

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: P635722

Luminaire Tested: GWS-SA3E-735-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21314.6 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 159.2
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

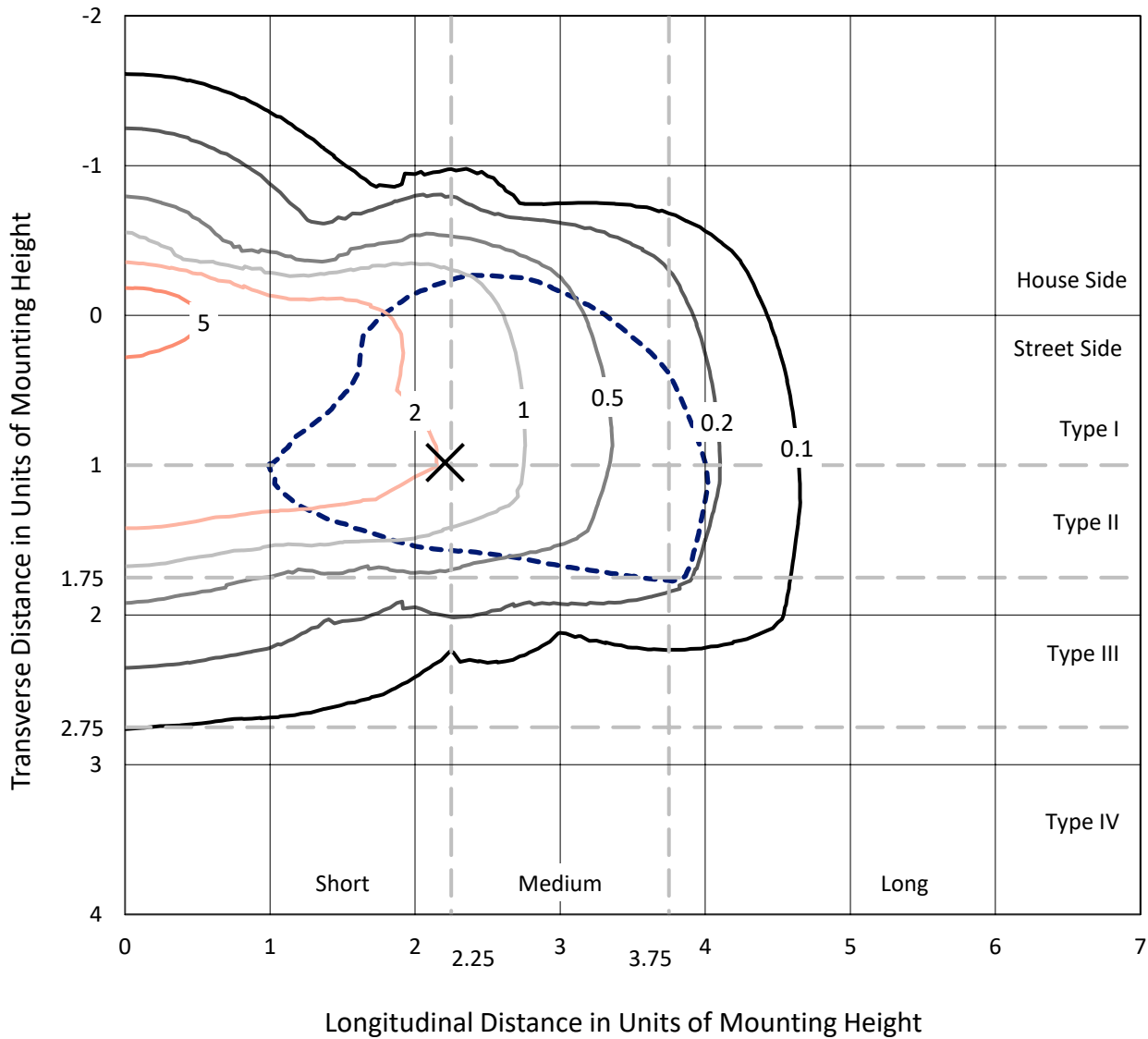


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Iso-Footcandle Lines of Horizontal Illumination

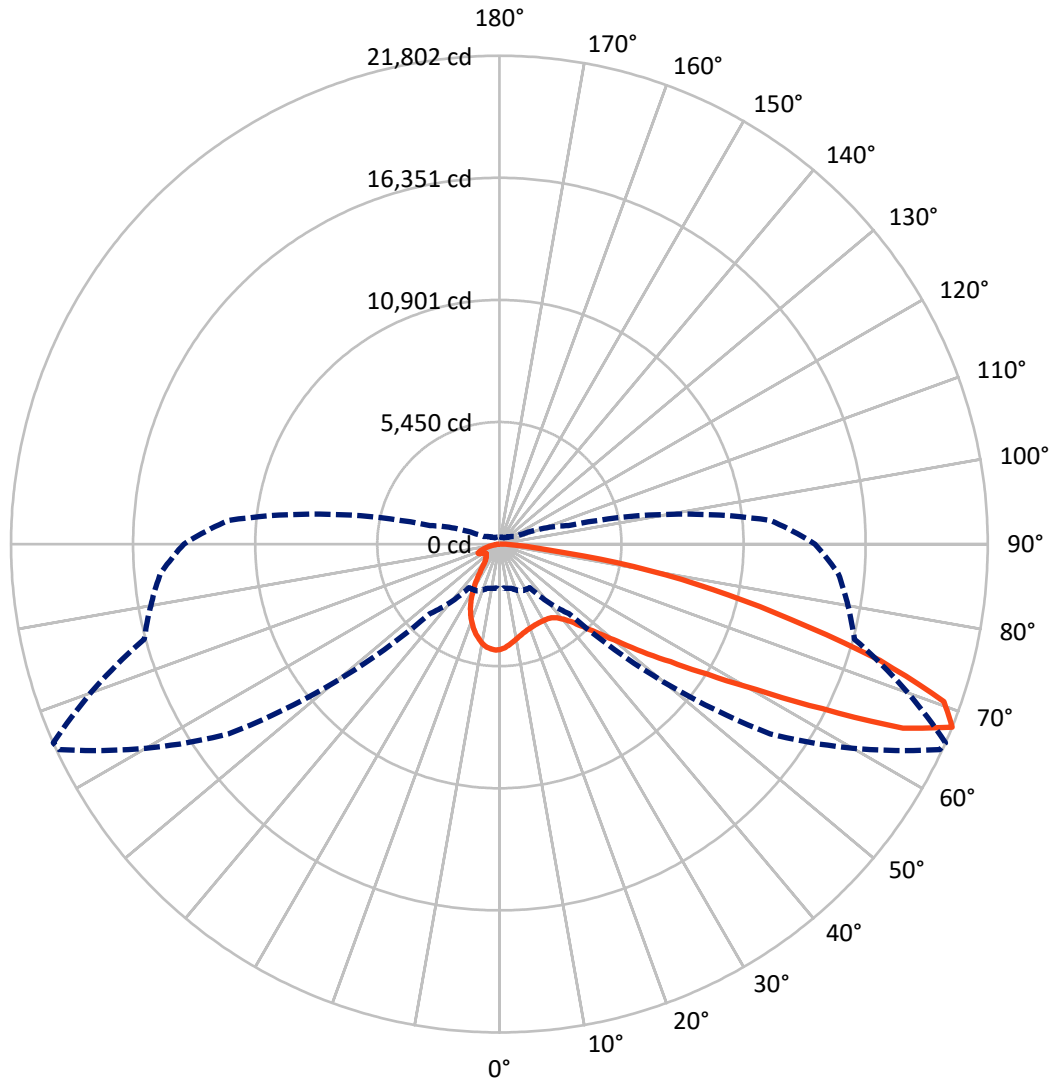
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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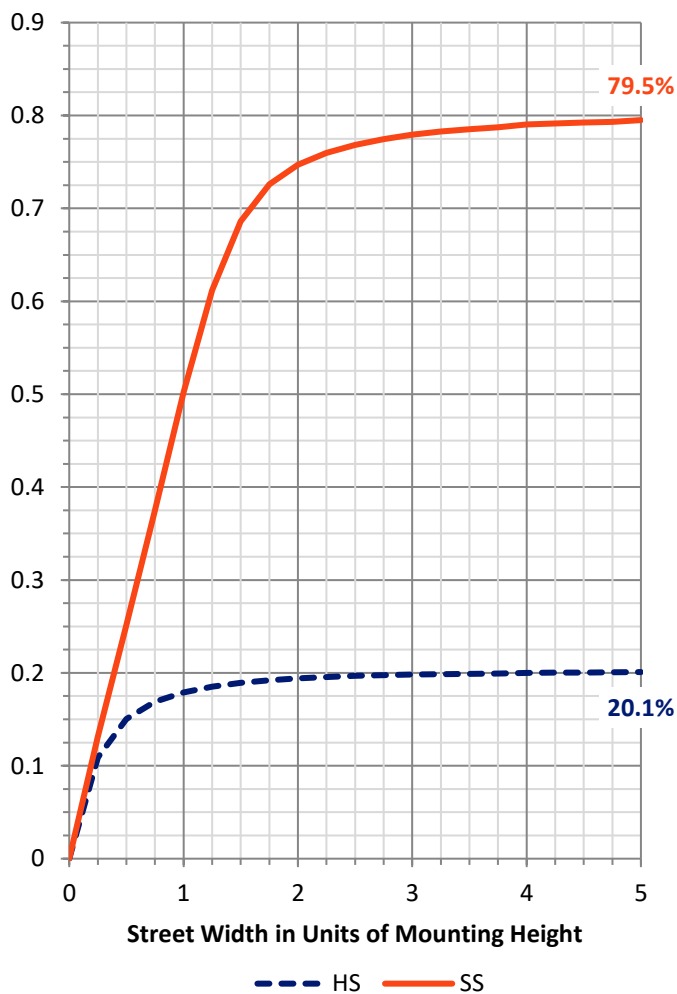
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4325.2	0.0	4325.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	16989.4	0.0	16989.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	21314.6	0.0	21314.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.3	1.9
10°-20°	1015.9	4.8
20°-30°	1396.3	6.6
30°-40°	1909.0	9.0
40°-50°	2892.7	13.6
50°-60°	4496.8	21.1
60°-70°	5474.7	25.7
70°-80°	3334.9	15.6
80°-90°	380.9	1.8
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°	21314.6	100.0
0°-180°	21314.6	100.0

Coefficient of Utilization



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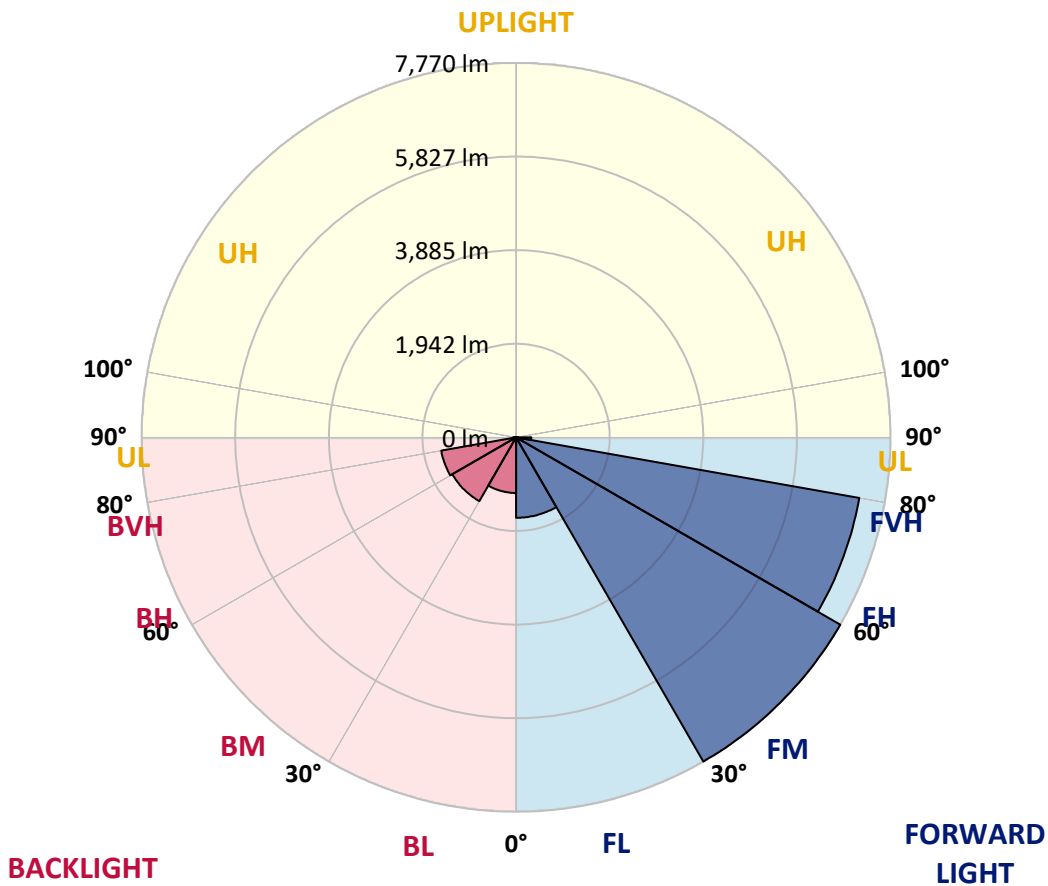
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1670.1	7.8			
FM (30°-60°)	7770.0	36.5			
FH (60°-80°)	7232.6	33.9			G3/7500
FVH (80°-90°)	316.7	1.5			G3/500
BL (0°-30°)	1155.5	5.4	B3/2500		
BM (30°-60°)	1528.5	7.2	B2/2500		
BH (60°-80°)	1577.1	7.4	B3/2500		G3/2500
BVH (80°-90°)	64.2	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9
2.5°	4411.4	4426.9	4417.6	4476.7	4479.8	4554.4	4596.4	4632.2	4635.3	4681.9	4713.0
5°	4109.7	4119.0	4119.0	4175.0	4212.3	4311.9	4408.3	4510.9	4518.7	4630.6	4716.1
7.5°	3865.6	3874.9	3868.7	3943.3	3991.5	4101.9	4224.8	4381.8	4397.4	4577.8	4727.0
10°	3674.3	3671.2	3686.8	3755.2	3817.4	3949.6	4086.4	4265.2	4288.5	4517.1	4739.5
12.5°	3543.7	3546.8	3556.2	3627.7	3694.5	3825.2	3966.7	4161.0	4185.9	4447.1	4733.2
15°	3481.5	3475.3	3483.1	3548.4	3612.1	3727.2	3873.4	4073.9	4098.8	4384.9	4734.8
17.5°	3467.5	3462.9	3461.3	3508.0	3556.2	3663.4	3803.4	4007.1	4033.5	4344.5	4744.1
20°	3511.1	3504.8	3487.7	3508.0	3528.2	3618.4	3753.6	3958.9	3988.4	4318.1	4762.8
22.5°	3630.8	3619.9	3593.5	3568.6	3542.2	3596.6	3722.5	3923.1	3952.7	4301.0	4781.4
25°	3812.7	3803.4	3775.4	3719.4	3623.0	3613.7	3716.3	3907.6	3937.1	4288.5	4789.2
27.5°	4063.1	4049.1	4021.1	3940.2	3783.2	3677.4	3739.6	3906.0	3934.0	4274.5	4781.4
30°	4360.1	4350.7	4335.2	4237.2	4027.3	3812.7	3792.5	3918.5	3940.2	4266.8	4765.9
32.5°	4661.7	4652.4	4664.8	4618.2	4360.1	4036.6	3907.6	3952.7	3968.2	4265.2	4751.9
35°	4927.6	4938.5	5028.7	5036.5	4783.0	4339.8	4089.5	4032.0	4035.1	4296.3	4758.1
37.5°	5205.9	5247.9	5366.1	5467.2	5255.7	4741.0	4360.1	4181.2	4178.1	4375.6	4797.0
40°	5574.5	5593.1	5744.0	5933.7	5801.5	5291.5	4744.1	4425.4	4403.6	4537.3	4901.2
42.5°	5933.7	5978.8	6219.8	6437.5	6393.9	5911.9	5227.7	4790.8	4751.9	4823.4	5115.8
45°	6390.8	6434.4	6704.9	6984.8	7064.1	6613.2	5846.6	5310.1	5271.3	5254.2	5509.2
47.5°	6848.0	6893.1	7135.6	7539.9	7818.3	7490.2	6652.0	5995.9	5932.1	5865.2	6103.2
50°	7155.8	7208.7	7440.4	7925.5	8578.6	8584.8	7606.8	6894.6	6813.8	6708.0	6939.7
52.5°	7145.0	7179.2	7400.0	7959.8	9126.0	9842.8	8884.9	8039.1	7973.7	7743.6	7945.8
55°	6583.6	6634.9	6857.3	7557.0	9185.0	11035.4	10763.3	9388.7	9272.1	8860.1	9082.4
57.5°	5456.3	5499.8	5723.7	6586.7	8661.0	11646.5	13148.6	11108.5	10948.4	10076.0	10332.6
60°	4119.0	4066.2	4171.9	4927.6	7407.7	11662.1	15254.0	13440.9	13173.5	11376.0	11590.5
62.5°	3091.2	3038.4	3061.7	3274.7	5022.5	10719.8	16454.4	16631.7	16190.1	12843.8	12801.8
65°	2442.8	2413.3	2480.1	2626.3	2928.0	8163.4	16463.7	20082.1	19803.8	14544.9	14044.2
67.5°	1990.3	1971.7	2040.1	2310.6	2374.4	4386.5	14762.6	21693.0	21801.9	16407.8	15196.5
70°	1603.1	1575.2	1682.4	2038.5	2208.0	2654.3	10575.2	20872.0	21047.7	17518.0	14871.5
72.5°	1107.1	1108.7	1163.1	1651.3	2131.8	2292.0	5981.9	17379.6	17760.6	16511.9	13074.0
75°	746.4	752.6	768.1	1090.0	1963.9	2223.6	3187.6	13157.9	13426.9	13647.7	10806.9
77.5°	450.9	454.0	489.8	659.3	1354.4	2075.8	2159.8	9538.0	9749.5	8996.9	6698.7
80°	261.2	272.1	304.8	441.6	914.3	1559.6	1671.6	5848.1	6087.6	3999.3	2128.7
82.5°	115.1	122.8	166.4	256.6	533.3	1326.4	1304.6	2310.6	2276.4	1114.9	738.6
85°	20.2	24.9	35.8	80.9	195.9	699.7	1012.3	1020.0	959.4	422.9	306.3
87.5°	0.0	0.0	0.0	0.0	0.0	4.7	152.4	273.7	272.1	119.7	105.7
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°	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9	4709.9
2.5°	4733.2	4691.3	4728.6	4733.2	4725.5	4719.3	4672.6	4632.2	4627.5	4584.0	4584.0
5°	4750.3	4711.5	4730.1	4694.4	4638.4	4580.9	4481.3	4412.9	4381.8	4325.9	4325.9
7.5°	4773.7	4733.2	4711.5	4622.8	4492.2	4366.3	4206.1	4072.4	4018.0	3938.7	3935.6
10°	4795.4	4744.1	4669.5	4496.9	4288.5	4087.9	3854.7	3665.0	3535.9	3441.1	3441.1
12.5°	4793.9	4727.0	4579.3	4324.3	4036.6	3745.9	3434.9	3148.8	2977.7	2830.0	2820.7
15°	4790.8	4699.0	4464.2	4123.7	3742.7	3340.0	2917.1	2543.9	2290.4	2145.8	2133.4
17.5°	4787.7	4663.3	4335.2	3895.1	3385.1	2836.2	2278.0	1873.7	1662.2	1573.6	1576.7
20°	4787.7	4622.8	4196.8	3632.3	2973.1	2232.9	1671.6	1377.7	1324.8	1329.5	1334.1
22.5°	4773.7	4573.1	4042.9	3346.2	2514.3	1642.0	1233.1	1133.6	1161.5	1205.1	1211.3
25°	4741.0	4490.7	3864.0	3029.0	1968.6	1195.8	1006.0	987.4	1038.7	1093.1	1108.7
27.5°	4689.7	4395.8	3663.4	2657.4	1449.2	961.0	884.8	883.2	923.6	964.1	978.1
30°	4635.3	4290.1	3452.0	2243.8	1049.6	836.6	807.0	807.0	827.2	852.1	849.0
32.5°	4571.5	4182.8	3225.0	1813.1	855.2	766.6	757.3	752.6	755.7	765.0	765.0
35°	4517.1	4087.9	2991.7	1357.5	766.6	727.7	718.4	707.5	702.8	696.6	699.7
37.5°	4496.9	4013.3	2750.7	1023.2	723.0	699.7	684.2	668.6	657.7	654.6	653.1
40°	4529.5	3982.2	2509.7	842.8	691.9	670.2	653.1	632.9	623.5	623.5	623.5
42.5°	4657.1	4005.5	2264.0	761.9	670.2	645.3	620.4	601.8	598.7	601.8	603.3
45°	4890.3	4095.7	2009.0	721.5	651.5	620.4	590.9	576.9	576.9	580.0	580.0
47.5°	5307.0	4332.1	1757.1	696.6	632.9	600.2	569.1	555.1	553.6	556.7	556.7
50°	6028.5	4758.1	1530.1	679.5	618.9	584.7	553.6	534.9	530.2	528.7	528.7
52.5°	6938.2	5496.7	1385.5	667.1	601.8	567.6	536.5	511.6	502.2	497.6	497.6
55°	8037.5	6481.0	1385.5	657.7	580.0	547.3	511.6	486.7	472.7	466.5	466.5
57.5°	9283.0	7627.0	1624.9	650.0	562.9	524.0	485.1	460.3	444.7	435.4	435.4
60°	10550.3	8838.3	2217.3	639.1	547.3	494.5	455.6	432.3	412.1	401.2	399.6
62.5°	11864.2	10172.4	2997.9	645.3	536.5	466.5	424.5	398.1	381.0	370.1	368.5
65°	13067.7	11442.8	3680.5	693.5	538.0	441.6	388.7	365.4	351.4	337.4	335.9
67.5°	14089.3	12144.1	3201.6	791.5	570.7	412.1	353.0	329.6	317.2	307.9	306.3
70°	13374.1	11074.3	1816.2	852.1	615.8	381.0	312.5	297.0	284.6	278.3	276.8
72.5°	11436.6	9376.3	1214.4	752.6	561.3	340.5	275.2	262.8	253.5	245.7	244.1
75°	9264.3	7435.7	928.3	617.3	436.9	276.8	236.4	227.0	217.7	209.9	208.4
77.5°	5481.2	4296.3	684.2	488.3	307.9	216.1	195.9	188.1	178.8	172.6	171.0
80°	1749.3	1492.7	433.8	335.9	203.7	166.4	150.8	144.6	135.3	127.5	126.0
82.5°	667.1	576.9	230.1	171.0	135.3	113.5	101.1	94.9	88.6	80.9	79.3
85°	295.4	276.8	127.5	91.7	73.1	56.0	49.8	46.6	38.9	32.7	31.1
87.5°	104.2	104.2	54.4	26.4	15.5	7.8	4.7	1.6	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)