

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: P635558

Luminaire Tested: GWS-SA3E-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9474.6 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

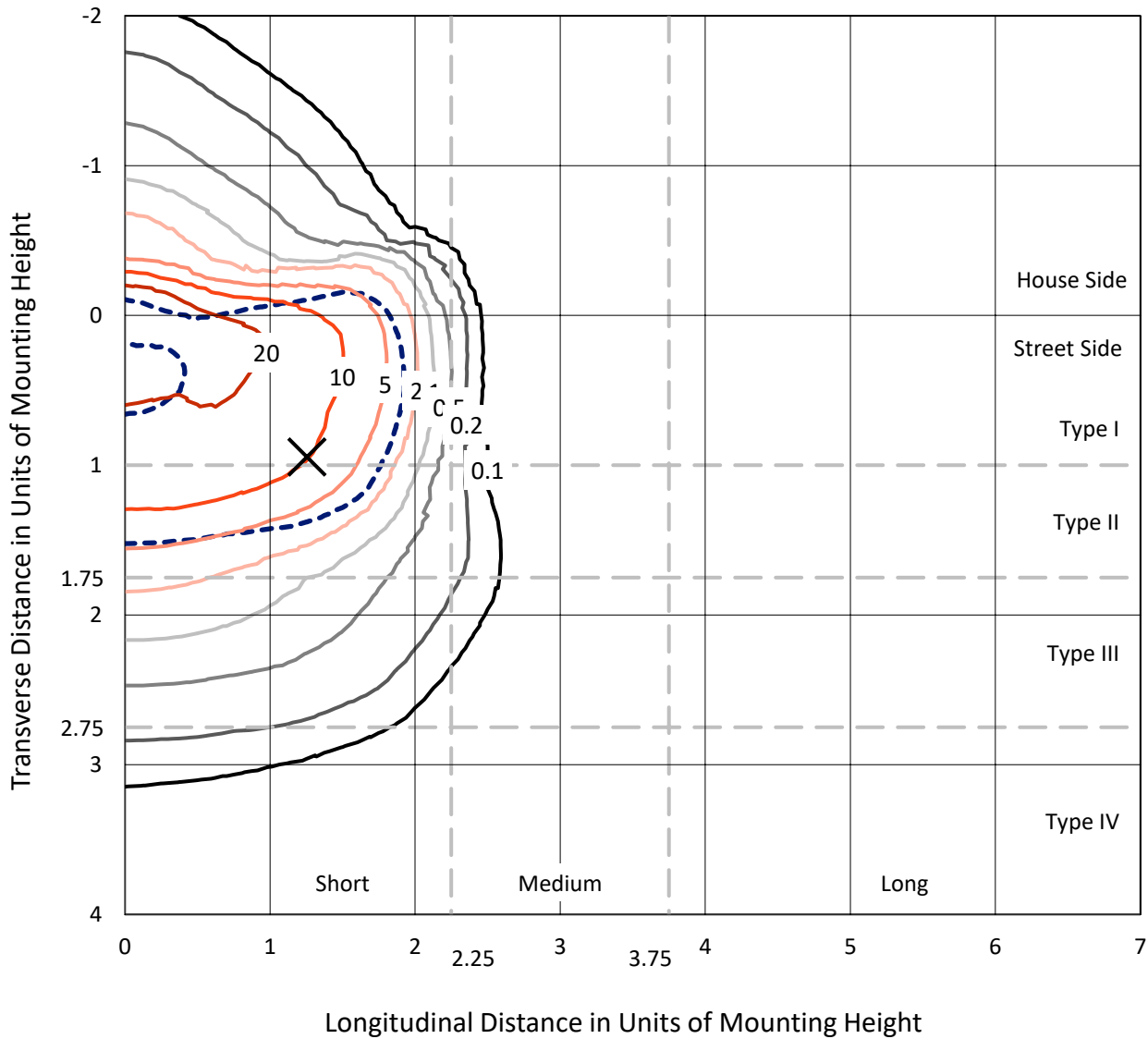
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

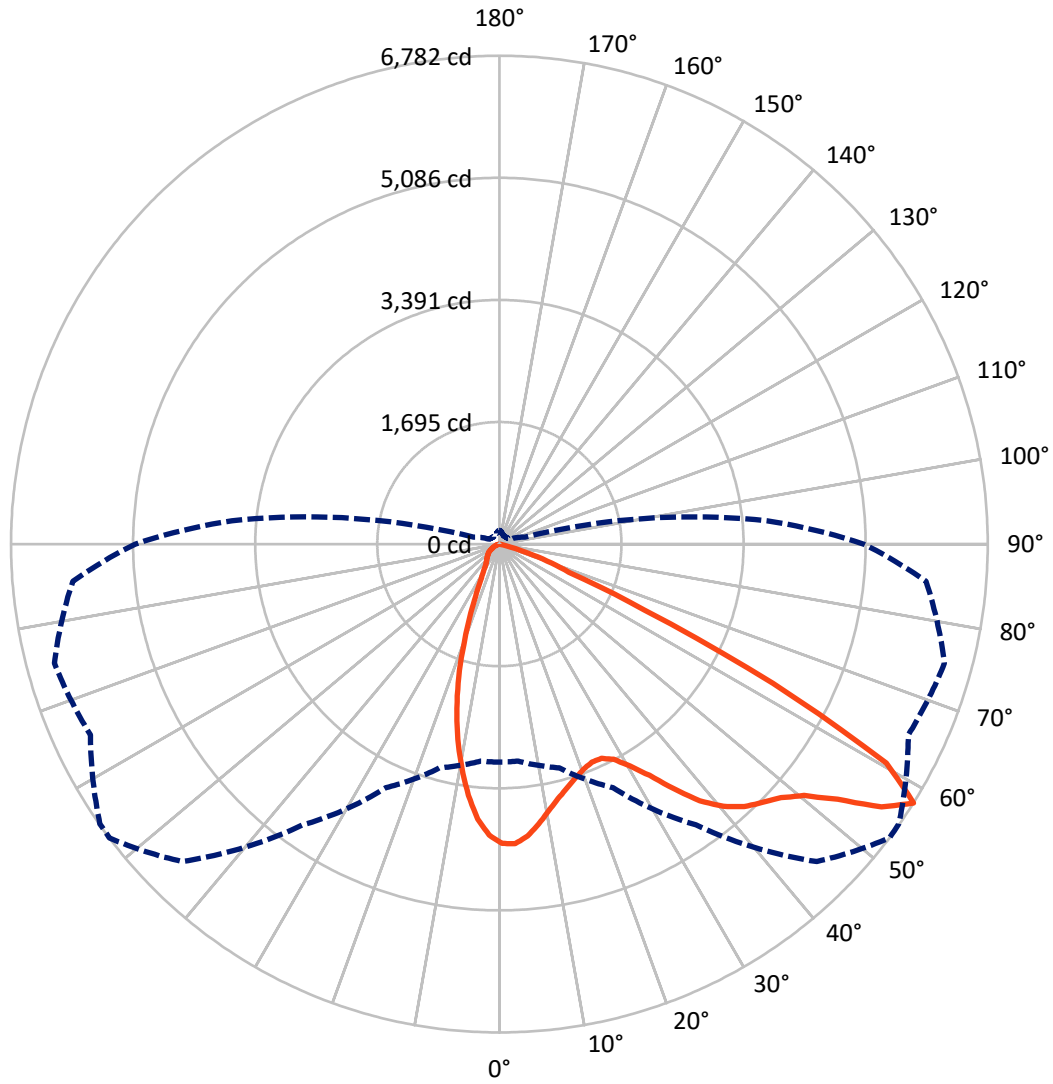
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 41.6 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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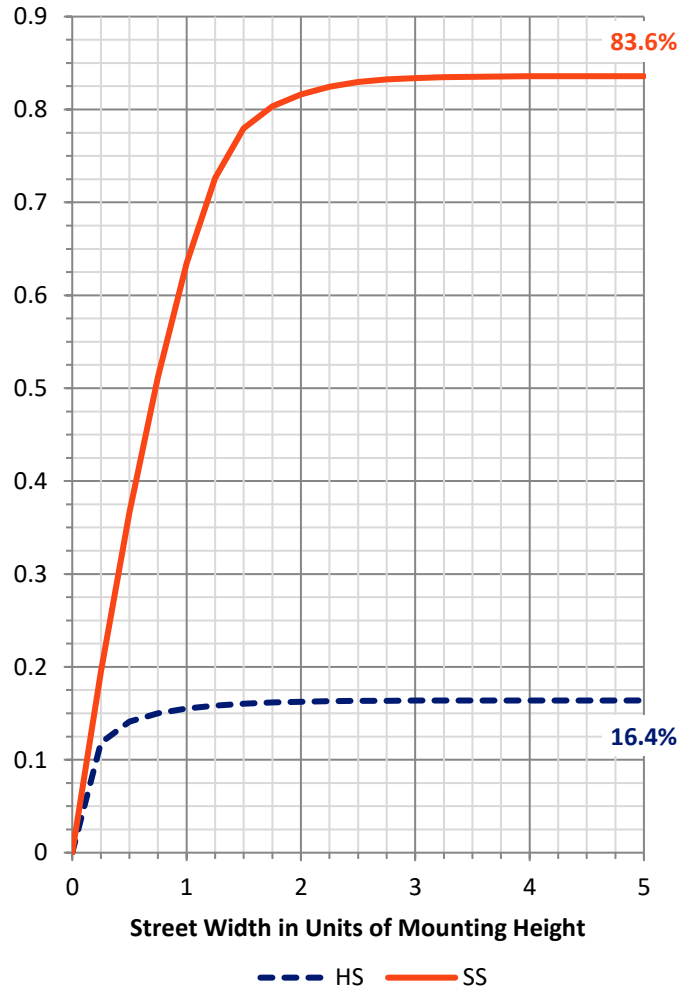
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1565.1	0.0	1565.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7909.5	0.0	7909.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	9474.6	0.0	9474.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.6	3.8
10°-20°	780.6	8.2
20°-30°	1017.0	10.7
30°-40°	1475.1	15.6
40°-50°	2128.5	22.5
50°-60°	2574.3	27.2
60°-70°	1049.2	11.1
70°-80°	94.3	1.0
80°-90°	0.0	0.0
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°	9474.6	100.0
0°-180°	9474.6	100.0

Coefficient of Utilization



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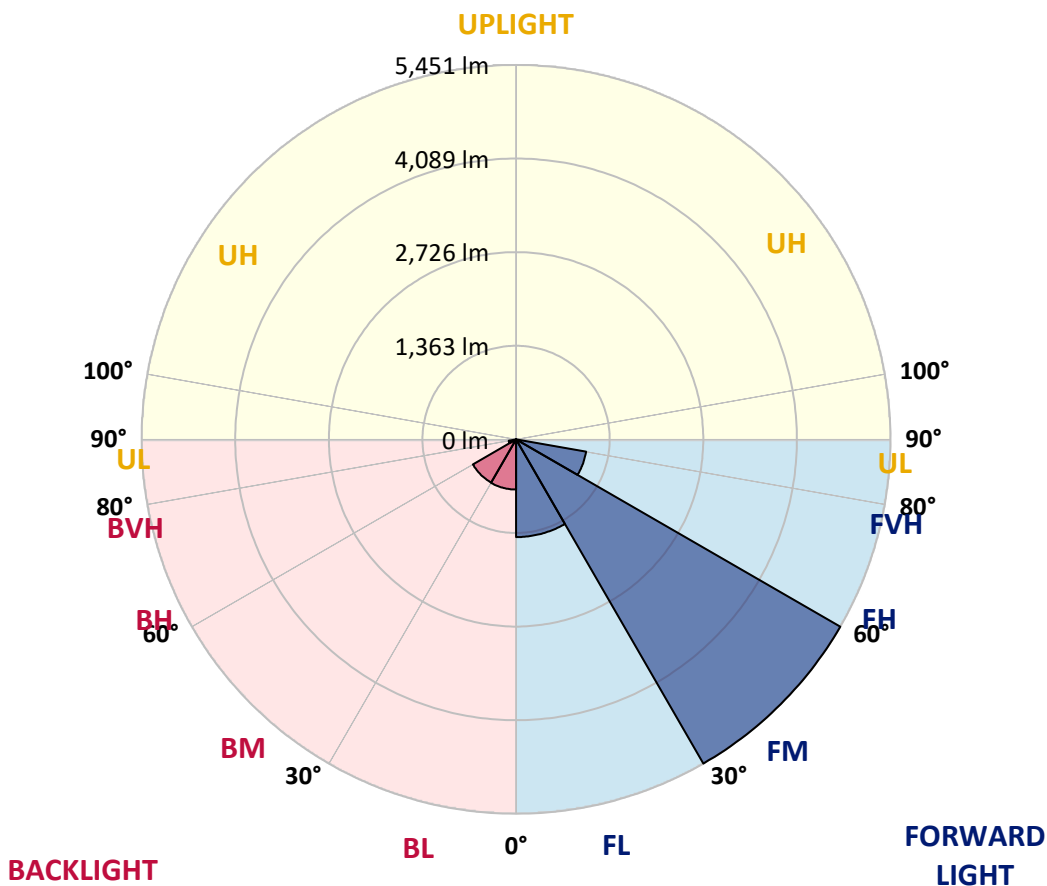
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1422.8	15.0			
FM (30°-60°)	5451.5	57.5			
FH (60°-80°)	1035.3	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	730.4	7.7	B2/1000		
BM (30°-60°)	726.4	7.7	B1/1000		
BH (60°-80°)	108.2	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1
2.5°	4098.0	4107.3	4123.6	4144.5	4158.4	4165.4	4165.4	4185.1	4172.4	4161.9	4150.3
5°	3922.7	3932.0	3954.0	3987.7	4021.4	4045.8	4073.7	4094.6	4102.7	4102.7	4082.9
7.5°	3675.3	3688.1	3702.1	3748.5	3821.7	3876.2	3923.9	3954.0	3998.2	4012.1	3984.2
10°	3409.4	3422.2	3453.5	3517.4	3601.0	3682.3	3763.6	3801.9	3877.4	3916.9	3885.5
12.5°	3184.1	3189.9	3231.7	3308.4	3415.2	3526.7	3625.4	3664.9	3771.7	3831.0	3793.8
15°	2998.3	3001.8	3043.6	3128.4	3251.5	3388.5	3512.8	3553.4	3684.6	3774.0	3718.3
17.5°	2857.8	2859.0	2895.0	2986.7	3115.6	3267.7	3415.2	3465.2	3634.7	3742.7	3659.1
20°	2787.0	2783.5	2809.1	2889.2	3011.1	3163.2	3337.4	3399.0	3606.8	3738.1	3613.8
22.5°	2788.2	2780.0	2790.5	2847.4	2950.7	3093.6	3288.6	3358.3	3609.2	3757.8	3575.5
25°	2854.3	2842.7	2845.1	2875.2	2948.4	3078.5	3295.6	3369.9	3655.6	3824.0	3561.5
27.5°	2965.8	2953.0	2953.0	2968.1	3007.6	3126.1	3382.7	3467.5	3779.9	3952.9	3590.6
30°	3109.8	3097.0	3092.4	3107.5	3140.0	3249.2	3576.6	3664.9	3992.4	4164.2	3683.5
32.5°	3274.7	3259.6	3267.7	3288.6	3320.0	3471.0	3826.3	3943.6	4258.3	4448.7	3850.7
35°	3448.9	3436.1	3473.3	3518.6	3567.3	3778.7	4171.2	4273.4	4584.6	4802.9	4106.2
37.5°	3615.0	3609.2	3687.0	3782.2	3883.2	4148.0	4521.9	4600.9	4864.5	5188.4	4418.5
40°	3781.0	3779.9	3913.4	4080.6	4242.0	4516.1	4787.8	4852.8	5035.2	5488.0	4718.1
42.5°	3966.8	3966.8	4151.5	4374.4	4589.2	4827.3	4982.9	5011.9	5111.8	5661.1	4943.4
45°	4144.5	4154.9	4368.6	4627.6	4881.9	5070.0	5117.6	5119.9	5143.2	5763.3	5130.4
47.5°	4285.0	4294.3	4549.8	4848.2	5122.3	5254.6	5261.6	5251.2	5225.6	5860.8	5274.4
50°	4398.8	4412.7	4679.8	4995.7	5287.2	5432.3	5485.7	5475.3	5410.2	5965.3	5375.4
52.5°	4454.5	4474.3	4725.1	5068.8	5470.6	5736.6	5885.2	5909.6	5686.6	6023.4	5471.8
55°	4008.6	4037.7	4268.7	4739.0	5572.8	6206.9	6440.3	6435.6	5986.2	6196.4	5706.4
57.5°	3027.4	3025.0	3216.7	3731.1	4759.9	6233.6	6781.7	6772.4	6266.1	6397.3	5946.7
60°	2061.2	2047.3	2098.4	2346.9	3328.1	5078.1	6172.0	6297.4	6067.5	5909.6	5049.1
62.5°	1696.6	1683.8	1667.5	1599.0	1911.4	3163.2	4264.1	4454.5	4424.3	4107.3	3166.7
65°	1388.9	1399.3	1444.6	1415.6	1329.6	1622.3	2213.3	2326.0	2126.2	1789.5	1106.7
67.5°	1024.2	1028.9	1088.1	1241.4	1194.9	1080.0	1041.6	1060.2	621.3	285.7	184.6
70°	605.0	608.5	663.1	868.6	969.6	829.1	703.7	693.3	246.2	76.6	83.6
72.5°	342.6	335.6	346.1	413.4	528.4	440.1	362.3	329.8	74.3	43.0	43.0
75°	162.6	157.9	135.9	127.7	116.1	74.3	46.4	39.5	18.6	17.4	17.4
77.5°	1.2	3.5	2.3	3.5	3.5	2.3	1.2	1.2	3.5	3.5	4.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1	4156.1
2.5°	4129.4	4094.6	4086.4	4084.1	4051.6	4016.8	3980.8	3966.8	3945.9	3933.1	3943.6
5°	4051.6	4001.7	3957.5	3916.9	3844.9	3765.9	3697.4	3653.3	3611.5	3583.6	3590.6
7.5°	3941.3	3876.2	3775.2	3671.9	3539.5	3421.0	3288.6	3207.4	3131.9	3090.1	3109.8
10°	3824.0	3738.1	3576.6	3401.3	3193.4	3007.6	2818.3	2663.9	2574.5	2489.7	2499.0
12.5°	3709.0	3595.2	3353.7	3087.8	2825.3	2551.3	2265.6	2051.9	1905.6	1799.9	1783.7
15°	3602.2	3455.9	3136.5	2785.8	2428.2	2063.5	1698.9	1393.5	1224.0	1119.4	1112.5
17.5°	3507.0	3325.8	2911.2	2470.0	2021.7	1554.9	1135.7	906.9	809.4	764.1	759.5
20°	3415.2	3194.6	2681.3	2149.5	1578.1	1091.6	783.8	678.2	646.8	628.2	630.6
22.5°	3327.0	3051.8	2439.8	1794.1	1183.3	766.4	607.3	566.7	563.2	565.5	566.7
25°	3252.7	2920.5	2191.3	1451.6	844.2	584.1	507.5	495.9	506.3	521.4	523.7
27.5°	3214.3	2813.7	1948.6	1106.7	610.8	474.9	440.1	444.8	463.3	479.6	481.9
30°	3224.8	2733.6	1697.7	802.4	470.3	400.6	389.0	398.3	416.9	432.0	434.3
32.5°	3299.1	2692.9	1441.1	584.1	386.7	349.5	344.9	351.9	368.1	379.7	380.9
35°	3446.6	2702.2	1197.2	447.1	332.1	311.2	310.1	314.7	322.8	331.0	332.1
37.5°	3663.7	2777.7	956.9	371.6	300.8	285.7	281.0	281.0	286.8	290.3	292.6
40°	3897.1	2891.5	766.4	328.6	278.7	262.4	253.2	249.7	254.3	259.0	260.1
42.5°	4089.9	3005.3	622.4	298.4	261.3	239.2	227.6	225.3	231.1	239.2	241.5
45°	4237.4	3093.6	519.1	274.1	241.5	217.2	204.4	204.4	214.8	228.8	231.1
47.5°	4372.1	3164.4	442.4	252.0	223.0	197.4	184.6	187.0	204.4	223.0	226.4
50°	4463.8	3221.3	385.5	232.2	207.9	181.2	169.5	174.2	195.1	217.2	220.6
52.5°	4562.5	3291.0	348.4	214.8	193.9	168.4	157.9	161.4	184.6	209.0	213.7
55°	4835.4	3524.4	347.2	191.6	169.5	151.0	146.3	147.5	170.7	198.6	204.4
57.5°	5058.4	3729.9	370.4	161.4	141.7	132.4	130.1	131.2	152.1	183.5	190.4
60°	4185.1	2898.5	306.6	133.5	118.4	116.1	112.6	115.0	134.7	162.6	168.4
62.5°	2476.9	1657.1	146.3	102.2	101.0	98.7	95.2	99.9	118.4	142.8	146.3
65°	846.5	491.2	92.9	83.6	85.9	82.4	79.0	83.6	99.9	113.8	115.0
67.5°	162.6	130.1	74.3	69.7	70.8	63.9	62.7	67.4	76.6	79.0	77.8
70°	84.8	75.5	56.9	56.9	54.6	45.3	45.3	49.9	49.9	46.4	45.3
72.5°	44.1	41.8	37.2	41.8	34.8	27.9	27.9	30.2	27.9	23.2	23.2
75°	17.4	17.4	16.3	20.9	15.1	12.8	11.6	13.9	10.5	8.1	8.1
77.5°	4.6	4.6	4.6	5.8	3.5	3.5	2.3	2.3	1.2	0.0	0.0
80°	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)