.4	103.1	112.4	113.4	112.4	104.1	86.4	76.2	65.0	59.5	59.5
85°	51.1	53.0	58.5	58.5	53.0	44.6	40.0	35.3	28.8	26.0	26.0
87.5°	13.9	13.9	17.7	14.9	12.1	11.2	5.6	4.6	1.9	0.9	0.9
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)