

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: P641495

Luminaire Tested: GWS-SA6B-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641495  
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-SA6B-722-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

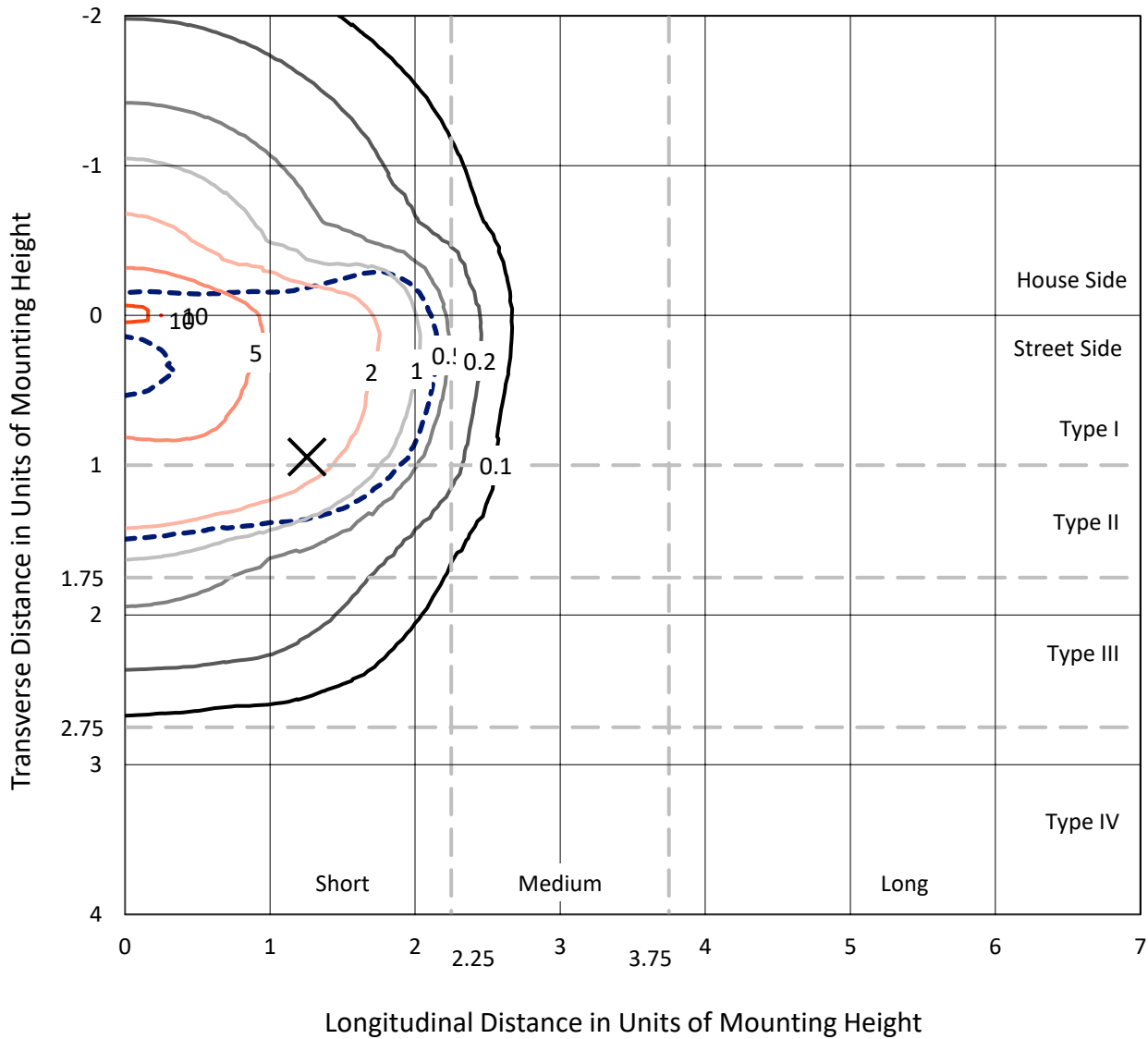
Lumens per Lamp: N/A  
Luminaire Lumens: 13283 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

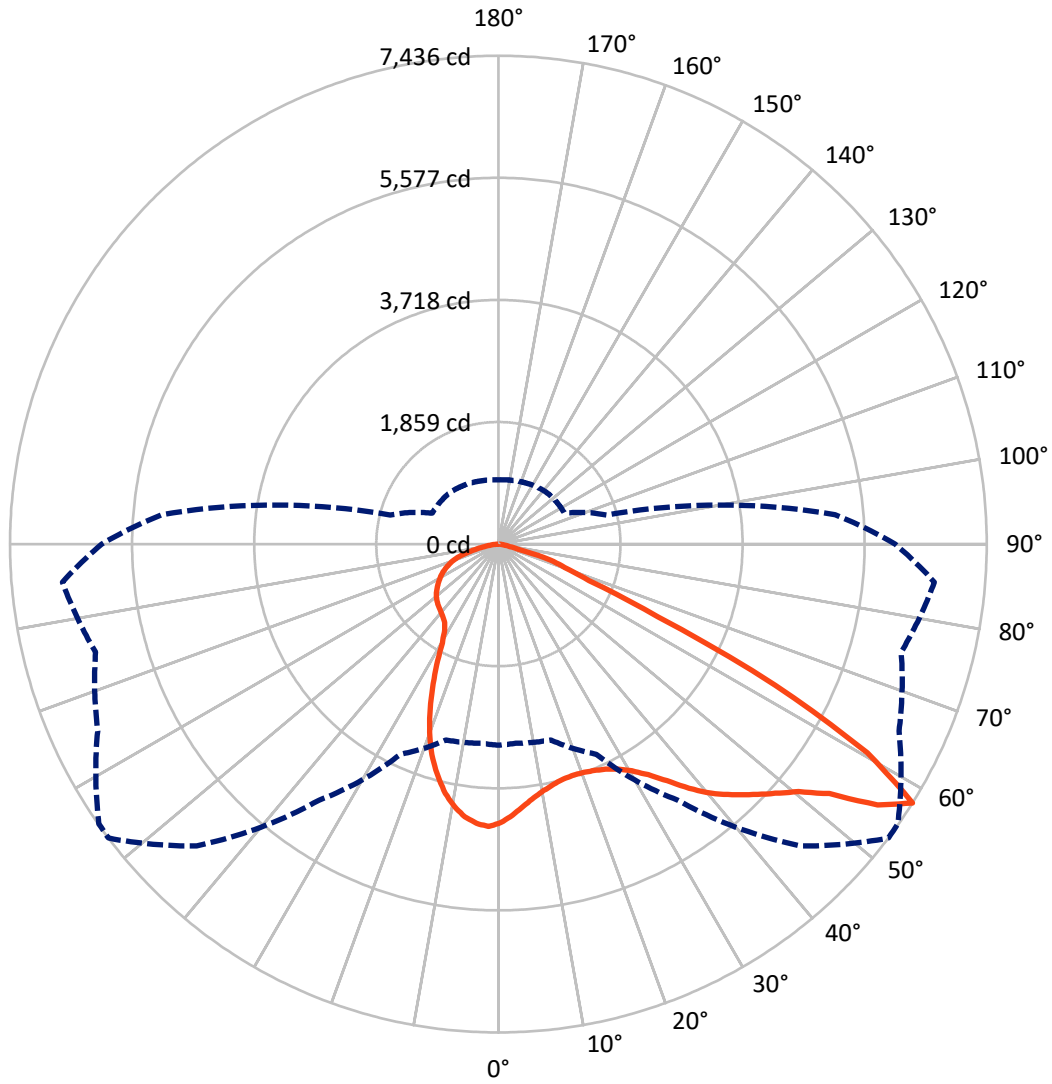
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.6 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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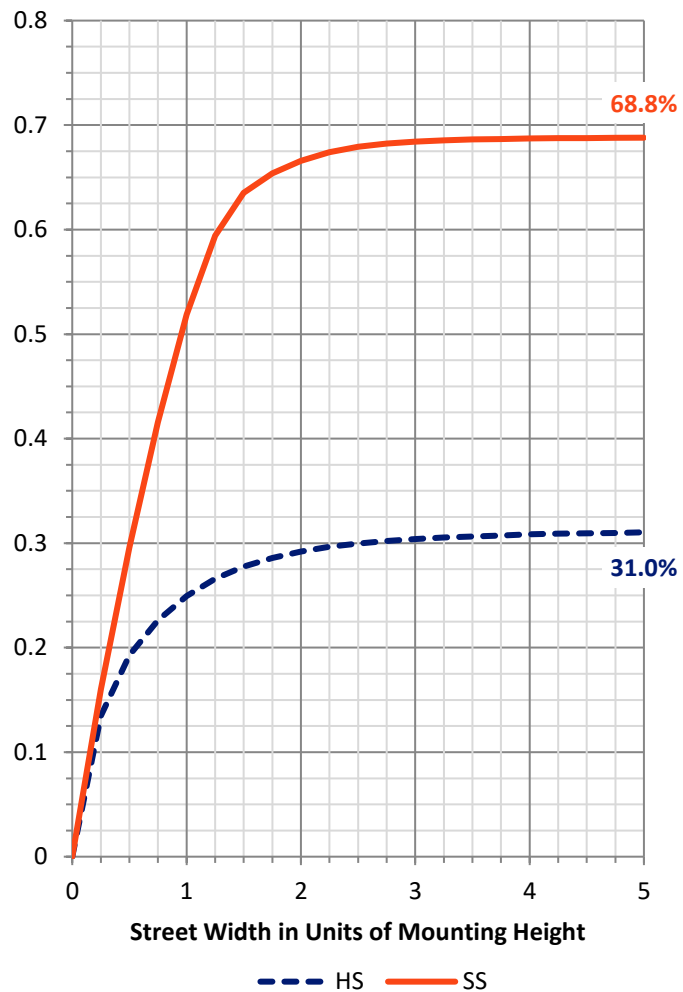
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4153.1	0.0	4153.1
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	9129.9	0.0	9129.9
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	13283.0	0.0	13283.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	383.6	2.9
10°-20°	1006.3	7.6
20°-30°	1482.7	11.2
30°-40°	2075.3	15.6
40°-50°	2728.2	20.5
50°-60°	3198.8	24.1
60°-70°	1884.4	14.2
70°-80°	468.8	3.5
80°-90°	55.0	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°	13283.0	100.0
0°-180°	13283.0	100.0

**Coefficient of Utilization**



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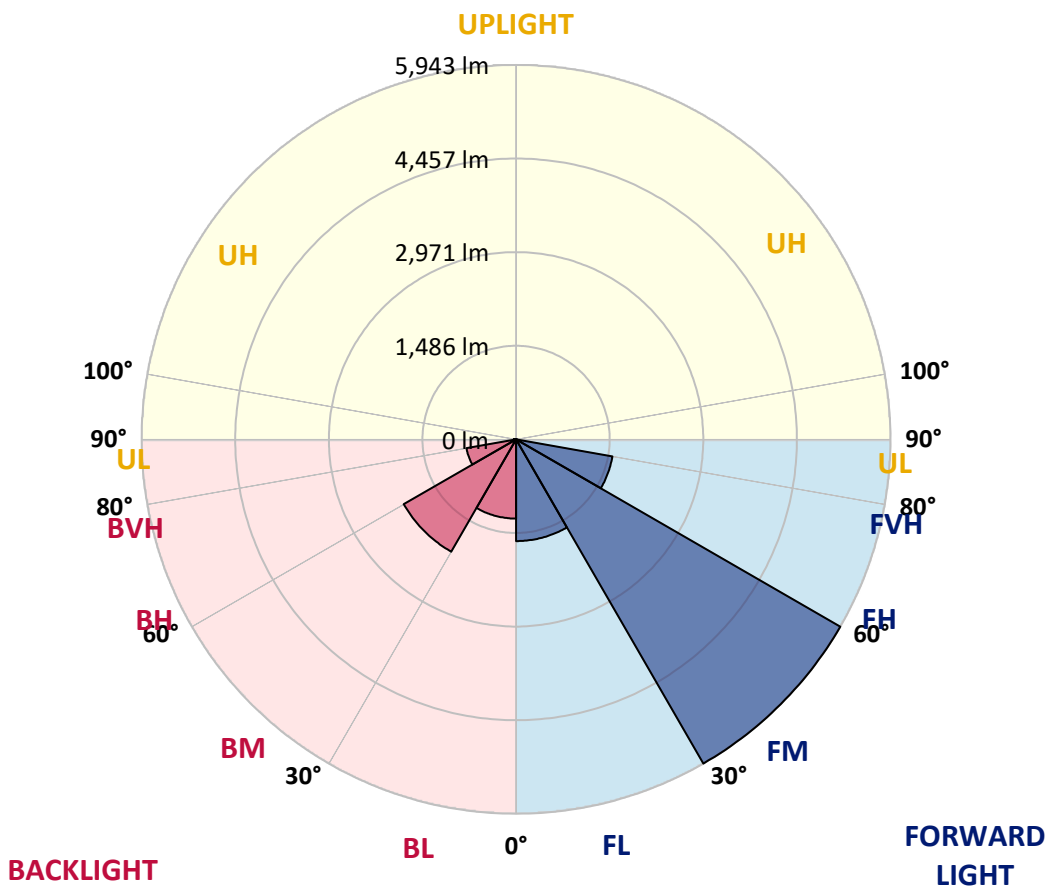
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1615.0	12.2			
FM (30°-60°)	5942.9	44.7			
FH (60°-80°)	1553.6	11.7			G1/1800
FVH (80°-90°)	18.4	0.1			G1/100
BL (0°-30°)	1257.6	9.5	B3/2500		
BM (30°-60°)	2059.3	15.5	B2/2500		
BH (60°-80°)	799.6	6.0	B2/1000		G2/1000
BVH (80°-90°)	36.6	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°	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6
2.5°	3997.9	4009.1	4011.3	4046.0	4048.2	4098.5	4132.1	4125.4	4160.0	4202.5	4236.0
5°	3806.7	3807.8	3819.0	3860.4	3882.7	3948.7	4004.6	4004.6	4071.7	4158.9	4233.8
7.5°	3649.1	3648.0	3658.0	3703.9	3740.8	3820.1	3896.2	3905.1	3999.0	4126.5	4248.3
10°	3502.6	3510.5	3521.6	3577.5	3624.5	3722.9	3813.4	3828.0	3946.5	4104.1	4268.5
12.5°	3408.7	3409.8	3426.6	3489.2	3549.6	3654.7	3749.7	3767.6	3904.0	4082.9	4283.0
15°	3348.4	3349.5	3367.4	3436.7	3507.1	3613.3	3710.6	3730.7	3879.4	4079.5	4310.9
17.5°	3321.5	3320.4	3337.2	3406.5	3483.6	3594.3	3698.3	3722.9	3890.6	4105.2	4360.1
20°	3321.5	3322.6	3331.6	3394.2	3472.4	3589.8	3710.6	3740.8	3934.2	4163.4	4436.1
22.5°	3368.5	3372.9	3377.4	3419.9	3481.4	3596.5	3743.0	3783.2	4028.1	4260.6	4535.6
25°	3460.2	3461.3	3465.7	3500.4	3528.3	3615.6	3796.7	3857.0	4174.5	4402.6	4660.9
27.5°	3583.1	3598.8	3603.3	3625.6	3625.6	3662.5	3880.5	3967.7	4372.4	4607.2	4820.7
30°	3755.3	3760.9	3768.7	3793.3	3766.5	3750.8	4003.5	4115.3	4601.6	4854.3	5013.0
32.5°	3906.2	3918.5	3961.0	4001.3	3953.2	3904.0	4184.6	4316.5	4821.9	5111.4	5217.6
35°	4034.8	4065.0	4146.6	4236.0	4202.5	4153.3	4425.0	4562.5	5003.0	5295.9	5398.7
37.5°	4190.2	4213.7	4325.5	4470.8	4501.0	4477.5	4717.9	4816.3	5123.7	5342.8	5497.1
40°	4347.8	4383.6	4527.8	4729.1	4844.2	4861.0	4988.4	5054.4	5165.1	5251.2	5478.1
42.5°	4508.8	4570.3	4768.2	5003.0	5207.6	5245.6	5216.5	5244.4	5151.7	5124.8	5389.8
45°	4705.6	4778.3	5001.8	5301.5	5570.9	5630.2	5440.1	5414.4	5149.4	5076.8	5335.0
47.5°	4938.1	5010.8	5224.3	5573.1	5917.5	5961.1	5669.3	5622.3	5227.7	5150.5	5408.8
50°	5143.8	5194.1	5385.3	5775.5	6240.6	6266.3	5921.9	5864.9	5422.2	5355.1	5639.1
52.5°	4934.8	4929.2	5130.4	5611.1	6408.3	6717.9	6311.0	6256.2	5797.9	5695.0	5995.7
55°	4186.8	4123.1	4303.1	4776.0	5939.8	7119.3	7008.6	6899.1	6298.7	6037.1	6330.0
57.5°	3061.0	3043.1	3086.7	3530.6	4758.1	6497.7	7435.7	7425.6	6731.4	6350.1	6663.2
60°	2393.6	2366.8	2250.5	2262.8	3243.3	5075.6	6453.0	6749.3	6999.7	6538.0	6895.7
62.5°	2125.3	2105.2	2044.8	1878.2	1931.9	3403.1	4730.2	5001.8	6116.5	5774.4	5923.1
65°	1759.7	1754.1	1804.4	1797.7	1618.8	1879.3	2669.7	2943.6	3845.9	3893.9	3845.9
67.5°	1279.0	1268.9	1396.4	1647.9	1558.5	1418.7	1488.0	1583.1	1972.1	1770.9	1594.2
70°	831.8	817.2	891.0	1190.7	1395.2	1236.5	1072.1	1056.5	1084.4	674.1	728.9
72.5°	557.9	541.1	540.0	655.1	843.0	832.9	830.7	822.8	734.5	532.2	590.3
75°	310.8	297.4	294.0	282.8	301.9	307.4	327.6	338.7	366.7	403.6	447.2
77.5°	52.5	51.4	64.8	82.7	114.0	146.5	181.1	191.2	235.9	279.5	307.4
80°	29.1	30.2	39.1	48.1	63.7	87.2	111.8	118.5	145.3	168.8	191.2
82.5°	15.7	15.7	20.1	25.7	34.7	45.8	60.4	66.0	83.8	98.4	114.0
85°	5.6	5.6	7.8	10.1	14.5	19.0	23.5	26.8	36.9	50.3	57.0
87.5°	0.0	0.0	0.0	0.0	1.1	2.2	4.5	4.5	5.6	10.1	14.5
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°	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6
2.5°	4264.0	4233.8	4275.2	4294.2	4300.9	4305.3	4276.3	4256.2	4249.4	4228.2	4215.9
5°	4279.6	4259.5	4298.6	4298.6	4270.7	4241.6	4182.4	4141.0	4111.9	4077.3	4071.7
7.5°	4306.5	4291.9	4313.2	4269.6	4199.1	4120.9	4018.0	3937.5	3872.7	3830.2	3831.3
10°	4342.2	4324.4	4307.6	4210.3	4081.7	3937.5	3779.9	3662.5	3555.2	3506.0	3479.2
12.5°	4365.7	4340.0	4269.6	4108.6	3919.6	3726.2	3503.8	3329.3	3173.9	3103.5	3097.9
15°	4394.8	4347.8	4207.0	3976.7	3713.9	3450.1	3163.9	2921.3	2711.1	2601.5	2596.0
17.5°	4432.8	4355.7	4132.1	3825.7	3497.0	3108.0	2748.0	2442.8	2219.2	2134.2	2148.8
20°	4486.5	4364.6	4047.1	3658.0	3227.6	2718.9	2270.6	1990.0	1903.9	1898.3	1887.2
22.5°	4546.8	4370.2	3953.2	3470.2	2901.2	2304.2	1876.0	1756.3	1755.2	1783.2	1789.9
25°	4615.0	4374.7	3847.0	3251.1	2547.9	1890.5	1659.1	1623.3	1651.3	1703.8	1710.5
27.5°	4702.2	4383.6	3718.4	3010.7	2172.2	1633.4	1539.5	1530.5	1564.1	1613.2	1611.0
30°	4830.8	4416.0	3582.0	2734.6	1786.5	1511.5	1466.8	1467.9	1481.3	1504.8	1508.2
32.5°	4961.6	4466.3	3449.0	2423.8	1565.2	1442.2	1422.1	1419.8	1419.8	1429.9	1432.1
35°	5085.7	4523.4	3304.8	2099.6	1457.8	1401.9	1388.5	1381.8	1378.5	1376.2	1372.9
37.5°	5155.0	4551.3	3163.9	1779.8	1400.8	1375.1	1361.7	1352.8	1340.5	1331.5	1329.3
40°	5124.8	4518.9	3000.7	1540.6	1366.2	1349.4	1333.8	1321.5	1304.7	1296.9	1292.4
42.5°	5024.2	4418.3	2822.9	1427.7	1338.2	1321.5	1302.4	1282.3	1271.1	1264.4	1263.3
45°	4918.0	4296.4	2608.3	1361.7	1311.4	1291.3	1268.9	1246.5	1234.3	1230.9	1229.8
47.5°	4914.6	4236.0	2380.2	1309.2	1279.0	1258.8	1230.9	1208.5	1195.1	1190.7	1186.2
50°	5062.2	4297.5	2123.0	1263.3	1245.4	1224.2	1192.9	1168.3	1151.5	1145.9	1144.8
52.5°	5368.5	4528.9	1892.7	1217.5	1200.7	1176.1	1150.4	1125.8	1105.7	1095.6	1094.5
55°	5699.5	4823.0	1749.6	1170.5	1148.2	1126.9	1103.4	1076.6	1054.3	1038.6	1036.4
57.5°	6041.6	5143.8	1706.0	1111.3	1094.5	1080.0	1052.0	1023.0	997.2	982.7	979.4
60°	6323.3	5420.0	1787.7	1048.7	1039.7	1020.7	995.0	967.1	949.2	938.0	935.8
62.5°	5293.6	4412.7	1443.3	980.5	980.5	960.3	931.3	911.2	898.9	891.0	888.8
65°	3359.5	2732.3	984.9	912.3	911.2	884.3	859.7	846.3	840.7	828.4	826.2
67.5°	1463.4	1248.8	841.8	843.0	838.5	809.4	784.8	774.8	763.6	750.2	749.0
70°	759.1	773.6	753.5	765.8	758.0	723.3	699.9	684.2	660.7	647.3	648.4
72.5°	612.7	628.3	650.7	669.7	652.9	625.0	588.1	569.1	538.9	524.3	525.5
75°	467.3	484.1	505.3	525.5	512.0	477.4	453.9	434.9	400.2	383.5	386.8
77.5°	322.0	330.9	356.6	355.5	351.0	341.0	306.3	284.0	248.2	228.1	230.3
80°	200.1	205.7	218.0	223.6	221.4	207.9	180.0	163.2	142.0	129.7	130.8
82.5°	120.7	124.1	135.3	136.4	135.3	125.2	104.0	91.7	78.3	71.6	71.6
85°	61.5	63.7	70.4	70.4	63.7	53.7	48.1	42.5	34.7	31.3	31.3
87.5°	16.8	16.8	21.2	17.9	14.5	13.4	6.7	5.6	2.2	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)