

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: P635175

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12979.1 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

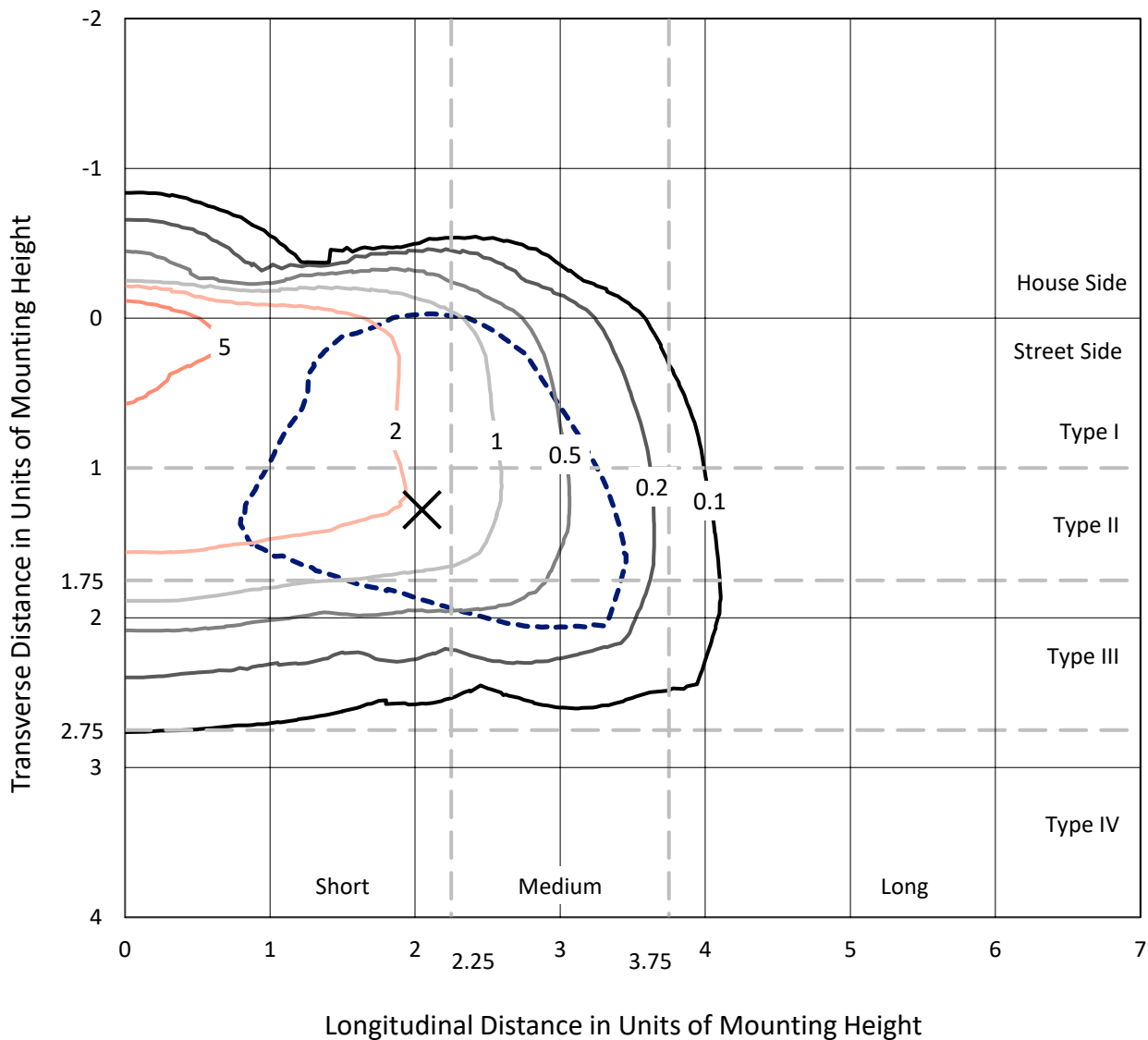
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

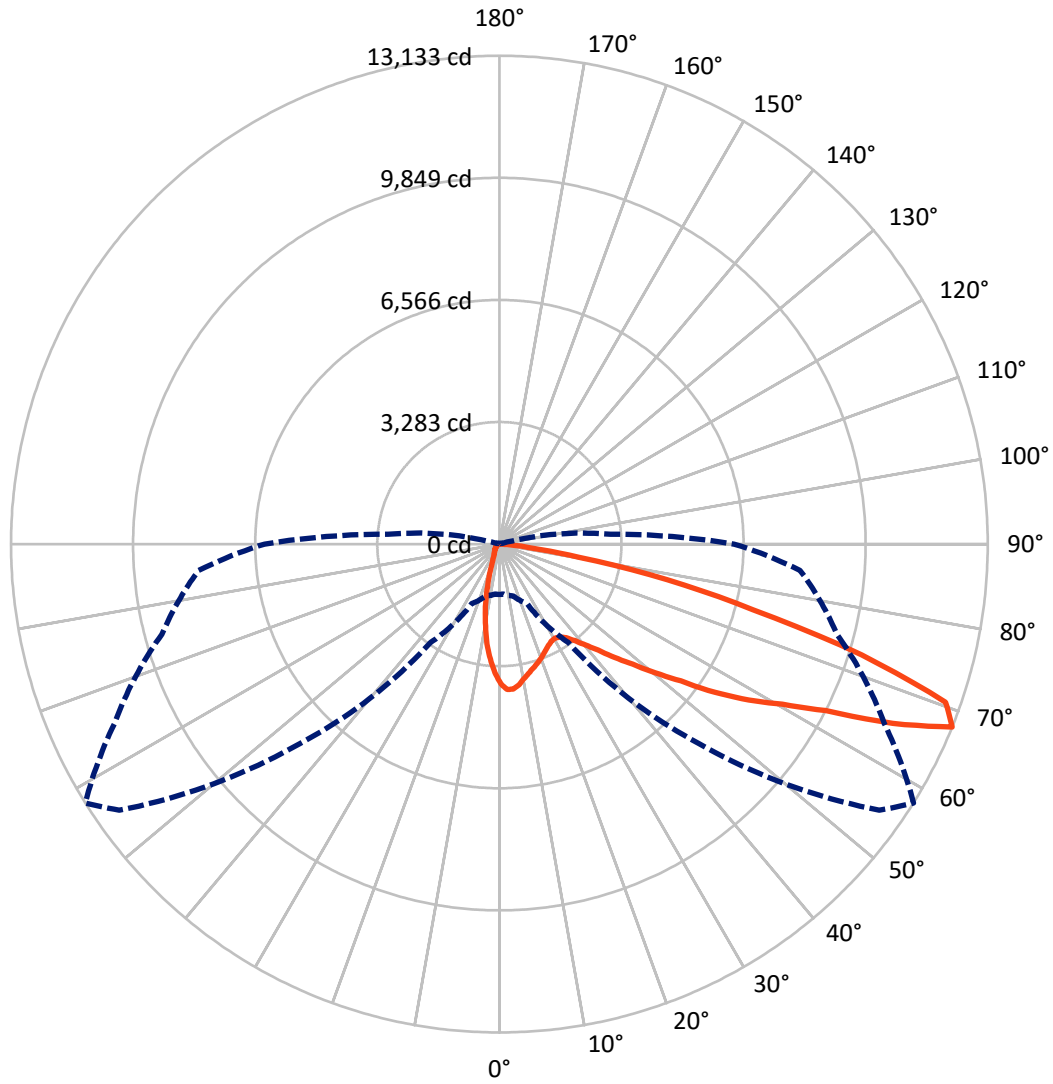
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.4 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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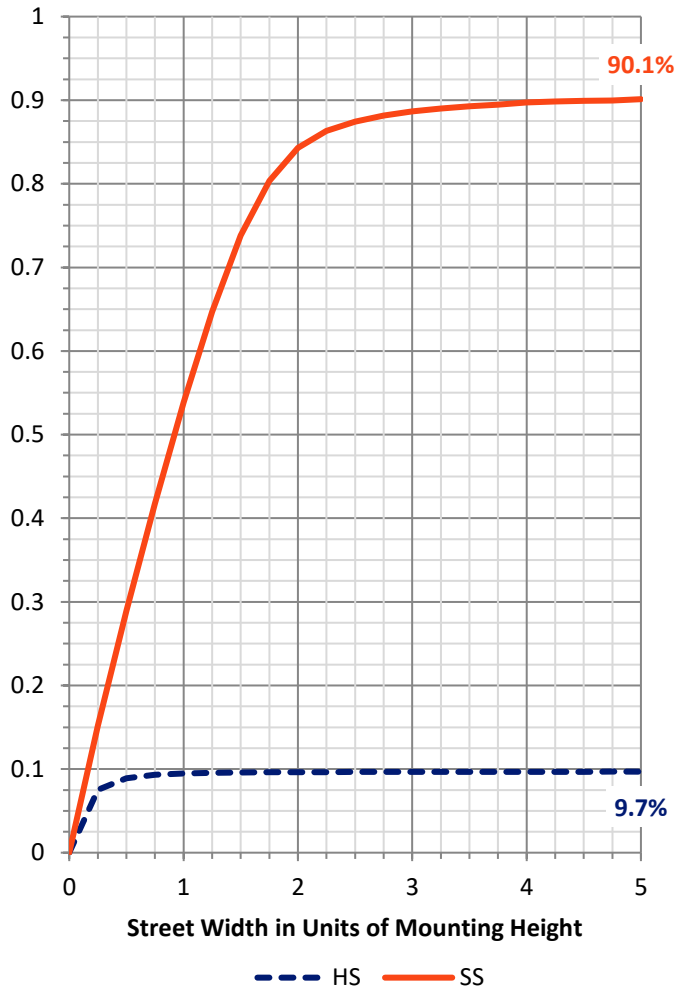
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1268.0	0.0	1268.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	11711.1	0.0	11711.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	12979.1	0.0	12979.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.2	2.3
10°-20°	633.3	4.9
20°-30°	854.0	6.6
30°-40°	1200.1	9.2
40°-50°	1853.4	14.3
50°-60°	2963.8	22.8
60°-70°	3509.4	27.0
70°-80°	1552.4	12.0
80°-90°	108.5	0.8
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°	12979.1	100.0
0°-180°	12979.1	100.0

Coefficient of Utilization



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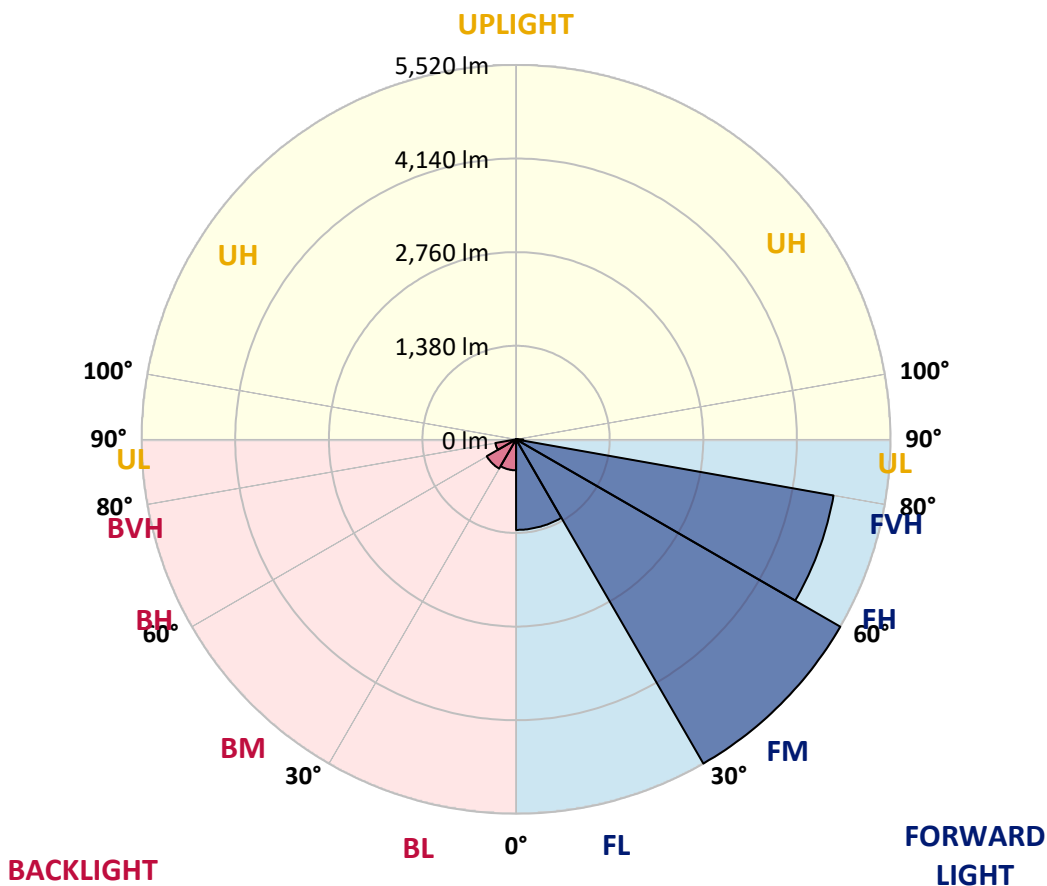
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1335.2	10.3			
FM (30°-60°)	5519.7	42.5			
FH (60°-80°)	4752.3	36.6			G2/5000
FVH (80°-90°)	103.9	0.8			G2/225
BL (0°-30°)	456.3	3.5	B1/500		
BM (30°-60°)	497.5	3.8	B1/1000		
BH (60°-80°)	309.5	2.4	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8
2.5°	3937.9	3944.8	3954.0	3965.5	3963.2	3952.9	3940.2	3911.5	3893.1	3835.7	3765.6
5°	3811.6	3810.4	3833.4	3855.2	3894.3	3914.9	3943.7	3917.2	3908.1	3839.1	3725.4
7.5°	3564.6	3577.2	3603.6	3638.1	3694.4	3755.3	3824.2	3816.2	3843.7	3797.8	3656.5
10°	3322.2	3315.3	3356.7	3408.3	3494.5	3572.6	3672.6	3671.4	3743.8	3739.2	3578.4
12.5°	3109.7	3108.5	3140.7	3199.3	3300.4	3409.5	3545.0	3548.5	3638.1	3674.9	3511.7
15°	2930.5	2932.8	2963.8	3024.7	3129.2	3262.5	3419.8	3448.6	3549.6	3624.3	3446.3
17.5°	2803.0	2804.1	2822.5	2875.3	2977.6	3120.0	3309.6	3348.6	3478.4	3586.4	3393.4
20°	2744.4	2739.8	2743.2	2769.6	2848.9	2978.7	3197.0	3247.5	3412.9	3560.0	3345.2
22.5°	2752.4	2745.5	2729.4	2726.0	2761.6	2860.4	3077.5	3139.5	3341.7	3543.9	3301.5
25°	2823.6	2808.7	2785.7	2751.3	2737.5	2786.9	2973.0	3037.3	3275.1	3545.0	3268.2
27.5°	2932.8	2916.7	2888.0	2842.0	2788.0	2767.3	2901.7	2962.6	3228.0	3571.5	3252.1
30°	3071.8	3059.1	3031.6	2976.4	2904.0	2819.0	2886.8	2937.4	3205.0	3625.5	3259.0
32.5°	3236.0	3226.8	3203.9	3153.3	3070.6	2940.8	2937.4	2976.4	3223.4	3703.6	3285.4
35°	3394.6	3398.0	3399.2	3371.6	3283.1	3125.8	3076.4	3090.1	3299.2	3820.7	3345.2
37.5°	3565.7	3557.7	3599.0	3618.6	3533.6	3365.8	3291.2	3292.3	3444.0	3994.2	3457.7
40°	3695.5	3697.8	3787.4	3867.8	3832.2	3670.3	3563.4	3562.3	3666.8	4232.0	3639.2
42.5°	3817.3	3832.2	3964.3	4102.2	4151.6	4008.0	3931.0	3902.3	3979.3	4553.7	3911.5
45°	3947.1	3968.9	4153.9	4350.3	4480.1	4395.1	4334.2	4345.7	4354.9	4928.1	4278.0
47.5°	4098.7	4112.5	4341.1	4618.0	4860.4	4838.5	4842.0	4828.2	4823.6	5400.3	4762.7
50°	4282.5	4314.7	4577.8	4908.6	5239.5	5384.2	5432.4	5438.2	5363.5	5914.9	5264.7
52.5°	4673.1	4712.2	4937.3	5226.8	5653.0	5957.4	6153.9	6114.8	5999.9	6413.5	5815.0
55°	5133.8	5163.6	5380.8	5680.6	6158.5	6585.8	7052.2	7036.1	6754.7	6938.5	6267.6
57.5°	5177.4	5210.7	5547.3	6006.8	6807.5	7362.3	7852.9	7904.6	7492.2	7310.7	6671.9
60°	4686.9	4754.7	5214.2	5832.2	7055.6	8406.6	8730.5	8740.9	8033.2	7688.6	7165.9
62.5°	3756.4	3788.6	4251.5	5058.0	6673.1	9015.4	10071.1	9852.8	8728.2	8273.3	7948.2
65°	1969.0	2099.9	2503.1	3395.7	5411.8	8802.9	11684.0	11624.2	9978.1	9110.7	8557.1
67.5°	1350.9	1349.8	1445.1	1770.2	3226.8	7579.5	12475.4	13132.5	11423.2	9397.9	8115.9
70°	1028.1	1031.6	1116.6	1328.0	1671.4	5045.3	11607.0	12730.5	11692.0	8532.9	6564.0
72.5°	682.4	689.3	830.5	1072.9	1334.8	2473.3	9020.0	10186.0	9837.9	6853.5	4620.3
75°	407.8	413.6	514.6	780.0	1186.7	1384.2	5731.1	7041.8	6771.9	4723.7	2476.7
77.5°	167.7	172.3	264.2	485.9	868.5	1075.2	3169.4	4607.6	4056.2	1878.2	676.6
80°	70.1	72.4	127.5	340.0	626.1	674.3	1468.1	2165.4	1662.2	404.4	206.8
82.5°	25.3	26.4	47.1	187.2	389.4	507.7	740.9	855.8	468.7	132.1	111.4
85°	1.1	1.1	11.5	63.2	148.2	143.6	423.9	410.1	155.1	55.1	66.6
87.5°	0.0	0.0	1.1	1.1	2.3	5.7	40.2	71.2	33.3	13.8	28.7
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°	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8	3743.8
2.5°	3719.7	3658.8	3592.1	3530.1	3431.3	3372.7	3300.4	3268.2	3222.2	3210.8	3217.7
5°	3643.8	3539.3	3379.6	3234.9	3047.6	2897.2	2745.5	2681.2	2598.5	2543.3	2520.4
7.5°	3537.0	3400.3	3151.0	2888.0	2630.6	2356.1	2147.0	2009.2	1884.0	1815.0	1801.2
10°	3429.0	3251.0	2893.7	2516.9	2118.3	1789.8	1507.2	1298.1	1128.1	1051.1	991.4
12.5°	3317.6	3095.9	2631.8	2140.1	1677.2	1229.2	879.9	676.6	554.8	506.6	514.6
15°	3215.4	2946.5	2372.2	1763.3	1180.9	742.1	485.9	410.1	381.4	372.2	371.0
17.5°	3117.7	2805.3	2113.7	1396.9	778.9	454.9	372.2	353.8	345.8	341.2	341.2
20°	3029.3	2669.7	1861.0	1052.3	503.2	360.7	336.6	327.4	320.5	317.1	317.1
22.5°	2946.5	2538.7	1614.0	744.4	371.0	323.9	309.0	299.8	291.8	287.2	287.2
25°	2871.9	2420.4	1378.5	512.3	319.4	296.4	280.3	270.0	256.2	248.1	248.1
27.5°	2817.9	2314.7	1152.2	373.3	288.3	266.5	248.1	234.3	219.4	210.2	207.9
30°	2785.7	2225.1	923.6	306.7	259.6	237.8	217.1	199.9	182.7	173.5	172.3
32.5°	2767.3	2142.4	714.5	267.7	235.5	210.2	187.2	168.9	151.6	141.3	140.1
35°	2774.2	2078.1	535.3	241.2	212.5	186.1	160.8	142.4	127.5	118.3	116.0
37.5°	2834.0	2049.4	402.1	220.6	193.0	165.4	139.0	121.8	108.0	101.1	99.9
40°	2950.0	2055.1	315.9	204.5	176.9	144.7	119.5	103.4	93.0	87.3	86.2
42.5°	3130.3	2103.4	260.8	190.7	159.7	126.4	103.4	90.8	80.4	74.7	73.5
45°	3399.2	2203.3	227.5	174.6	141.3	109.1	89.6	78.1	68.9	62.0	60.9
47.5°	3788.6	2376.8	205.6	159.7	125.2	94.2	77.0	65.5	57.4	51.7	50.5
50°	4203.3	2584.7	187.2	144.7	111.4	81.6	65.5	54.0	47.1	41.4	40.2
52.5°	4645.6	2808.7	173.5	131.0	98.8	70.1	55.1	44.8	37.9	32.2	31.0
55°	5070.6	3033.9	157.4	121.8	83.9	59.7	46.0	36.8	29.9	25.3	25.3
57.5°	5484.1	3240.6	140.1	106.8	68.9	50.5	37.9	29.9	24.1	20.7	19.5
60°	5978.1	3526.7	120.6	90.8	57.4	42.5	31.0	24.1	19.5	16.1	16.1
62.5°	6712.2	3824.2	103.4	75.8	48.2	35.6	25.3	19.5	16.1	13.8	12.6
65°	6952.2	3663.4	87.3	62.0	39.1	28.7	20.7	17.2	13.8	12.6	11.5
67.5°	6311.2	3002.8	72.4	50.5	32.2	24.1	18.4	14.9	12.6	11.5	10.3
70°	4924.7	2130.9	56.3	37.9	26.4	19.5	16.1	13.8	11.5	10.3	10.3
72.5°	3349.8	1260.2	44.8	28.7	21.8	17.2	13.8	12.6	11.5	10.3	9.2
75°	1649.6	448.0	34.5	21.8	17.2	14.9	12.6	11.5	10.3	9.2	9.2
77.5°	444.6	124.1	26.4	17.2	13.8	11.5	11.5	11.5	10.3	8.0	8.0
80°	150.5	51.7	19.5	12.6	11.5	9.2	8.0	10.3	9.2	8.0	6.9
82.5°	82.7	25.3	13.8	10.3	8.0	6.9	6.9	6.9	6.9	5.7	5.7
85°	52.8	13.8	9.2	8.0	8.0	5.7	4.6	4.6	3.4	3.4	3.4
87.5°	24.1	8.0	8.0	6.9	6.9	5.7	3.4	2.3	1.1	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)