

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: P643283

Luminaire Tested: GWS-SA6E-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33616.9 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

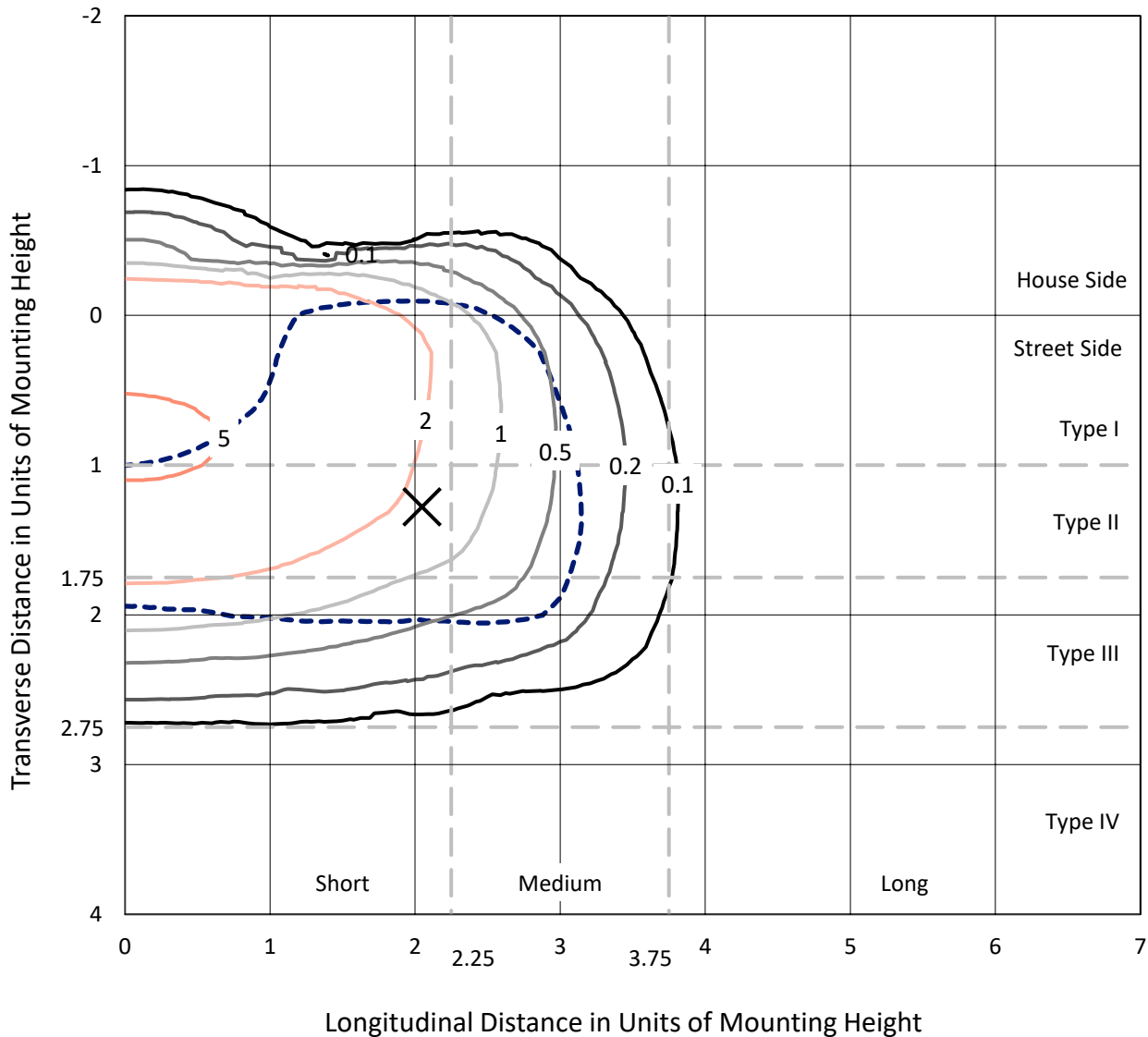
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

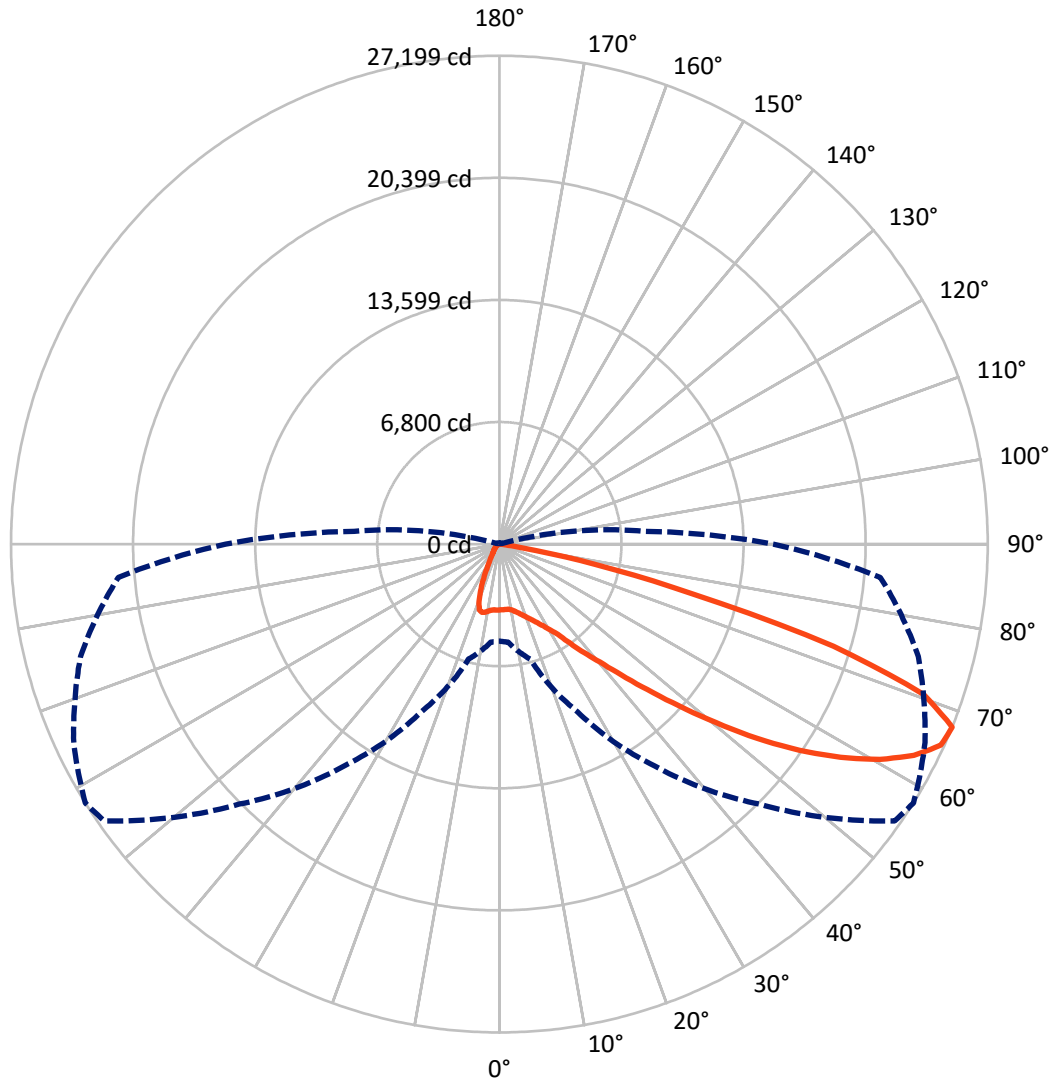
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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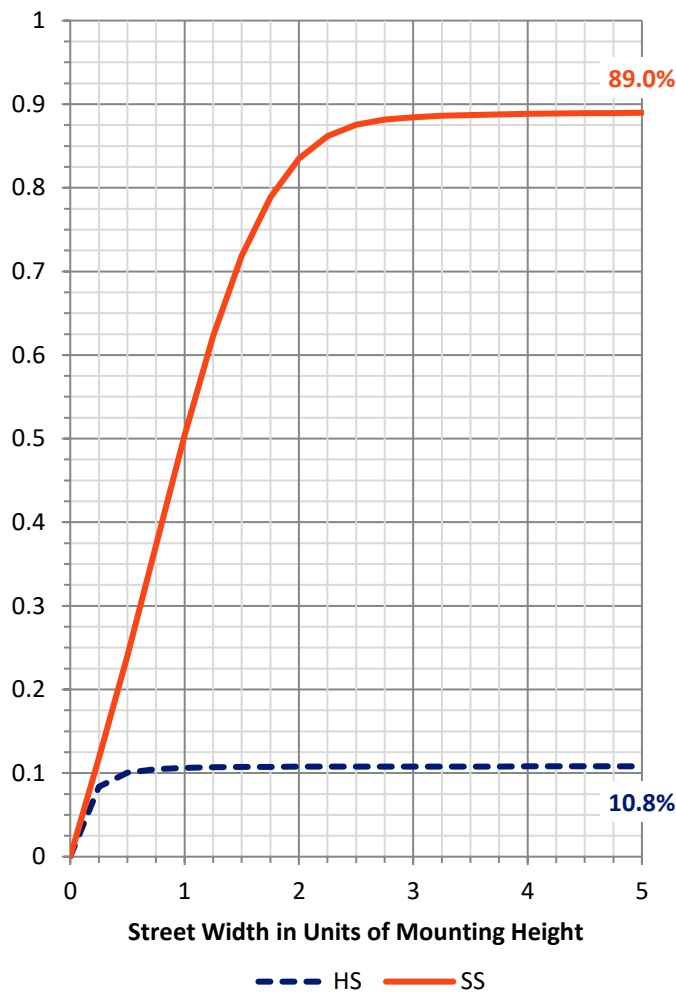
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3667.5	0.0	3667.5
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	29949.4	0.0	29949.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	33616.9	0.0	33616.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.1	1.0
10°-20°	966.2	2.9
20°-30°	1686.5	5.0
30°-40°	3011.9	9.0
40°-50°	5505.1	16.4
50°-60°	9155.6	27.2
60°-70°	9944.6	29.6
70°-80°	2919.8	8.7
80°-90°	83.2	0.2
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°	33616.9	100.0
0°-180°	33616.9	100.0

Coefficient of Utilization



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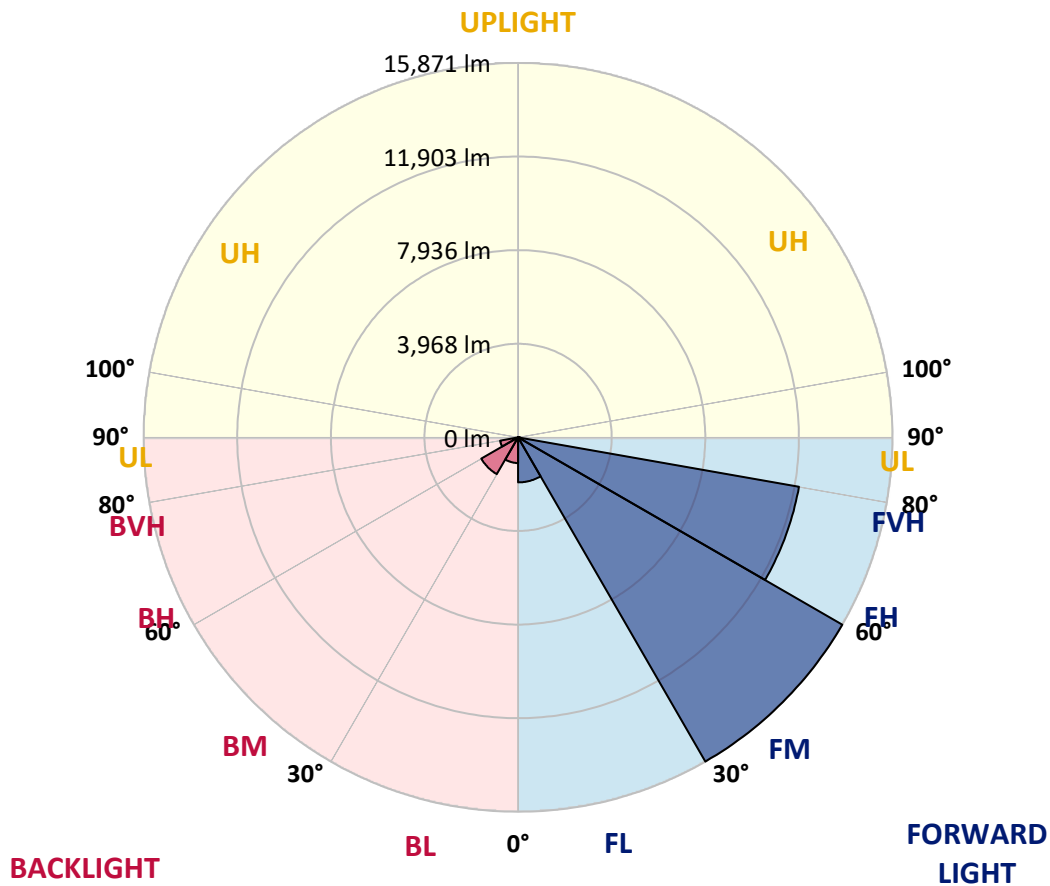
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1908.9	5.7			
FM (30°-60°)	15871.2	47.2			
FH (60°-80°)	12090.2	36.0			G5
FVH (80°-90°)	79.1	0.2			G1/100
BL (0°-30°)	1087.9	3.2	B3/2500		
BM (30°-60°)	1801.4	5.4	B2/2500		
BH (60°-80°)	774.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2
2.5°	3594.3	3587.7	3587.7	3614.0	3617.3	3630.4	3660.0	3663.2	3679.7	3673.1	3650.1
5°	3407.2	3410.5	3430.2	3476.1	3515.5	3564.8	3637.0	3653.4	3689.5	3709.2	3696.1
7.5°	3233.2	3236.5	3266.1	3338.3	3413.8	3512.2	3630.4	3663.2	3735.5	3788.0	3791.3
10°	3167.6	3164.3	3193.8	3275.9	3374.4	3512.2	3682.9	3725.6	3833.9	3925.8	3942.2
12.5°	3187.3	3184.0	3213.5	3289.0	3397.4	3571.3	3774.8	3833.9	3971.8	4112.9	4142.5
15°	3266.1	3262.8	3282.5	3344.8	3463.0	3643.5	3893.0	3981.6	4155.6	4326.3	4372.3
17.5°	3502.4	3486.0	3466.3	3472.9	3541.8	3728.9	4044.0	4152.3	4369.0	4572.5	4611.9
20°	3922.6	3879.9	3827.4	3758.4	3725.6	3853.6	4218.0	4342.7	4605.3	4838.4	4844.9
22.5°	4556.1	4539.7	4418.2	4218.0	4076.8	4080.1	4421.5	4565.9	4887.6	5143.6	5107.5
25°	5439.1	5429.2	5242.1	4913.9	4546.2	4421.5	4680.8	4828.5	5222.4	5494.9	5380.0
27.5°	6535.4	6466.5	6246.5	5803.4	5255.2	4864.6	5009.1	5140.3	5576.9	5833.0	5616.3
30°	7490.6	7493.9	7287.1	6824.3	6207.2	5531.0	5409.5	5524.4	5901.9	6171.0	5908.4
32.5°	8409.7	8439.2	8212.7	7795.9	7119.7	6400.8	5983.9	6003.6	6318.8	6610.9	6292.5
35°	9263.1	9286.1	9128.6	8774.0	8143.8	7310.1	6784.9	6775.0	6945.7	7244.4	6827.5
37.5°	10218.3	10241.3	10087.0	9768.6	9177.8	8350.6	7694.1	7681.0	7749.9	7992.8	7516.9
40°	11235.9	11278.6	11107.9	10838.7	10274.1	9575.0	8751.1	8632.9	8564.0	8849.5	8409.7
42.5°	12266.6	12332.2	12273.2	12004.0	11521.5	10943.8	10123.1	9939.3	9791.6	10149.4	9683.3
45°	13546.8	13625.5	13599.3	13392.5	13018.3	12548.9	11774.2	11560.9	11491.9	11823.5	11268.7
47.5°	14777.7	14863.0	14958.2	14912.3	14646.4	14429.7	13569.7	13448.3	13428.6	13783.1	12923.1
50°	15693.5	15772.3	16136.6	16399.2	16579.8	16533.8	15788.7	15608.2	15578.6	15805.1	14669.4
52.5°	16350.0	16425.5	16927.7	17748.3	18411.4	18772.5	18020.8	17981.4	17820.5	17741.8	16304.0
55°	16858.8	16963.8	17492.3	18733.1	20069.0	20870.0	20400.6	20259.4	19845.8	19392.8	17820.5
57.5°	16960.5	17003.2	17748.3	19422.4	21355.8	22652.3	22652.3	22406.1	21608.5	20981.6	19573.4
60°	16048.0	16179.3	17187.0	19366.6	21907.2	23817.6	24520.1	24349.4	23272.7	22501.3	21260.6
62.5°	14022.7	14170.4	15398.1	18030.6	21355.8	24057.2	25934.8	25908.5	24694.0	23758.5	22658.9
65°	10753.4	10861.7	11931.8	15083.0	19025.2	23134.9	26945.8	27018.0	25816.6	24589.0	23141.4
67.5°	5402.9	5478.4	6633.9	10303.7	15079.7	20479.3	26876.9	27198.6	26158.0	24149.1	21300.0
70°	1887.4	1962.9	2507.8	4421.5	9177.8	15637.7	24552.9	25078.1	24152.4	20613.9	15713.2
72.5°	646.6	682.8	1040.5	1641.2	3571.3	9269.7	18670.7	19461.8	17804.1	13838.9	9030.1
75°	367.6	390.6	558.0	889.5	1496.8	3049.4	10592.5	11078.3	10379.2	7543.1	3715.8
77.5°	249.5	269.2	347.9	505.5	827.2	981.5	4319.7	5439.1	4743.2	2461.9	948.6
80°	147.7	160.8	213.4	298.7	423.4	380.8	925.7	1230.9	1585.4	735.3	285.6
82.5°	68.9	78.8	137.9	196.9	213.4	160.8	272.4	331.5	446.4	361.1	118.2
85°	0.0	0.0	46.0	82.1	78.8	46.0	75.5	82.1	121.5	180.5	46.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.3	6.6	9.8	19.7	36.1	19.7
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°	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2
2.5°	3676.4	3653.4	3679.7	3666.5	3679.7	3676.4	3650.1	3633.7	3633.7	3604.2	3594.3
5°	3722.3	3699.3	3705.9	3676.4	3669.8	3653.4	3620.6	3607.4	3607.4	3577.9	3568.0
7.5°	3824.1	3788.0	3781.4	3722.3	3696.1	3650.1	3591.0	3568.0	3564.8	3535.2	3525.4
10°	3984.9	3942.2	3912.7	3837.2	3761.7	3669.8	3545.1	3440.0	3380.9	3302.2	3295.6
12.5°	4181.9	4129.3	4083.4	3968.5	3843.8	3637.0	3269.3	2885.3	2649.0	2461.9	2475.0
15°	4401.8	4352.6	4280.3	4106.4	3850.3	3312.0	2543.9	1953.1	1664.2	1509.9	1503.4
17.5°	4641.4	4569.2	4451.0	4214.7	3643.5	2530.8	1654.4	1168.6	1017.6	965.0	951.9
20°	4864.6	4776.0	4628.3	4237.7	3046.1	1713.4	1034.0	906.0	879.7	863.3	863.3
22.5°	5101.0	4989.4	4769.4	4060.4	2264.9	1096.3	879.7	850.2	830.5	807.5	804.2
25°	5340.6	5196.2	4897.4	3597.6	1483.7	863.3	823.9	791.1	755.0	718.9	709.0
27.5°	5544.1	5357.0	4995.9	2908.3	951.9	777.9	751.7	695.9	646.6	607.3	600.7
30°	5787.0	5547.4	5038.6	2127.0	748.4	686.0	646.6	587.6	528.5	489.1	476.0
32.5°	6112.0	5849.4	4972.9	1385.2	663.1	604.0	541.6	472.7	413.6	370.9	364.4
35°	6617.5	6305.6	4671.0	883.0	600.7	521.9	446.4	374.2	325.0	292.1	285.6
37.5°	7234.6	6945.7	4175.3	663.1	538.3	453.0	364.4	295.4	259.3	236.3	229.8
40°	8150.4	7746.6	3561.5	581.0	476.0	384.0	298.7	242.9	216.6	196.9	190.4
42.5°	9338.6	8692.0	2855.7	528.5	416.9	321.7	242.9	200.2	177.3	164.1	160.8
45°	10727.1	9614.4	2110.6	476.0	361.1	265.9	200.2	164.1	147.7	137.9	134.6
47.5°	12148.4	10421.8	1457.4	420.2	308.6	219.9	167.4	141.1	128.0	114.9	111.6
50°	13664.9	11104.6	994.6	364.4	262.6	180.5	144.4	128.0	111.6	101.8	98.5
52.5°	14777.7	11357.4	692.6	315.1	223.2	154.3	128.0	114.9	101.8	88.6	85.3
55°	15805.1	11350.8	525.2	265.9	190.4	134.6	114.9	101.8	88.6	78.8	75.5
57.5°	16829.2	11262.2	413.6	226.5	164.1	121.5	101.8	88.6	82.1	68.9	65.6
60°	17492.3	10927.3	321.7	190.4	141.1	105.0	88.6	78.8	68.9	59.1	55.8
62.5°	17843.5	10461.2	246.2	151.0	114.9	91.9	78.8	68.9	59.1	49.2	46.0
65°	17367.6	9634.1	193.7	118.2	88.6	78.8	65.6	55.8	46.0	36.1	32.8
67.5°	15256.9	8124.1	151.0	95.2	68.9	59.1	55.8	46.0	32.8	26.3	23.0
70°	10782.9	5563.8	118.2	72.2	52.5	46.0	42.7	36.1	26.3	19.7	16.4
72.5°	5918.3	2806.5	85.3	52.5	39.4	36.1	32.8	29.5	23.0	16.4	16.4
75°	2278.0	771.4	62.4	36.1	26.3	26.3	23.0	23.0	19.7	13.1	13.1
77.5°	594.1	229.8	39.4	23.0	16.4	16.4	16.4	13.1	13.1	9.8	9.8
80°	190.4	75.5	23.0	16.4	13.1	9.8	9.8	6.6	9.8	6.6	6.6
82.5°	62.4	26.3	13.1	13.1	9.8	6.6	6.6	3.3	3.3	0.0	0.0
85°	23.0	13.1	9.8	6.6	6.6	6.6	3.3	0.0	0.0	0.0	0.0
87.5°	13.1	6.6	6.6	6.6	6.6	3.3	0.0	0.0	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)