

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: P637566

Luminaire Tested: GWS-SA4D-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4D-722-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

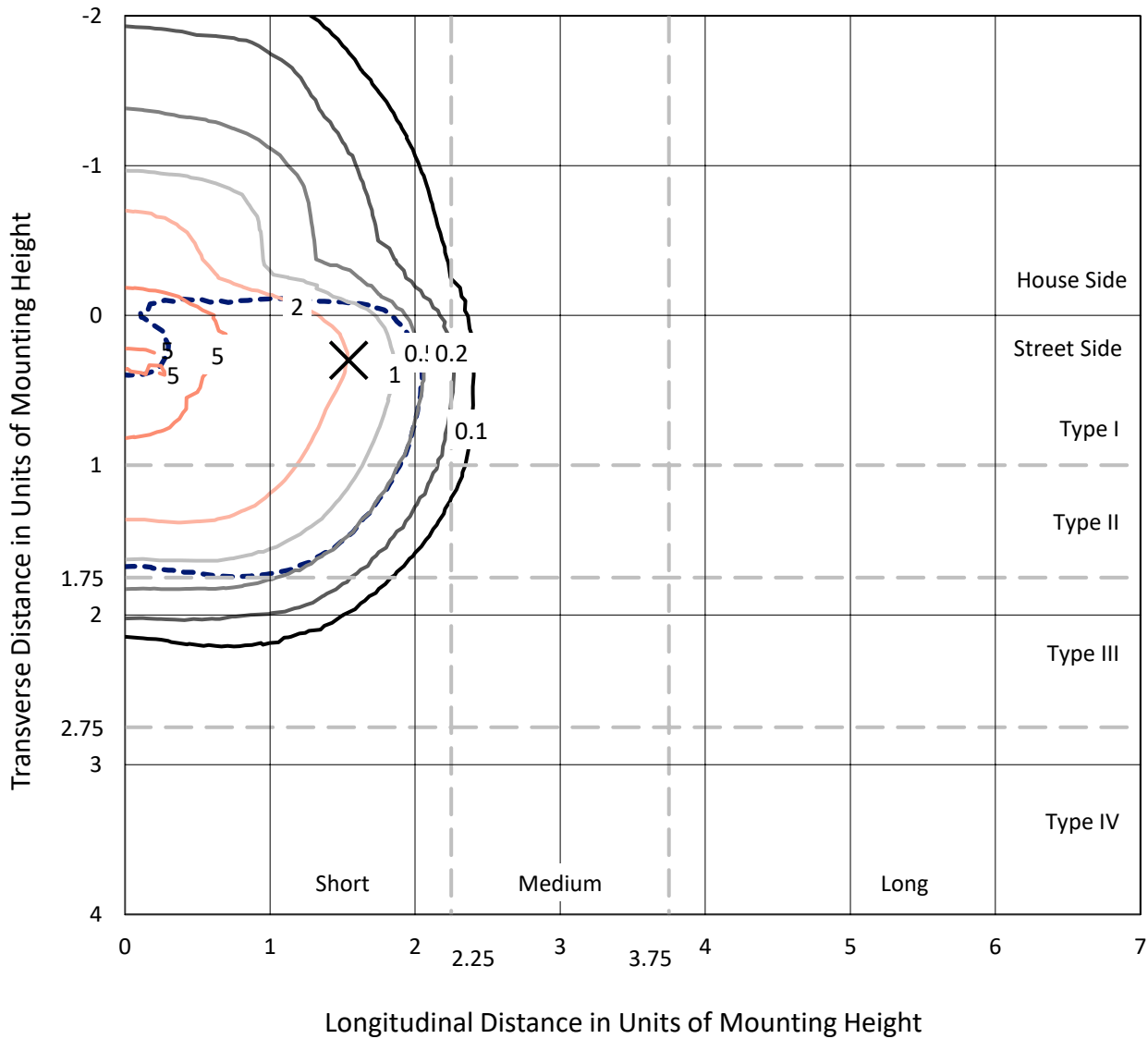
Lumens per Lamp: N/A  
Luminaire Lumens: 15814.9 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P637566  
 CATALOG NUMBER: GWS-SA4D-722-U-T3R-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

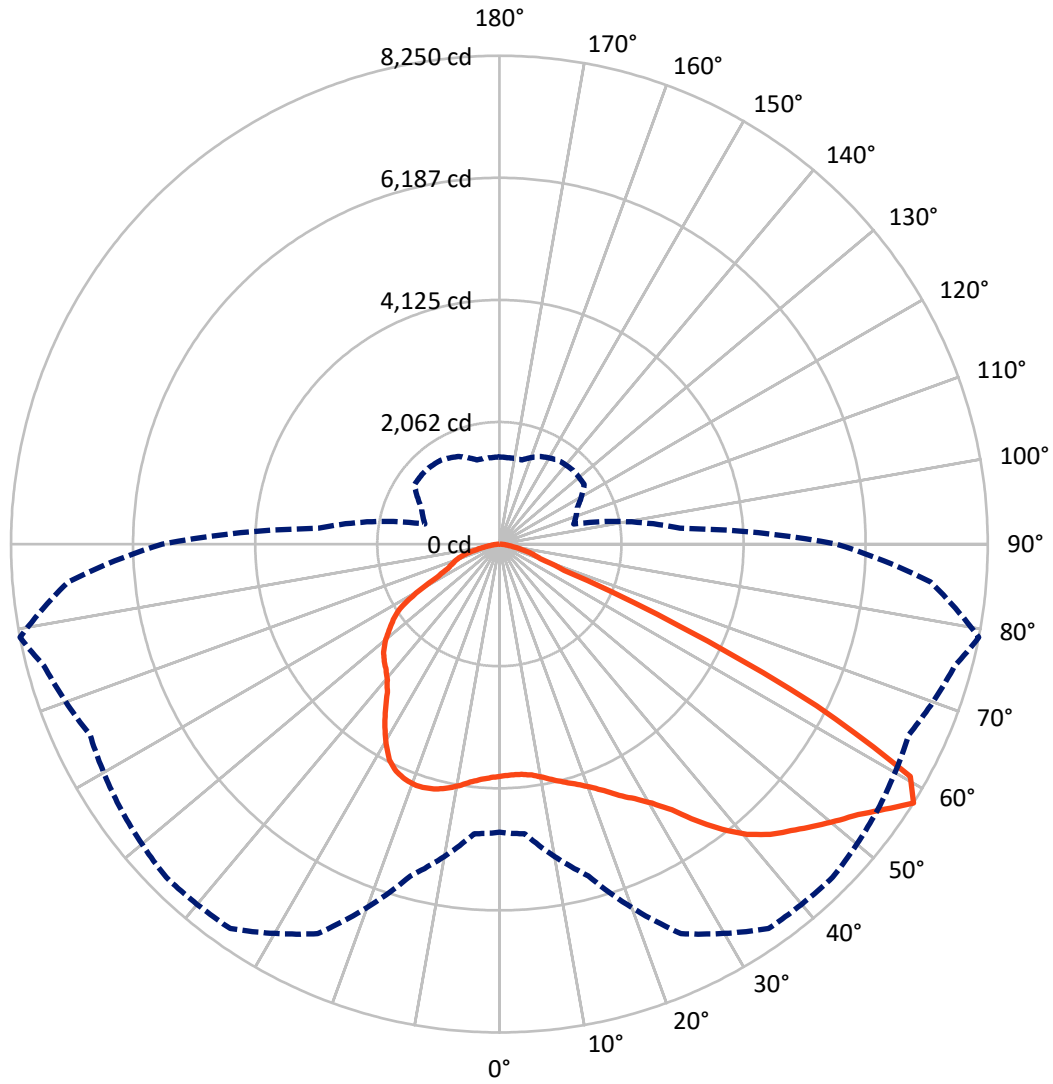
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P637566  
CATALOG NUMBER: GWS-SA4D-722-U-T3R-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637566

CATALOG NUMBER: GWS-SA4D-722-U-T3R-W-GRSWH

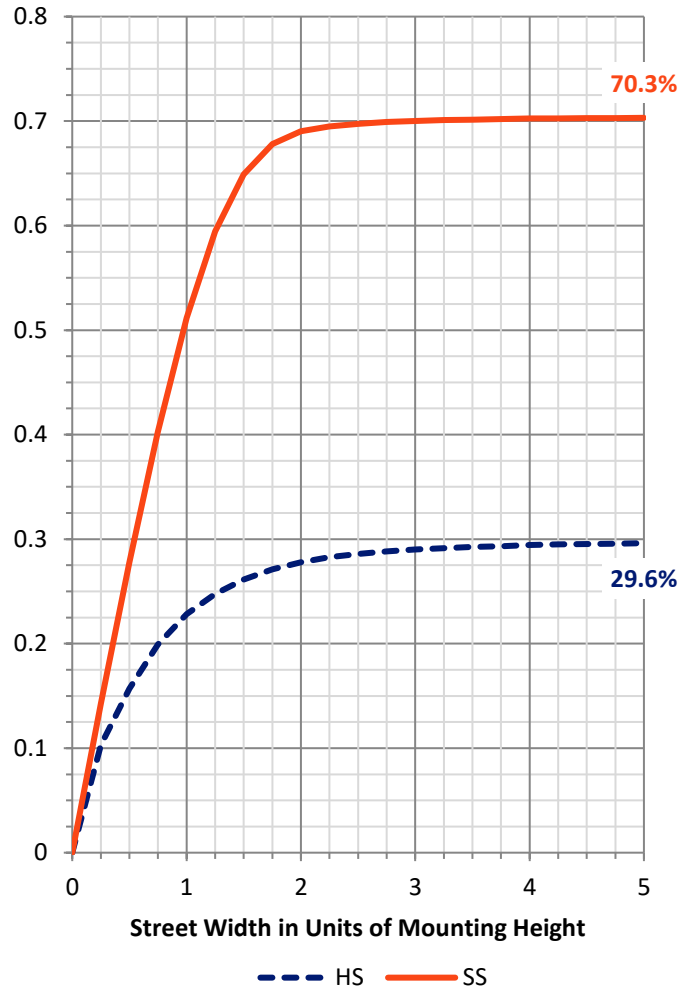
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4701.0	0.0	4701.0
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	11113.9	0.0	11113.9
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	15814.9	0.0	15814.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.0	2.3
10°-20°	1008.7	6.4
20°-30°	1709.7	10.8
30°-40°	2617.0	16.5
40°-50°	3489.5	22.1
50°-60°	4030.1	25.5
60°-70°	2094.2	13.2
70°-80°	445.2	2.8
80°-90°	57.7	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°	15814.9	100.0
0°-180°	15814.9	100.0

**Coefficient of Utilization**

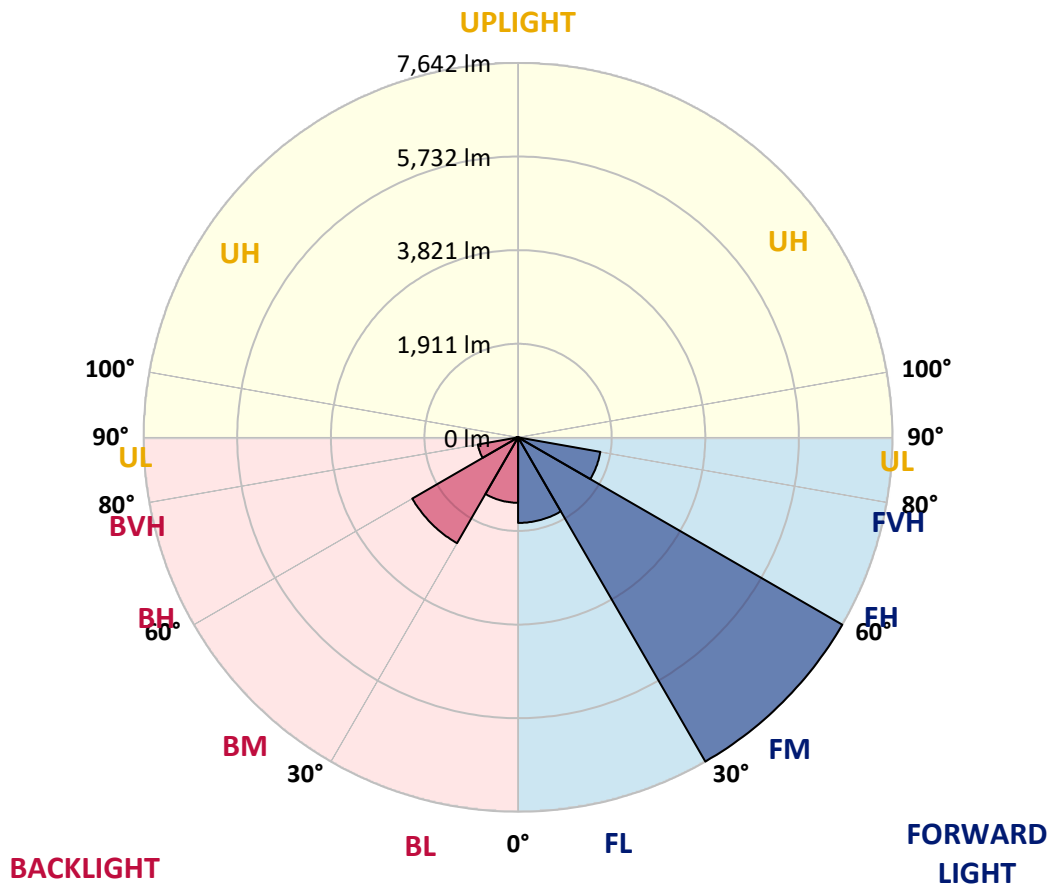


REPORT NUMBER: P637566  
 CATALOG NUMBER: GWS-SA4D-722-U-T3R-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1746.3	11.0			
FM (30°-60°)	7642.2	48.3			
FH (60°-80°)	1705.2	10.8			G1/1800
FVH (80°-90°)	20.1	0.1			G1/100
BL (0°-30°)	1335.0	8.4	B3/2500		
BM (30°-60°)	2494.3	15.8	B2/2500		
BH (60°-80°)	834.1	5.3	B2/1000		G2/1000
BVH (80°-90°)	37.6	0.2			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: P637566

CATALOG NUMBER: GWS-SA4D-722-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3
2.5°	3740.9	3733.1	3735.7	3746.0	3784.8	3813.3	3843.0	3870.2	3896.0	3903.8	3910.2
5°	3607.7	3593.4	3597.3	3614.1	3659.4	3707.2	3760.3	3824.9	3887.0	3907.7	3934.8
7.5°	3513.3	3510.7	3517.2	3543.0	3590.9	3636.1	3704.6	3796.5	3903.8	3938.7	3986.5
10°	3387.8	3382.7	3408.5	3461.6	3540.4	3612.8	3694.3	3802.9	3952.9	4004.6	4078.3
12.5°	3288.3	3285.7	3312.8	3386.6	3487.4	3602.5	3715.0	3836.5	4018.9	4090.0	4180.5
15°	3346.5	3334.8	3336.1	3387.8	3478.4	3614.1	3766.7	3897.3	4084.8	4175.3	4291.7
17.5°	3515.9	3495.2	3479.7	3488.7	3540.4	3681.4	3845.6	3978.8	4161.1	4267.1	4409.4
20°	3749.9	3738.3	3695.6	3667.1	3678.8	3802.9	3969.7	4093.9	4260.7	4379.6	4532.2
22.5°	4064.1	4035.7	3977.5	3932.2	3897.3	3994.3	4148.2	4255.5	4399.0	4523.2	4682.2
25°	4453.3	4412.0	4320.1	4249.0	4174.0	4273.6	4410.7	4492.1	4589.1	4704.2	4855.5
27.5°	4850.3	4815.4	4713.2	4617.6	4524.5	4586.5	4749.4	4796.0	4785.7	4869.7	4999.0
30°	5273.1	5229.2	5132.2	5028.8	4908.5	4948.6	5094.7	5118.0	5008.1	5077.9	5165.8
32.5°	5719.3	5676.6	5592.5	5472.3	5336.5	5352.0	5392.1	5414.1	5309.3	5349.4	5416.7
35°	6173.1	6133.0	6047.7	5928.7	5829.2	5734.8	5633.9	5721.8	5661.1	5738.6	5733.5
37.5°	6588.2	6548.1	6495.1	6403.3	6232.6	6046.4	5813.6	5922.3	6016.7	6114.9	6098.1
40°	6868.8	6841.6	6854.6	6840.3	6620.5	6252.0	5901.6	6020.5	6277.9	6446.0	6436.9
42.5°	7110.6	7083.4	7158.4	7212.7	6954.1	6442.1	5944.2	6058.0	6444.7	6707.2	6694.2
45°	7217.9	7210.2	7334.3	7506.3	7259.3	6643.8	6054.2	6135.6	6571.4	6907.6	6858.4
47.5°	7089.9	7117.1	7361.5	7652.4	7512.7	6883.0	6279.2	6299.8	6736.9	7124.8	6986.5
50°	6835.2	6894.7	7224.4	7656.3	7697.7	7153.3	6590.8	6539.1	6959.3	7356.3	7053.7
52.5°	6464.1	6526.1	7064.0	7626.5	7803.7	7466.2	7005.9	6932.2	7239.9	7587.7	7065.3
55°	5611.9	5696.0	6696.8	7559.3	7907.1	7750.7	7473.9	7324.0	7602.0	7905.8	7180.4
57.5°	4868.4	4912.4	5802.0	7260.6	7927.8	7960.1	7807.6	7629.1	7961.4	8249.8	7309.7
60°	3572.8	3583.1	4383.5	6007.6	7292.9	7838.6	7780.4	7515.3	7790.8	7974.4	6717.5
62.5°	2018.5	2019.8	2658.6	4009.8	5447.7	6389.1	6425.3	6191.2	5959.8	6014.1	4675.7
65°	757.7	828.9	1214.2	1970.6	3140.9	3771.9	3921.9	3976.2	3590.9	3351.6	2507.3
67.5°	506.9	523.7	708.6	1013.8	1397.8	1613.8	1805.1	1810.3	1324.1	1180.6	987.9
70°	386.6	403.4	557.3	725.4	708.6	654.3	707.3	687.9	711.2	730.6	751.3
72.5°	288.4	305.2	431.9	512.1	425.4	419.0	474.6	527.6	576.7	597.4	629.7
75°	191.4	204.3	290.9	274.1	235.3	278.0	346.5	399.6	428.0	452.6	477.1
77.5°	121.5	130.6	155.2	125.4	130.6	162.9	201.7	249.6	276.7	301.3	314.2
80°	55.6	54.3	53.0	59.5	73.7	95.7	121.5	150.0	170.7	181.0	188.8
82.5°	22.0	24.6	27.2	32.3	40.1	51.7	68.5	87.9	104.7	107.3	113.8
85°	9.1	10.3	11.6	14.2	18.1	23.3	28.4	40.1	50.4	54.3	58.2
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	3.9	6.5	11.6	12.9	14.2
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: P637566

CATALOG NUMBER: GWS-SA4D-722-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3	3919.3
2.5°	3945.2	3928.3	3956.8	3976.2	3994.3	3974.9	3968.4	3951.6	3949.0	3949.0	3958.1
5°	3981.4	3969.7	3999.5	4011.1	4009.8	3967.1	3941.3	3907.7	3890.9	3890.9	3893.4
7.5°	4046.0	4039.6	4056.4	4038.3	3996.9	3910.2	3824.9	3753.8	3705.9	3681.4	3689.1
10°	4153.3	4145.6	4131.4	4064.1	3945.2	3765.4	3590.9	3461.6	3384.0	3340.0	3342.6
12.5°	4258.1	4245.2	4194.7	4046.0	3801.6	3515.9	3287.0	3142.2	3056.8	3005.1	2993.5
15°	4373.2	4339.5	4230.9	3952.9	3567.6	3210.7	2971.5	2815.0	2723.2	2692.2	2690.9
17.5°	4483.1	4423.6	4227.0	3787.4	3287.0	2891.3	2650.8	2553.8	2538.3	2552.5	2556.4
20°	4594.3	4498.6	4184.4	3558.5	2953.4	2573.2	2449.1	2489.2	2547.3	2586.1	2595.2
22.5°	4709.4	4560.7	4087.4	3263.7	2601.7	2358.6	2410.3	2498.2	2570.6	2622.3	2627.5
25°	4838.7	4618.8	3942.6	2902.9	2319.8	2299.1	2401.2	2494.3	2571.9	2631.4	2641.7
27.5°	4912.4	4620.1	3739.6	2531.8	2190.5	2275.8	2379.3	2467.2	2544.8	2609.4	2621.1
30°	4984.8	4585.2	3417.6	2230.5	2153.0	2248.7	2341.8	2423.2	2496.9	2560.3	2574.5
32.5°	5086.9	4552.9	3046.5	2057.3	2131.0	2222.8	2299.1	2371.5	2428.4	2456.8	2464.6
35°	5213.7	4511.5	2652.1	1982.3	2116.8	2202.1	2269.3	2308.1	2234.4	2218.9	2235.7
37.5°	5390.8	4472.7	2259.0	1950.0	2107.7	2194.3	2253.8	2154.3	2063.7	2027.5	2040.5
40°	5582.2	4450.7	1992.6	1924.1	2111.6	2202.1	2189.2	2041.8	1911.2	1834.9	1832.3
42.5°	5745.1	4417.1	1821.9	1907.3	2121.9	2231.8	2101.2	1942.2	1748.2	1703.0	1704.3
45°	5855.0	4331.8	1731.4	1889.2	2131.0	2238.3	2059.9	1805.1	1666.8	1638.3	1637.0
47.5°	5900.3	4176.6	1673.2	1860.7	2129.7	2185.3	1975.8	1748.2	1609.9	1602.1	1607.3
50°	5870.5	3921.9	1613.8	1805.1	2098.7	2129.7	1878.8	1697.8	1571.1	1613.8	1644.8
52.5°	5760.6	3592.2	1542.6	1728.8	2043.1	2066.3	1829.7	1666.8	1542.6	1599.5	1624.1
55°	5732.2	3324.5	1452.1	1629.3	1960.3	1953.8	1778.0	1651.3	1523.2	1501.3	1505.1
57.5°	5694.7	3063.3	1302.1	1450.8	1750.8	1761.2	1728.8	1633.1	1472.8	1466.3	1472.8
60°	4947.3	2348.2	1161.2	1251.7	1437.9	1493.5	1673.2	1599.5	1391.3	1364.2	1362.9
62.5°	3231.4	1422.4	1033.2	1091.4	1171.5	1236.2	1525.8	1502.5	1302.1	1285.3	1297.0
65°	1737.9	1013.8	940.1	975.0	1018.9	1068.1	1264.6	1338.3	1176.7	1117.2	1118.5
67.5°	888.3	862.5	870.2	894.8	928.4	953.0	1020.2	1084.9	1003.4	953.0	951.7
70°	760.3	781.0	792.7	806.9	828.9	825.0	831.4	843.1	836.6	812.0	810.8
72.5°	647.8	680.2	682.7	685.3	693.1	675.0	663.3	643.9	645.2	649.1	650.4
75°	492.7	523.7	531.5	527.6	535.3	512.1	496.5	477.1	453.9	450.0	452.6
77.5°	320.7	345.2	356.9	354.3	358.2	340.1	332.3	311.6	284.5	274.1	274.1
80°	194.0	208.2	217.2	219.8	223.7	210.8	197.8	179.7	168.1	156.5	156.5
82.5°	117.7	126.7	133.2	133.2	137.1	122.8	112.5	99.6	94.4	84.0	84.0
85°	59.5	65.9	68.5	67.2	64.7	53.0	49.1	42.7	40.1	34.9	34.9
87.5°	14.2	18.1	18.1	12.9	12.9	6.5	3.9	1.3	0.0	0.0	0.0
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)