

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: P635176

Luminaire Tested: GWS-SA3D-730-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15701.8 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

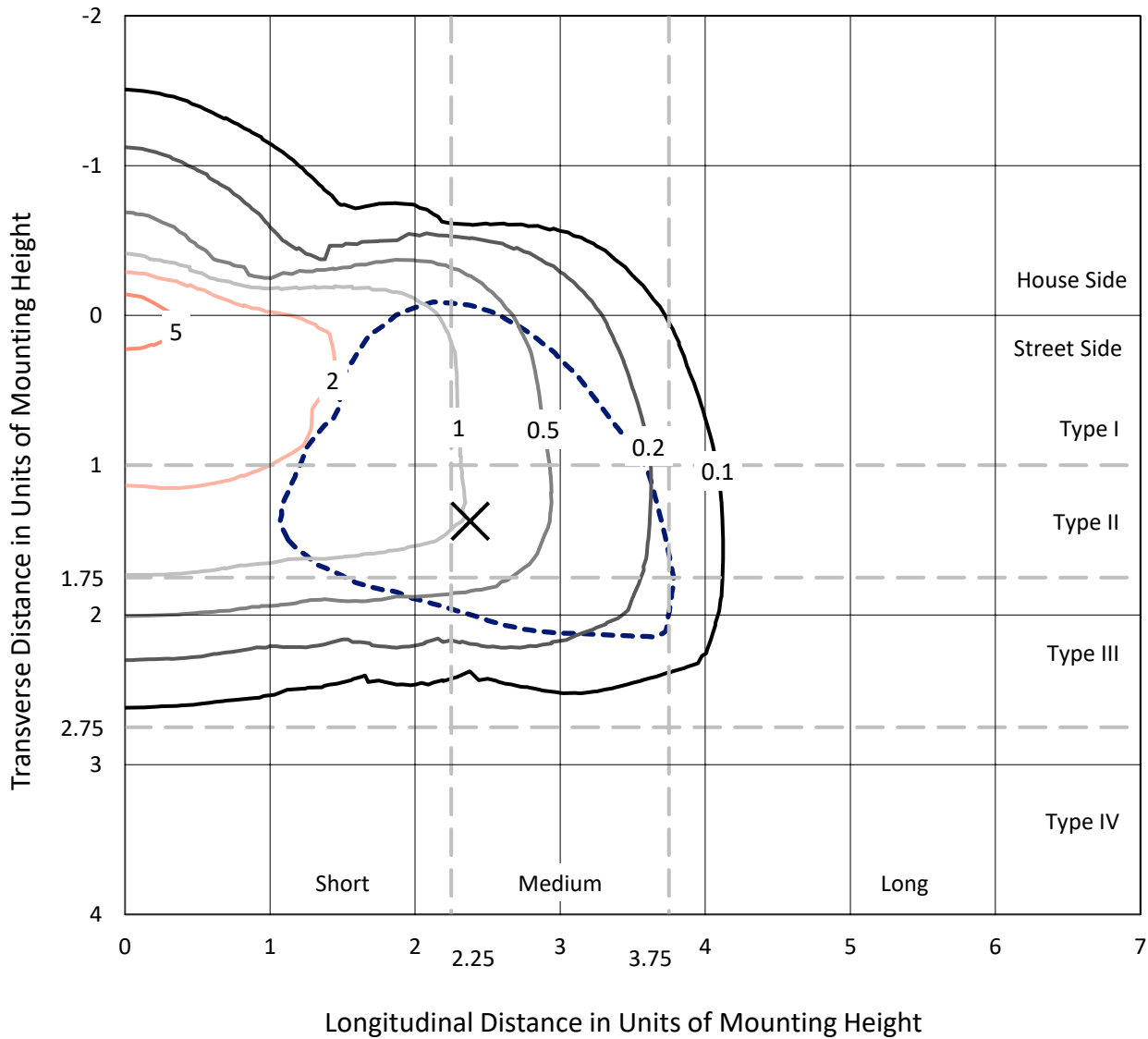
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

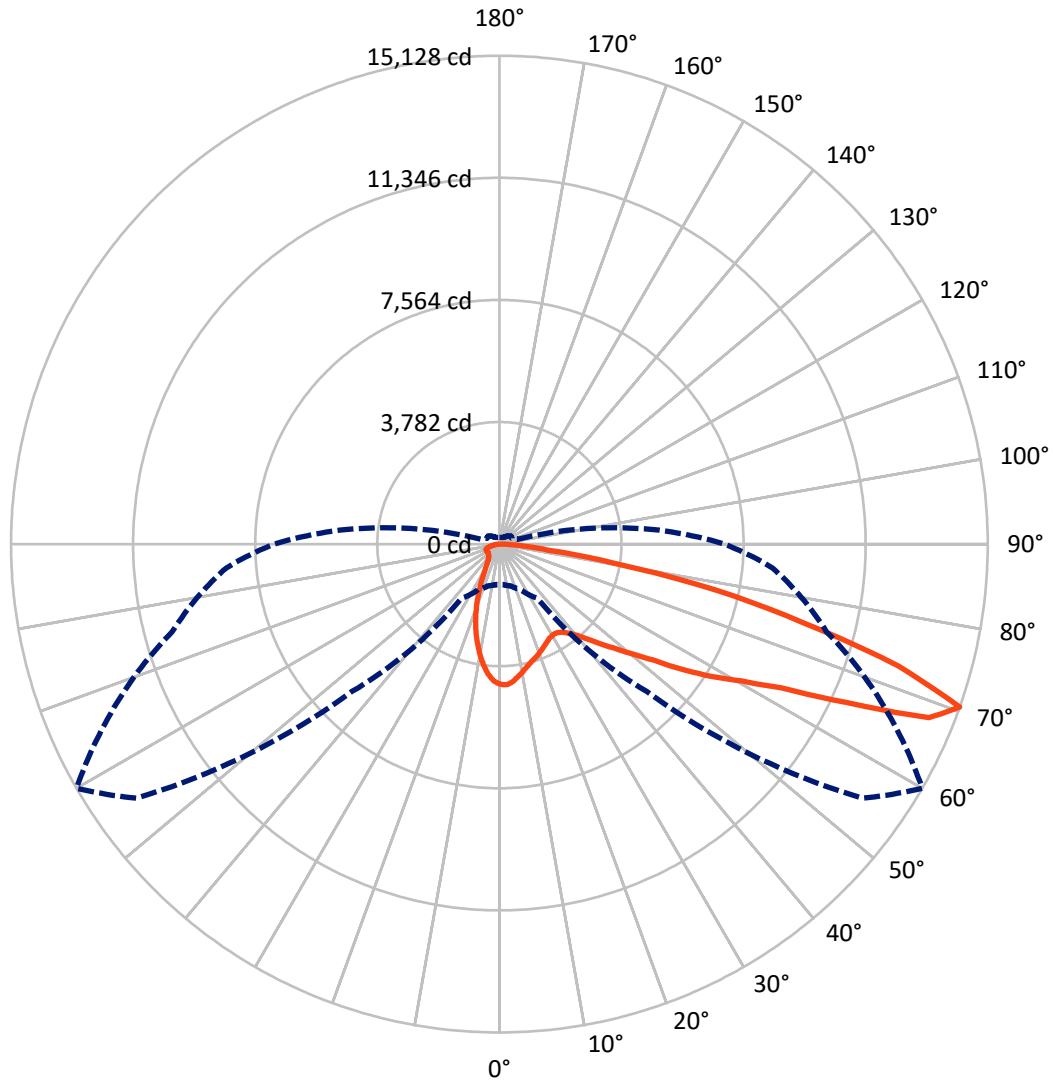
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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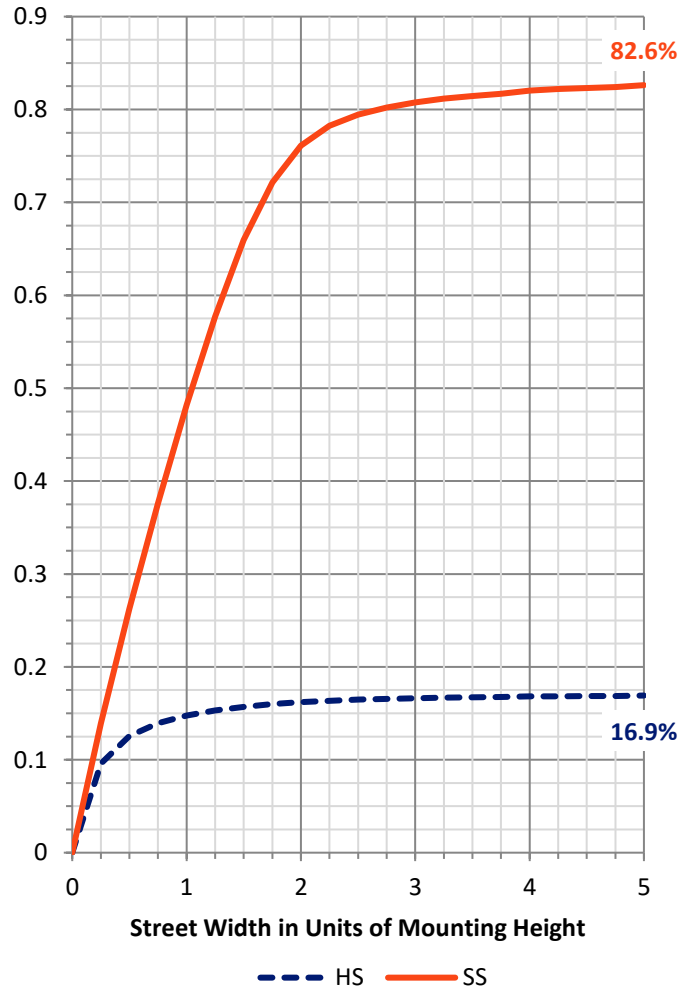
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2685.4	0.0	2685.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	13016.4	0.0	13016.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	15701.8	0.0	15701.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.5	2.4
10°-20°	839.0	5.3
20°-30°	1074.5	6.8
30°-40°	1412.2	9.0
40°-50°	2048.8	13.0
50°-60°	3196.7	20.4
60°-70°	4185.1	26.7
70°-80°	2314.2	14.7
80°-90°	256.8	1.6
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°	15701.8	100.0
0°-180°	15701.8	100.0

Coefficient of Utilization



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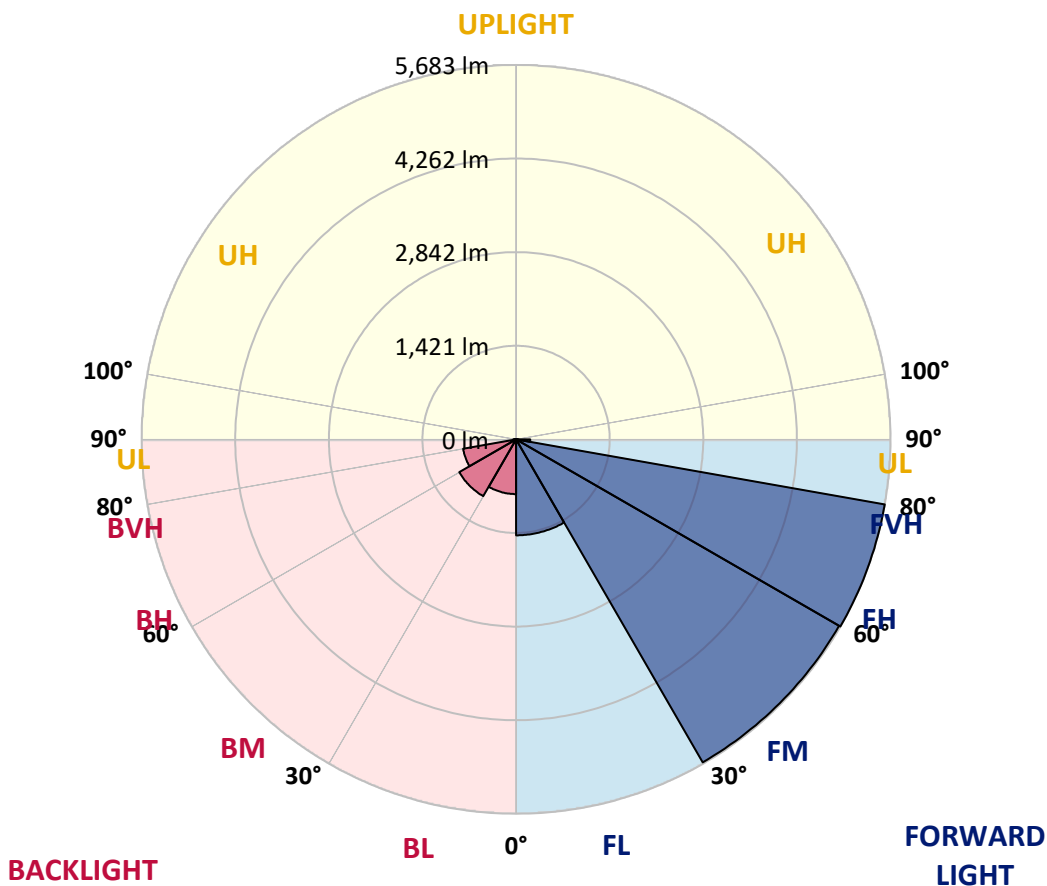
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1457.2	9.3			
FM (30°-60°)	5662.0	36.1			
FH (60°-80°)	5683.2	36.2			G3/7500
FVH (80°-90°)	214.0	1.4			G2/225
BL (0°-30°)	830.8	5.3	B2/1000		
BM (30°-60°)	995.7	6.3	B1/1000		
BH (60°-80°)	816.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	42.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9
2.5°	4284.0	4288.6	4301.2	4319.6	4338.0	4347.2	4370.2	4363.3	4358.7	4349.5	4338.0
5°	4094.4	4103.6	4115.1	4150.7	4190.9	4223.1	4274.8	4280.6	4282.9	4287.4	4269.1
7.5°	3853.2	3855.5	3883.1	3930.2	3983.0	4038.2	4124.3	4148.4	4169.1	4192.1	4177.2
10°	3586.7	3592.4	3613.1	3680.9	3771.6	3853.2	3969.2	4009.4	4053.1	4103.6	4083.0
12.5°	3368.4	3369.5	3402.8	3475.2	3574.0	3684.3	3829.1	3877.3	3934.8	4014.0	3995.6
15°	3194.9	3194.9	3225.9	3288.0	3401.7	3531.5	3703.8	3765.9	3844.0	3950.8	3918.7
17.5°	3057.0	3058.2	3077.7	3143.2	3244.3	3387.9	3592.4	3676.3	3762.4	3903.7	3855.5
20°	2984.7	2978.9	2982.4	3022.6	3108.7	3247.8	3481.0	3578.6	3694.7	3871.6	3798.0
22.5°	2981.2	2970.9	2956.0	2959.4	3009.9	3124.8	3361.5	3479.8	3625.7	3845.1	3739.5
25°	3039.8	3028.3	3001.9	2972.0	2967.4	3036.4	3248.9	3383.3	3554.5	3833.7	3683.2
27.5°	3138.6	3130.6	3096.1	3051.3	3004.2	3001.9	3163.9	3304.0	3502.8	3845.1	3643.0
30°	3269.6	3255.8	3234.0	3176.5	3105.3	3031.8	3130.6	3261.5	3468.3	3881.9	3625.7
32.5°	3417.8	3409.7	3389.1	3331.6	3255.8	3138.6	3157.0	3270.7	3468.3	3946.2	3629.2
35°	3575.2	3574.0	3574.0	3536.1	3452.2	3306.3	3261.5	3348.9	3521.2	4049.6	3665.9
37.5°	3728.0	3726.8	3763.6	3777.4	3682.0	3524.6	3439.6	3505.1	3637.2	4202.4	3756.7
40°	3852.0	3856.6	3937.1	4006.0	3953.1	3807.2	3687.8	3721.1	3825.6	4419.6	3915.2
42.5°	3977.3	3989.9	4110.5	4232.3	4253.0	4126.6	4006.0	4025.5	4095.6	4706.8	4151.9
45°	4114.0	4119.7	4288.6	4458.6	4558.6	4483.9	4385.1	4411.5	4427.6	5061.8	4504.6
47.5°	4246.1	4261.0	4479.3	4712.5	4902.1	4895.2	4840.0	4832.0	4835.4	5493.7	4921.6
50°	4426.5	4448.3	4704.5	4985.9	5264.0	5391.5	5407.6	5346.7	5321.4	5973.9	5440.9
52.5°	4768.8	4768.8	4998.6	5275.4	5648.8	5964.7	6072.7	5972.8	5892.4	6481.7	5992.3
55°	5197.3	5215.7	5398.4	5622.4	6095.7	6567.9	6933.2	6822.9	6595.5	7034.3	6570.2
57.5°	5388.0	5411.0	5700.5	6048.6	6680.5	7253.7	7760.4	7721.3	7389.3	7608.7	7169.9
60°	5043.4	5091.6	5490.3	6073.9	7210.1	8360.1	8717.4	8603.6	8129.2	8211.9	7820.1
62.5°	4207.0	4259.9	4702.2	5516.7	7136.6	9556.0	10225.8	9806.4	9052.8	8973.5	8686.3
65°	2510.2	2507.9	3039.8	4119.7	6230.1	9888.0	12613.1	11830.7	10479.7	10019.0	9577.8
67.5°	1595.7	1592.3	1703.7	2182.8	4146.1	9074.6	14147.9	14351.2	12417.7	10787.6	9651.4
70°	1259.1	1258.0	1338.4	1556.7	2050.7	6457.6	13720.5	15127.8	13588.4	10494.6	8497.9
72.5°	917.9	920.2	1044.3	1303.9	1581.9	3242.0	11110.4	12943.9	12498.2	9264.2	6898.7
75°	659.4	662.9	737.6	998.3	1459.0	1772.7	7388.2	9732.9	9508.9	7426.1	4745.8
77.5°	419.3	423.9	489.4	699.6	1178.7	1431.4	4479.3	6871.2	6326.6	4184.1	1687.6
80°	256.2	271.1	326.3	521.6	942.0	1074.2	2239.1	3620.0	3168.5	1147.7	567.5
82.5°	132.1	143.6	196.5	322.8	649.1	943.2	1267.2	1521.1	981.1	480.2	302.1
85°	41.4	48.3	68.9	131.0	309.0	584.8	838.6	755.9	450.3	226.3	140.2
87.5°	10.3	10.3	11.5	11.5	12.6	26.4	162.0	171.2	119.5	71.2	57.4
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°	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9
2.5°	4315.0	4287.4	4276.0	4274.8	4246.1	4204.7	4177.2	4157.6	4146.1	4143.8	4143.8
5°	4238.0	4202.4	4155.3	4119.7	4042.7	3964.6	3899.1	3862.4	3819.9	3814.1	3813.0
7.5°	4135.8	4084.1	3994.5	3894.5	3760.1	3630.3	3520.0	3445.4	3370.7	3356.9	3352.3
10°	4025.5	3955.4	3802.6	3626.9	3425.8	3231.7	3062.8	2930.7	2843.4	2781.3	2769.8
12.5°	3916.4	3823.3	3599.3	3337.4	3061.6	2796.3	2542.4	2326.4	2170.1	2079.4	2063.3
15°	3814.1	3684.3	3377.6	3043.3	2684.8	2321.8	1962.2	1681.9	1462.5	1384.3	1366.0
17.5°	3721.1	3559.1	3162.7	2738.8	2291.9	1817.5	1408.5	1159.2	1030.5	991.4	982.3
20°	3628.0	3430.4	2944.5	2418.3	1874.9	1343.0	1029.4	912.2	863.9	849.0	844.4
22.5°	3528.1	3289.1	2706.7	2102.4	1453.3	1005.2	842.1	790.4	775.5	776.6	775.5
25°	3428.1	3145.5	2457.4	1758.9	1082.2	815.7	735.3	715.7	719.2	729.5	731.8
27.5°	3345.4	3018.0	2212.7	1382.0	845.5	701.9	664.0	662.9	675.5	689.3	691.6
30°	3285.7	2904.3	1971.4	1062.7	696.2	623.8	608.9	615.8	630.7	641.0	644.5
32.5°	3243.2	2806.6	1714.1	835.2	610.0	568.7	561.8	568.7	577.9	588.2	590.5
35°	3228.2	2735.4	1461.3	681.3	551.4	528.5	523.9	527.3	531.9	537.7	540.0
37.5°	3261.5	2699.8	1197.1	592.8	515.8	502.0	495.1	492.8	494.0	496.3	497.4
40°	3360.3	2715.8	981.1	541.1	492.8	480.2	468.7	464.1	463.0	465.3	464.1
42.5°	3530.4	2783.6	824.9	511.2	474.5	456.1	443.5	438.9	438.9	444.6	444.6
45°	3779.7	2916.9	712.3	489.4	458.4	435.4	421.6	419.3	423.9	433.1	434.3
47.5°	4145.0	3112.2	644.5	473.3	443.5	417.0	403.2	402.1	411.3	426.2	427.4
50°	4578.1	3393.7	607.7	461.8	433.1	402.1	388.3	389.5	399.8	415.9	419.3
52.5°	5099.7	3777.4	610.0	457.2	427.4	392.9	379.1	376.8	387.2	403.2	406.7
55°	5638.5	4243.8	654.8	458.4	419.3	388.3	369.9	361.9	371.1	382.6	383.7
57.5°	6231.3	4770.0	766.3	456.1	409.0	383.7	361.9	343.5	349.2	356.1	359.6
60°	6899.9	5389.2	1006.4	460.7	404.4	373.4	345.8	321.7	320.5	325.1	326.3
62.5°	7793.7	6231.3	1276.4	468.7	414.7	360.7	321.7	296.4	291.8	294.1	295.3
65°	8477.2	6633.4	1191.3	461.8	436.6	351.5	298.7	272.3	263.1	260.8	260.8
67.5°	8199.2	6101.5	829.5	443.5	446.9	352.7	280.3	247.0	235.5	229.8	228.6
70°	6976.9	4956.1	576.7	425.1	435.4	350.4	260.8	226.3	211.4	203.3	202.2
72.5°	5512.1	3784.3	466.4	388.3	395.2	315.9	232.1	203.3	190.7	180.4	180.4
75°	3547.6	2309.2	389.5	345.8	322.8	245.9	201.0	181.5	168.9	158.5	158.5
77.5°	1193.6	857.0	302.1	293.0	241.3	185.0	168.9	156.2	145.9	136.7	135.6
80°	484.8	406.7	221.7	221.7	168.9	141.3	132.1	126.4	119.5	108.0	108.0
82.5°	281.5	247.0	155.1	134.4	112.6	97.7	91.9	86.2	86.2	78.1	78.1
85°	135.6	136.7	93.1	82.7	64.3	56.3	54.0	50.5	49.4	44.8	43.7
87.5°	73.5	74.7	47.1	36.8	25.3	21.8	18.4	17.2	16.1	14.9	14.9
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)