

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: P635752

Luminaire Tested: GWS-SA3E-735-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16979.5 lumens
Efficiency: N/A
Efficacy: 106.7 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

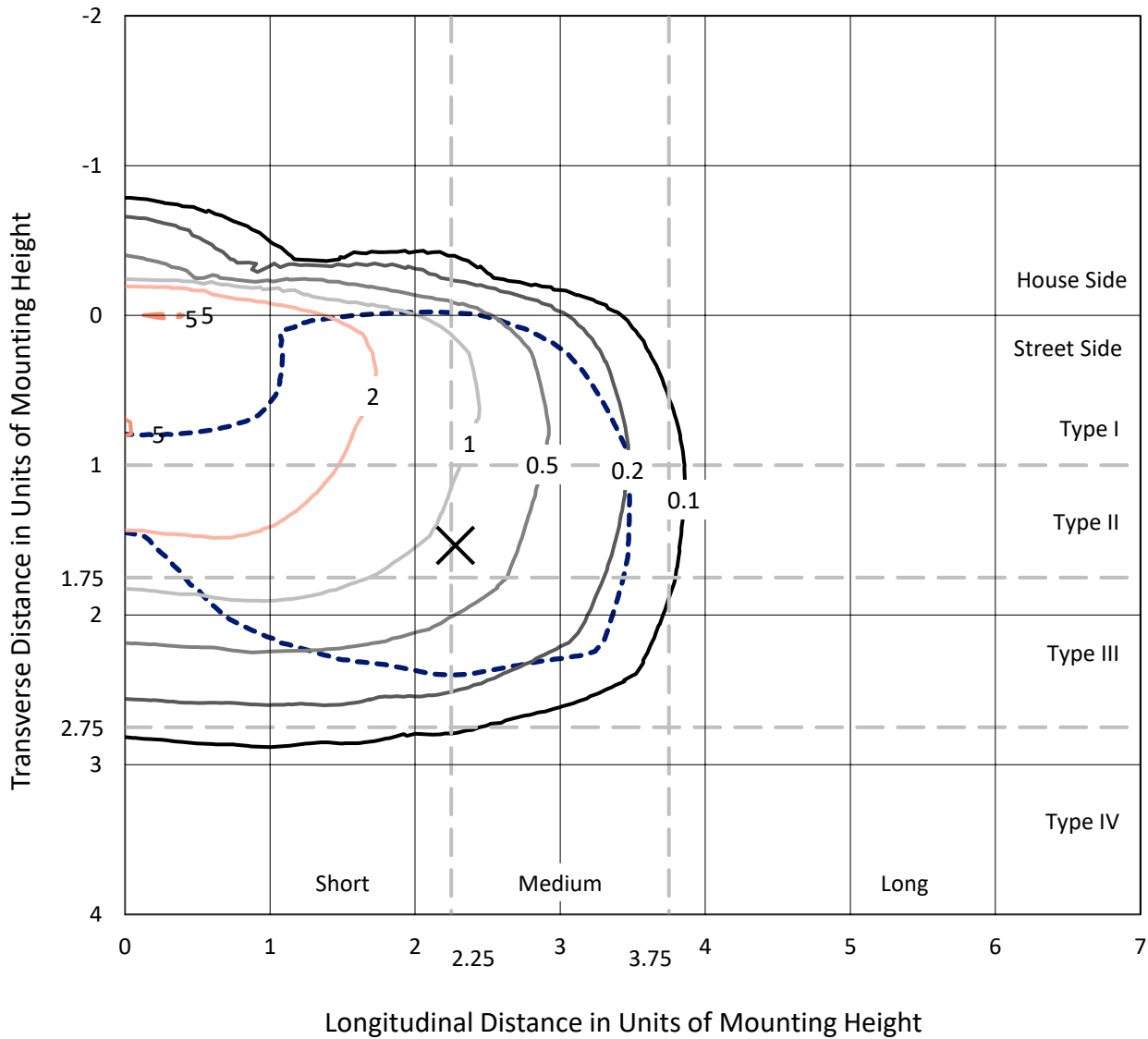
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

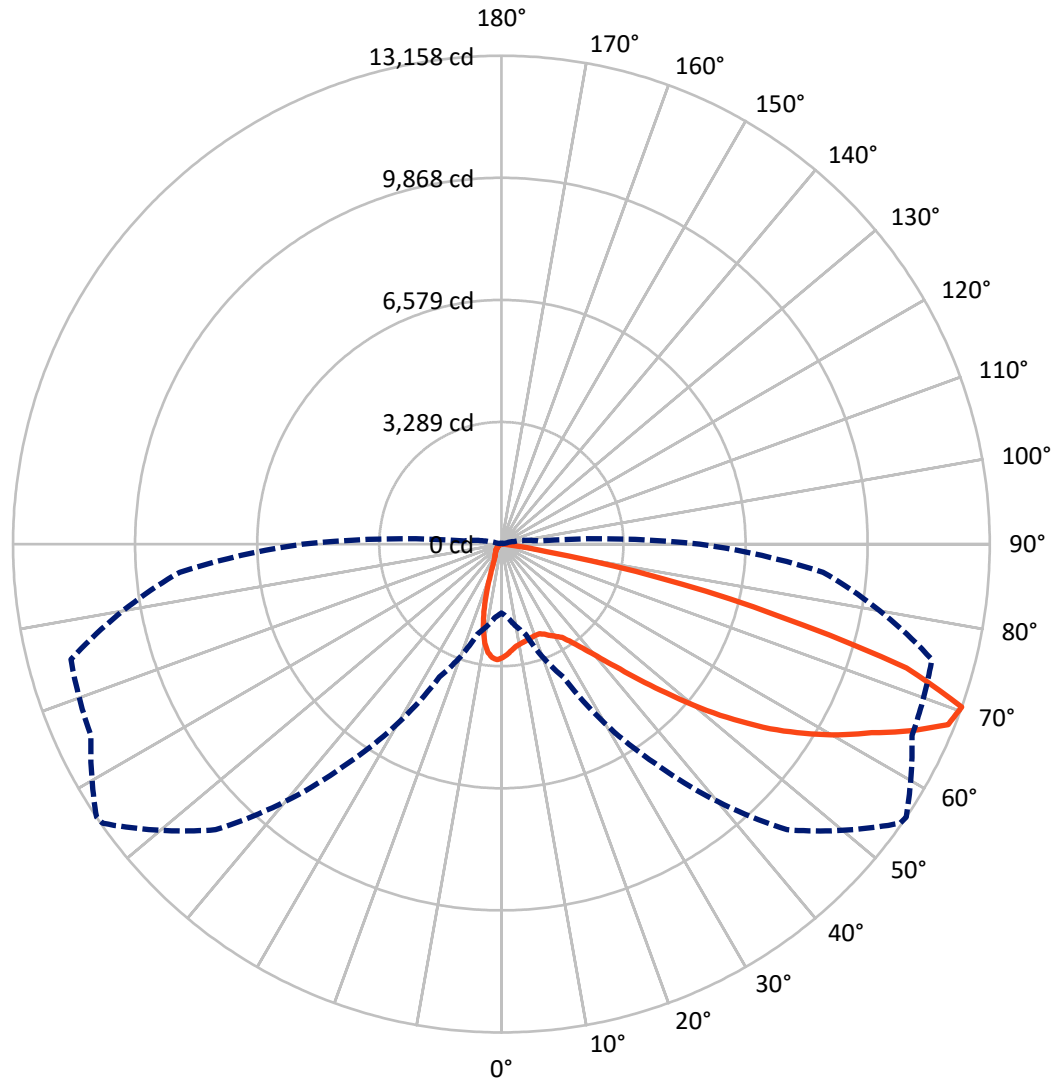
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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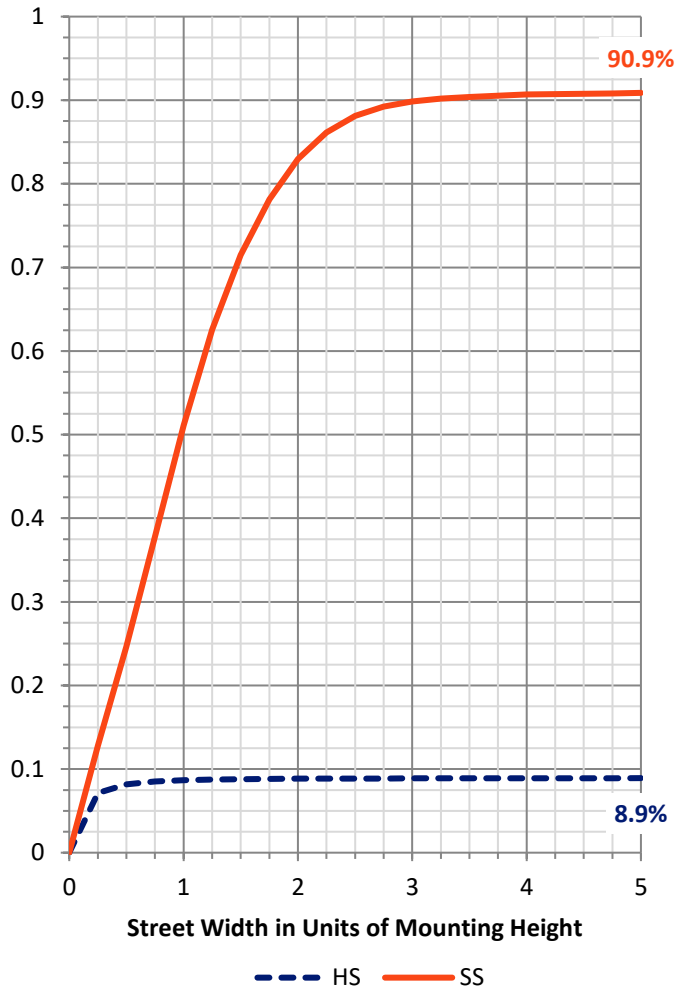
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1525.1	0.0	1525.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	15454.4	0.0	15454.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	16979.5	0.0	16979.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.9	1.5
10°-20°	591.2	3.5
20°-30°	936.5	5.5
30°-40°	1614.9	9.5
40°-50°	2727.1	16.1
50°-60°	4007.0	23.6
60°-70°	4750.5	28.0
70°-80°	2025.8	11.9
80°-90°	63.6	0.4
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°	16979.5	100.0
0°-180°	16979.5	100.0

Coefficient of Utilization



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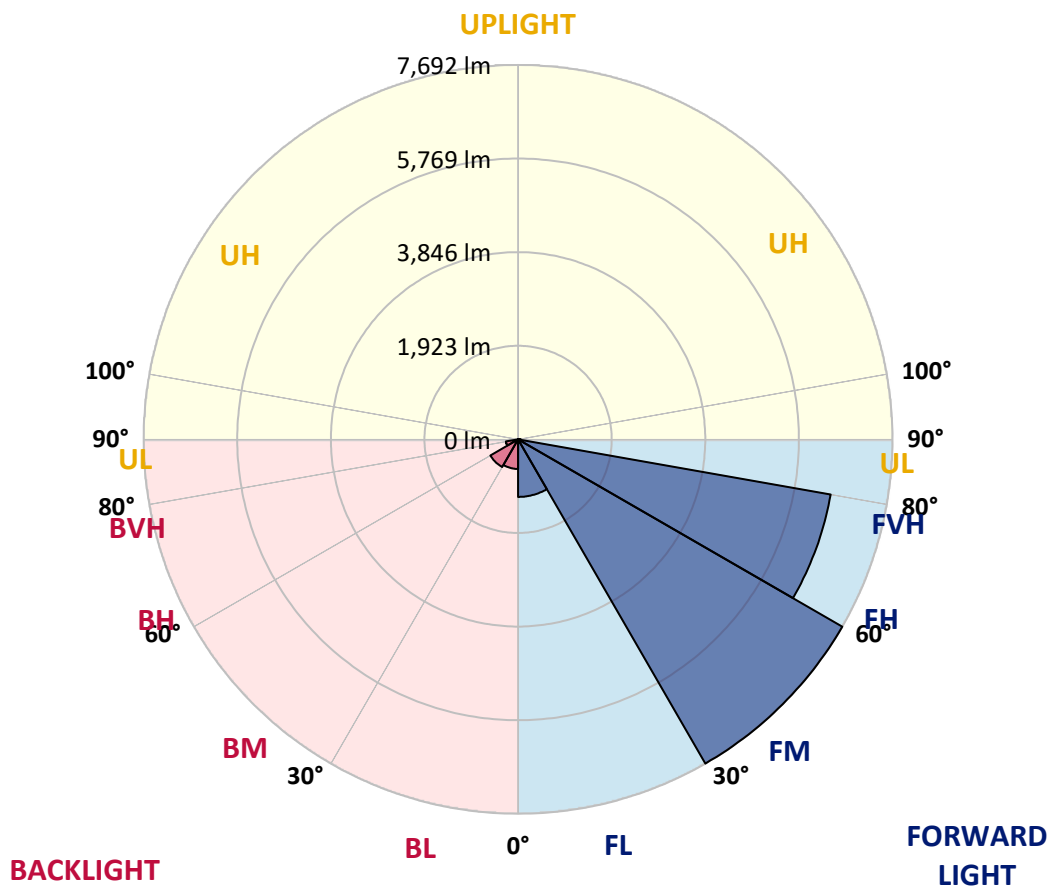
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1183.2	7.0			
FM (30°-60°)	7692.2	45.3			
FH (60°-80°)	6521.9	38.4			G3/7500
FVH (80°-90°)	57.1	0.3			G1/100
BL (0°-30°)	607.4	3.6	B2/1000		
BM (30°-60°)	656.9	3.9	B1/1000		
BH (60°-80°)	254.4	1.5	B1/500		G1/500
BVH (80°-90°)	6.5	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6
2.5°	2850.1	2845.4	2848.6	2871.9	2915.4	2935.6	2969.8	2976.1	3004.0	3039.8	3053.8
5°	2665.1	2649.5	2657.3	2690.0	2739.7	2795.7	2859.4	2876.5	2946.5	3025.8	3084.9
7.5°	2495.6	2478.5	2497.2	2548.5	2618.4	2679.1	2773.9	2784.8	2896.8	3036.7	3144.0
10°	2229.7	2234.4	2271.7	2361.9	2469.2	2595.1	2722.6	2738.2	2876.5	3072.5	3238.8
12.5°	2026.0	2015.1	2055.6	2158.2	2309.0	2492.5	2683.7	2704.0	2878.1	3126.9	3360.1
15°	1931.2	1928.1	1945.2	2019.8	2166.0	2382.1	2648.0	2674.4	2898.3	3176.6	3475.2
17.5°	1934.3	1929.6	1928.1	1971.6	2080.4	2299.7	2609.1	2643.3	2915.4	3231.1	3596.5
20°	2069.6	2047.8	2008.9	1988.7	2054.0	2246.8	2582.7	2621.5	2940.3	3288.6	3725.5
22.5°	2352.5	2360.3	2256.1	2147.3	2116.2	2253.0	2579.6	2624.7	2994.7	3378.8	3884.1
25°	2918.5	2906.1	2713.3	2469.2	2299.7	2324.6	2634.0	2688.4	3102.0	3507.8	4033.4
27.5°	3627.6	3638.4	3374.1	2985.4	2630.9	2472.3	2733.5	2787.9	3226.4	3588.7	4132.9
30°	4400.3	4389.4	4106.5	3675.8	3100.4	2717.9	2833.0	2881.2	3288.6	3632.2	4235.5
32.5°	5131.1	5106.3	4826.4	4375.5	3699.1	3105.1	2969.8	2997.8	3371.0	3727.1	4373.9
35°	5754.6	5753.1	5509.0	5028.5	4314.8	3590.2	3204.6	3227.9	3524.9	3877.9	4577.6
37.5°	6398.4	6376.6	6102.9	5664.5	4947.7	4122.0	3563.8	3554.5	3767.5	4100.2	4827.9
40°	6927.0	6913.0	6703.1	6281.7	5605.4	4709.8	3999.2	3971.2	4055.1	4408.1	5176.2
42.5°	7318.9	7320.4	7255.1	6998.6	6302.0	5389.2	4546.5	4503.0	4501.4	4873.0	5636.5
45°	7615.8	7636.1	7734.0	7695.1	7124.5	6180.7	5247.7	5202.7	5126.5	5476.3	6163.6
47.5°	7754.2	7780.7	8076.1	8231.6	7844.4	6965.9	6082.7	5987.9	5838.6	6278.6	6752.9
50°	7740.2	7786.9	8198.9	8671.6	8497.5	7762.0	6992.3	6947.2	6703.1	7127.6	7336.0
52.5°	7423.0	7522.5	8206.7	8939.1	8999.7	8495.9	7933.0	7849.1	7730.9	8013.9	7883.3
55°	6561.6	6682.9	7878.6	9024.6	9391.5	9136.5	8853.5	8785.1	8589.2	8850.4	8360.6
57.5°	6093.6	6197.8	7188.2	8982.6	9724.3	9728.9	9673.0	9617.0	9455.3	9677.6	8920.4
60°	5812.2	5916.3	6819.7	8828.7	10025.9	10354.0	10442.6	10436.4	10203.2	10618.3	9576.6
62.5°	5400.1	5543.2	6435.7	8429.0	10240.5	10969.7	11237.2	11195.2	10935.5	11597.9	10226.5
65°	4568.3	4692.7	5648.9	7769.8	10114.5	11479.7	12098.6	12120.4	11820.3	12520.0	10739.6
67.5°	3203.1	3294.8	4244.8	6385.9	9259.4	11647.7	12980.2	12978.7	12467.1	12992.6	10512.6
70°	1856.5	1982.5	2508.0	3947.9	7203.8	10884.2	13112.4	13157.5	12204.3	12005.3	8699.6
72.5°	718.4	822.5	1421.2	2097.5	3756.6	8337.3	11279.2	11411.3	10214.1	9260.9	6054.7
75°	214.6	239.5	668.6	1116.4	1508.2	4027.2	7636.1	7673.4	7006.3	5776.4	3103.6
77.5°	160.2	177.3	292.3	564.4	528.7	1220.6	3951.0	4314.8	3719.3	2063.3	855.2
80°	108.8	129.1	208.4	275.2	195.9	325.0	1110.2	1219.0	1135.1	463.4	214.6
82.5°	48.2	62.2	147.7	138.4	71.5	93.3	342.1	363.8	234.8	139.9	74.6
85°	4.7	6.2	56.0	60.6	26.4	21.8	71.5	71.5	51.3	48.2	31.1
87.5°	0.0	0.0	1.6	3.1	3.1	4.7	6.2	7.8	9.3	12.4	15.5
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°	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6
2.5°	3089.6	3070.9	3094.2	3112.9	3117.6	3083.3	3063.1	3033.6	3027.4	3028.9	3021.1
5°	3131.5	3122.2	3139.3	3119.1	3066.2	2966.7	2881.2	2786.4	2735.0	2705.5	2702.4
7.5°	3209.3	3204.6	3186.0	3094.2	2929.4	2708.6	2495.6	2287.2	2158.2	2111.5	2103.8
10°	3324.4	3315.0	3238.8	3021.1	2669.7	2245.3	1887.6	1589.1	1407.2	1354.3	1289.0
12.5°	3456.5	3437.9	3271.5	2864.1	2277.9	1690.2	1243.9	909.6	752.6	705.9	705.9
15°	3584.0	3543.6	3252.8	2604.4	1795.9	1099.3	695.0	525.6	477.4	464.9	464.9
17.5°	3714.6	3636.9	3179.7	2249.9	1240.8	649.9	463.4	430.7	424.5	426.0	427.6
20°	3837.5	3716.2	3050.7	1823.9	791.4	454.0	415.2	407.4	404.3	407.4	405.8
22.5°	3971.2	3789.3	2854.8	1359.0	514.7	408.9	394.9	388.7	385.6	390.3	390.3
25°	4103.3	3842.1	2595.1	914.3	408.9	380.9	373.2	367.0	363.8	365.4	365.4
27.5°	4171.8	3821.9	2254.6	583.1	367.0	353.0	345.2	337.4	332.7	331.2	332.7
30°	4218.4	3759.7	1837.9	415.2	332.7	315.6	307.9	301.6	289.2	281.4	284.5
32.5°	4291.5	3697.5	1385.4	348.3	304.8	278.3	265.9	250.3	233.2	225.5	225.5
35°	4378.6	3612.0	971.8	314.1	275.2	247.2	223.9	197.5	177.3	171.0	171.0
37.5°	4493.6	3531.2	646.8	290.8	250.3	220.8	188.1	157.0	135.3	132.2	130.6
40°	4666.2	3462.7	455.6	273.7	228.6	192.8	153.9	121.3	105.7	101.1	101.1
42.5°	4890.1	3392.8	360.7	256.6	209.9	166.4	122.8	96.4	84.0	80.9	79.3
45°	5166.9	3310.4	314.1	241.0	191.3	138.4	98.0	80.9	71.5	68.4	68.4
47.5°	5467.0	3198.4	292.3	220.8	169.5	112.0	82.4	70.0	65.3	63.8	62.2
50°	5762.4	3047.6	273.7	202.1	144.6	91.7	71.5	63.8	60.6	59.1	59.1
52.5°	6020.5	2871.9	250.3	180.4	118.2	79.3	63.8	59.1	56.0	52.9	51.3
55°	6241.3	2680.6	220.8	155.5	96.4	70.0	59.1	54.4	51.3	48.2	46.6
57.5°	6525.9	2571.8	177.3	125.9	79.3	62.2	54.4	49.8	46.6	42.0	42.0
60°	6841.5	2492.5	132.2	99.5	68.4	57.5	49.8	45.1	42.0	37.3	37.3
62.5°	7095.0	2374.3	104.2	80.9	59.1	51.3	45.1	40.4	37.3	32.7	32.7
65°	7191.4	2130.2	85.5	63.8	48.2	45.1	40.4	37.3	32.7	28.0	28.0
67.5°	6756.0	1642.0	71.5	51.3	40.4	38.9	35.8	34.2	28.0	24.9	23.3
70°	5350.4	1001.3	59.1	42.0	34.2	32.7	32.7	29.5	24.9	23.3	21.8
72.5°	3666.4	516.2	48.2	34.2	29.5	29.5	28.0	26.4	23.3	21.8	21.8
75°	1904.7	172.6	37.3	26.4	23.3	24.9	24.9	23.3	21.8	21.8	20.2
77.5°	545.8	77.7	28.0	20.2	18.7	18.7	20.2	20.2	20.2	18.7	18.7
80°	141.5	45.1	20.2	15.5	15.5	15.5	15.5	17.1	18.7	17.1	17.1
82.5°	57.5	24.9	14.0	12.4	12.4	12.4	12.4	14.0	15.5	15.5	15.5
85°	35.8	12.4	10.9	10.9	10.9	9.3	9.3	10.9	10.9	12.4	12.4
87.5°	21.8	9.3	9.3	9.3	9.3	7.8	7.8	7.8	7.8	7.8	7.8
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)