

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: P642291

Luminaire Tested: GWS-SA6C-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17935.9 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

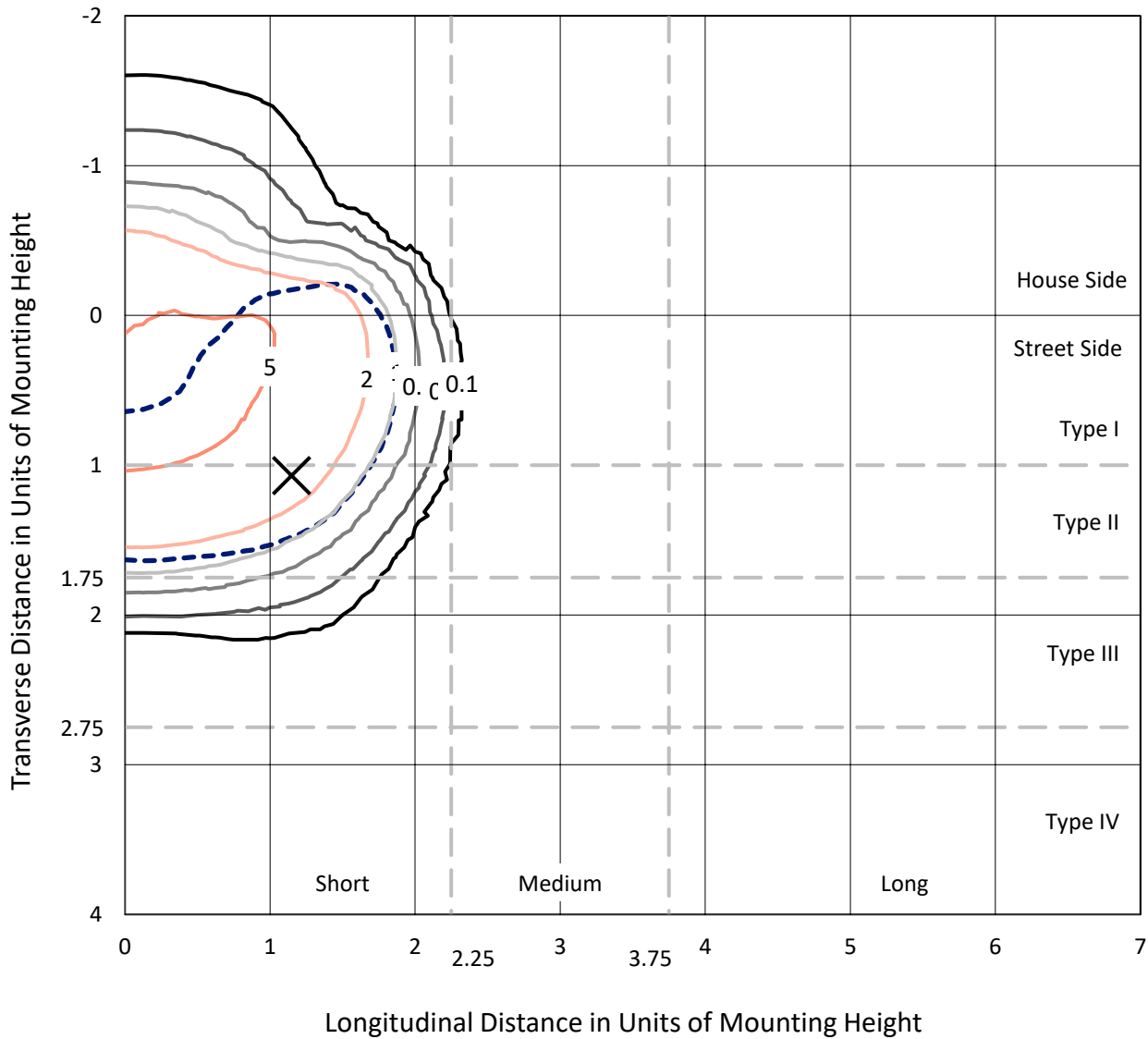
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

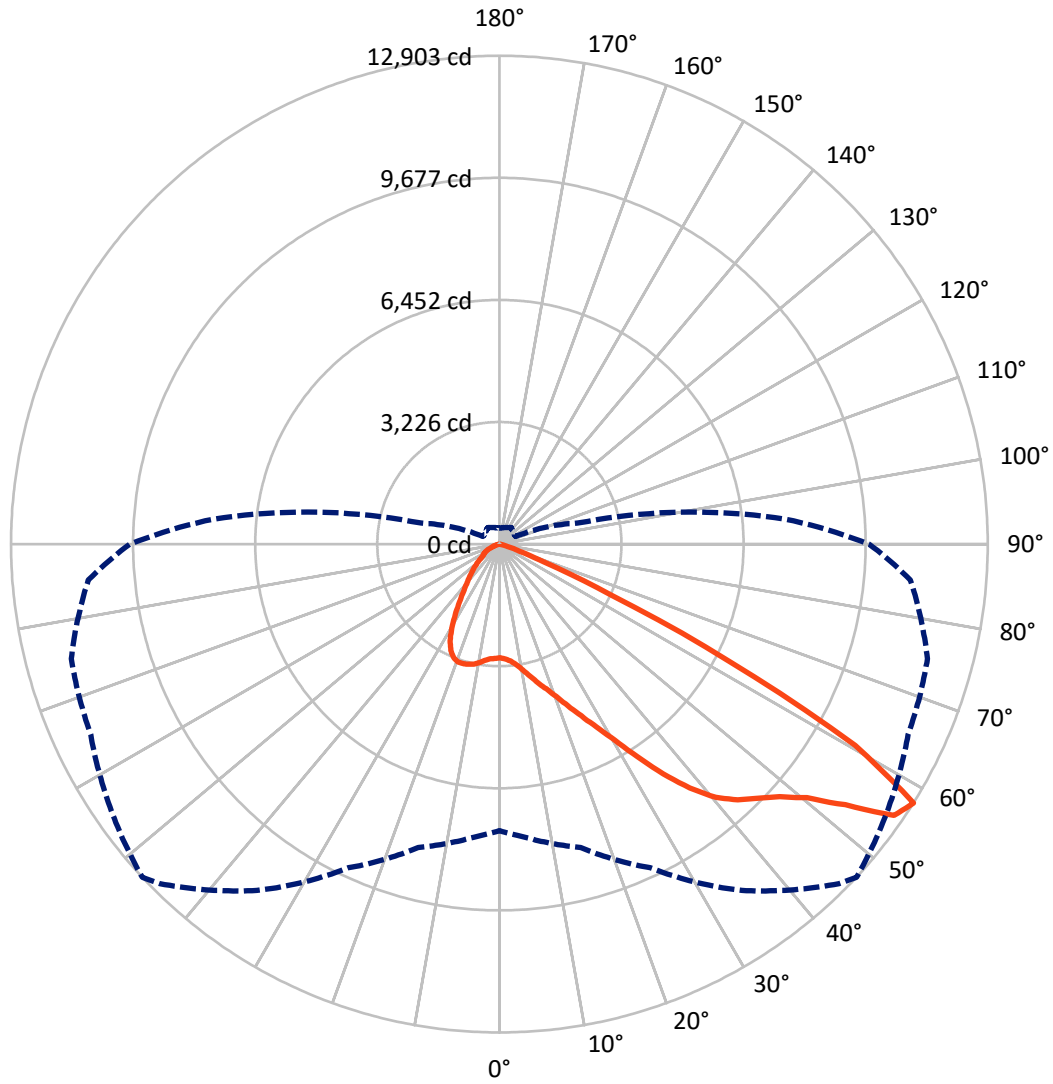
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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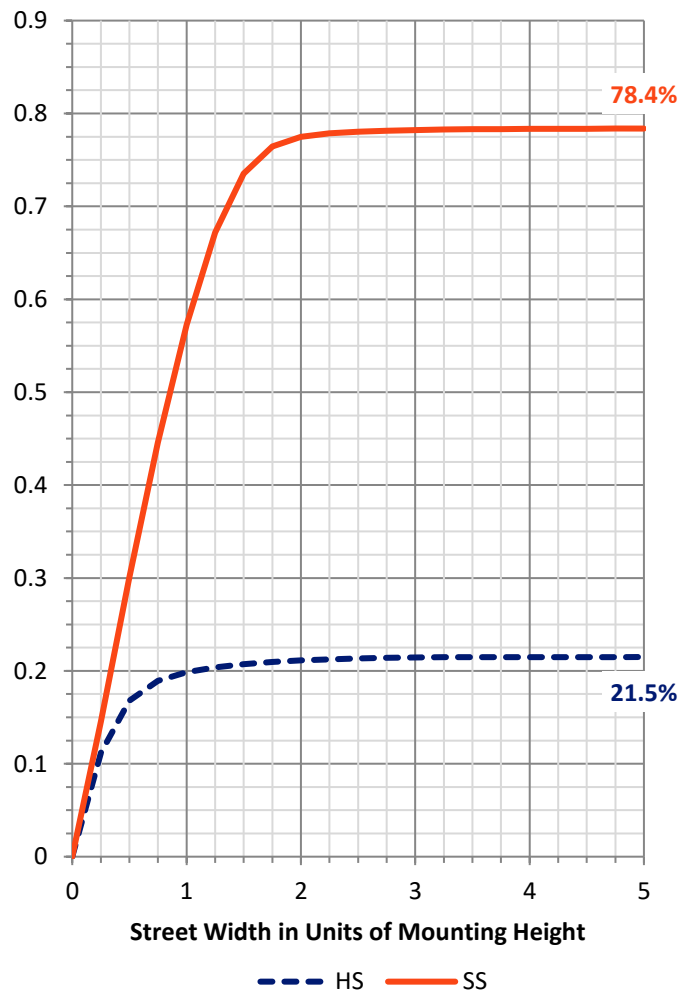
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3891.2	0.0	3891.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	14044.7	0.0	14044.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	17935.9	0.0	17935.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.7	1.7
10°-20°	1007.9	5.6
20°-30°	1871.5	10.4
30°-40°	2995.9	16.7
40°-50°	4379.3	24.4
50°-60°	5404.8	30.1
60°-70°	1806.0	10.1
70°-80°	168.3	0.9
80°-90°	3.5	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°	17935.9	100.0
0°-180°	17935.9	100.0

Coefficient of Utilization



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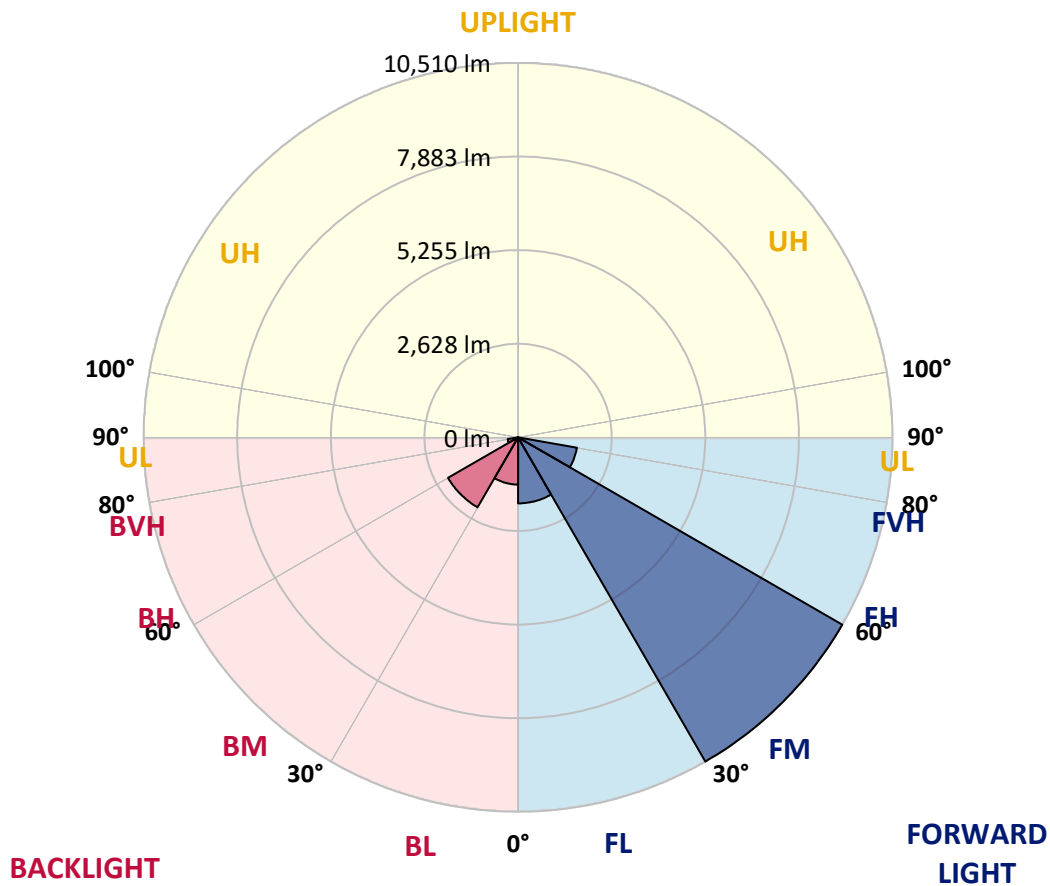
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1853.6	10.3			
FM (30°-60°)	10510.3	58.6			
FH (60°-80°)	1678.4	9.4			G1/1800
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	1324.5	7.4	B3/2500		
BM (30°-60°)	2269.7	12.7	B2/2500		
BH (60°-80°)	295.8	1.6	B1/500		G1/500
BVH (80°-90°)	1.1	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5
2.5°	3033.7	3031.6	3029.6	3042.1	3037.9	3035.8	3040.0	3040.0	3040.0	3027.5	3002.5
5°	3106.6	3106.6	3104.5	3117.0	3106.6	3100.4	3102.4	3102.4	3094.1	3071.2	3040.0
7.5°	3221.1	3217.0	3212.8	3225.3	3214.9	3212.8	3217.0	3204.5	3189.9	3152.4	3108.7
10°	3385.6	3385.6	3379.4	3391.9	3383.5	3379.4	3379.4	3371.0	3344.0	3285.7	3221.1
12.5°	3612.6	3602.2	3587.6	3577.2	3573.0	3570.9	3573.0	3560.5	3531.4	3456.4	3366.9
15°	3860.3	3852.0	3829.1	3812.5	3789.5	3785.4	3797.9	3787.5	3758.3	3656.3	3529.3
17.5°	4172.7	4183.1	4124.8	4089.4	4022.8	4018.6	4022.8	4039.4	4018.6	3887.4	3702.1
20°	4439.2	4447.5	4403.8	4378.8	4318.4	4291.4	4299.7	4326.7	4303.8	4149.8	3891.6
22.5°	4724.4	4734.9	4689.0	4637.0	4609.9	4609.9	4641.2	4678.6	4647.4	4445.4	4108.1
25°	5065.9	5074.2	5036.8	4968.1	4920.2	4980.6	5026.4	5126.3	5074.2	4799.4	4364.2
27.5°	5457.4	5459.4	5405.3	5334.5	5309.5	5422.0	5467.8	5621.9	5601.0	5197.1	4634.9
30°	5875.9	5878.0	5865.5	5817.6	5794.7	5942.5	6005.0	6227.8	6213.2	5690.6	5003.5
32.5°	6311.1	6311.1	6334.0	6329.8	6356.9	6598.4	6698.3	6952.4	6937.8	6294.4	5461.5
35°	6748.3	6750.4	6790.0	6889.9	7002.3	7323.0	7454.2	7762.3	7729.0	7016.9	6046.6
37.5°	7246.0	7225.1	7279.3	7429.2	7679.0	8049.7	8174.6	8468.2	8430.7	7756.1	6810.8
40°	7845.6	7808.1	7808.1	7983.0	8266.2	8693.1	8799.2	8945.0	8818.0	8353.7	7560.4
42.5°	8507.7	8472.3	8426.5	8580.6	8818.0	9151.1	9238.6	9199.0	9094.9	8917.9	8414.0
45°	9178.2	9124.1	9155.3	9249.0	9386.4	9544.7	9578.0	9394.8	9346.9	9396.8	9119.9
47.5°	9688.3	9650.9	9727.9	9859.1	9971.5	9994.4	9971.5	9717.5	9713.3	9890.3	9609.2
50°	9859.1	9863.2	10075.6	10363.0	10544.1	10562.8	10531.6	10240.1	10200.6	10252.6	9873.6
52.5°	9875.7	9892.4	10202.6	10750.2	11243.7	11468.6	11443.6	11129.2	10741.9	10685.7	10273.4
55°	9473.9	9571.7	10004.8	10804.4	11853.8	12572.1	12655.4	12053.7	11479.0	11431.1	11133.4
57.5°	7572.9	7772.7	8295.4	9434.3	11172.9	12686.7	12903.2	12470.1	11914.2	11710.1	10902.2
60°	4526.6	4774.4	5276.2	6673.4	8503.6	10427.5	10800.2	10860.6	10604.5	10015.2	8364.1
62.5°	1942.7	1921.8	2540.2	3610.5	5057.6	6627.5	6796.2	7058.6	7281.3	6665.0	5076.3
65°	666.3	724.6	1007.8	1628.3	2531.9	3077.4	3227.4	3462.6	3779.1	3119.1	1859.4
67.5°	412.3	437.3	580.9	962.0	1365.9	1345.1	1278.5	1241.0	1207.7	826.6	510.1
70°	299.8	320.7	408.1	662.1	918.2	645.5	560.1	453.9	503.9	464.3	362.3
72.5°	202.0	218.6	281.1	401.9	470.6	314.4	291.5	331.1	399.8	381.0	295.7
75°	120.8	131.2	160.3	195.7	191.6	162.4	164.5	233.2	306.1	285.3	210.3
77.5°	83.3	87.5	106.2	127.0	93.7	50.0	45.8	64.5	104.1	104.1	70.8
80°	20.8	27.1	27.1	16.7	14.6	12.5	12.5	18.7	29.2	20.8	10.4
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2	4.2
85°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2
87.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2
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°	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5	3002.5
2.5°	3017.1	2992.1	3008.7	3004.6	3017.1	3021.2	3002.5	2998.3	3000.4	2975.4	2967.1
5°	3046.2	3017.1	3025.4	3017.1	3031.6	3044.1	3037.9	3046.2	3056.6	3037.9	3029.6
7.5°	3108.7	3079.5	3077.4	3065.0	3085.8	3094.1	3092.0	3114.9	3135.7	3123.3	3110.8
10°	3217.0	3177.4	3173.2	3162.8	3169.1	3175.3	3152.4	3156.6	3175.3	3160.7	3154.5
12.5°	3350.2	3302.3	3291.9	3266.9	3266.9	3235.7	3185.7	3175.3	3189.9	3179.5	3169.1
15°	3493.9	3429.3	3412.7	3369.0	3327.3	3269.0	3217.0	3204.5	3214.9	3202.4	3194.0
17.5°	3654.2	3581.3	3527.2	3450.2	3358.5	3289.8	3231.5	3204.5	3187.8	3162.8	3160.7
20°	3812.5	3716.7	3625.1	3502.2	3381.4	3277.3	3181.6	3110.8	3050.4	3012.9	2998.3
22.5°	3995.7	3854.1	3706.3	3533.4	3360.6	3202.4	3033.7	2913.0	2808.8	2773.5	2756.8
25°	4191.4	4008.2	3787.5	3562.6	3289.8	3035.8	2806.8	2627.7	2490.3	2444.5	2425.7
27.5°	4408.0	4156.0	3870.8	3556.3	3144.1	2798.4	2494.4	2271.6	2136.3	2094.7	2109.2
30°	4682.8	4347.6	3974.9	3491.8	2925.4	2465.3	2109.2	1921.8	1819.8	1780.3	1782.3
32.5°	5049.3	4622.4	4126.9	3354.4	2644.4	2086.3	1774.0	1636.6	1567.9	1515.8	1511.7
35°	5574.0	5040.9	4268.4	3133.7	2302.9	1749.0	1522.1	1413.8	1318.0	1257.6	1268.0
37.5°	6202.8	5567.7	4345.5	2835.9	1919.8	1486.7	1332.6	1222.2	1114.0	1024.4	1034.8
40°	6948.2	6256.9	4339.2	2444.5	1570.0	1307.6	1174.3	1045.2	909.9	828.7	837.0
42.5°	7779.0	6908.6	4203.9	2030.1	1301.4	1161.9	1022.3	859.9	728.8	678.8	680.9
45°	8499.4	7437.5	3966.5	1601.2	1095.2	1020.3	864.1	697.5	639.2	603.8	601.7
47.5°	9032.5	7824.8	3627.1	1259.7	928.6	891.2	710.0	624.7	578.8	549.7	545.5
50°	9330.2	7960.1	3252.3	986.9	785.0	755.8	635.1	566.4	535.1	516.4	512.2
52.5°	9730.0	8122.5	2983.7	778.7	658.0	618.4	585.1	526.8	506.0	491.4	485.1
55°	10363.0	8437.0	2750.5	618.4	547.6	539.3	551.8	503.9	491.4	468.5	460.2
57.5°	9767.5	7579.1	2136.3	478.9	462.2	493.5	533.0	481.0	449.7	428.9	420.6
60°	6873.2	5038.9	1074.4	385.2	412.3	462.2	501.8	435.2	403.9	408.1	403.9
62.5°	3789.5	2521.5	483.1	322.7	358.1	408.1	428.9	376.9	356.1	391.4	397.7
65°	1238.9	857.9	279.0	249.9	283.2	333.1	370.6	358.1	354.0	395.6	408.1
67.5°	381.0	283.2	189.5	179.1	195.7	245.7	312.3	387.3	416.4	428.9	435.2
70°	285.3	222.8	162.4	152.0	160.3	187.4	264.4	322.7	304.0	306.1	301.9
72.5°	229.0	177.0	139.5	133.3	133.3	129.1	139.5	174.9	197.8	208.2	208.2
75°	160.3	124.9	106.2	97.9	77.0	62.5	56.2	56.2	50.0	47.9	45.8
77.5°	54.1	45.8	41.6	33.3	22.9	18.7	16.7	14.6	10.4	6.2	4.2
80°	8.3	6.2	4.2	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
82.5°	4.2	4.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0
85°	4.2	4.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0
87.5°	4.2	4.2	4.2	4.2	2.1	2.1	2.1	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)