

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: P635417

Luminaire Tested: GWS-SA3D-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15153.8 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

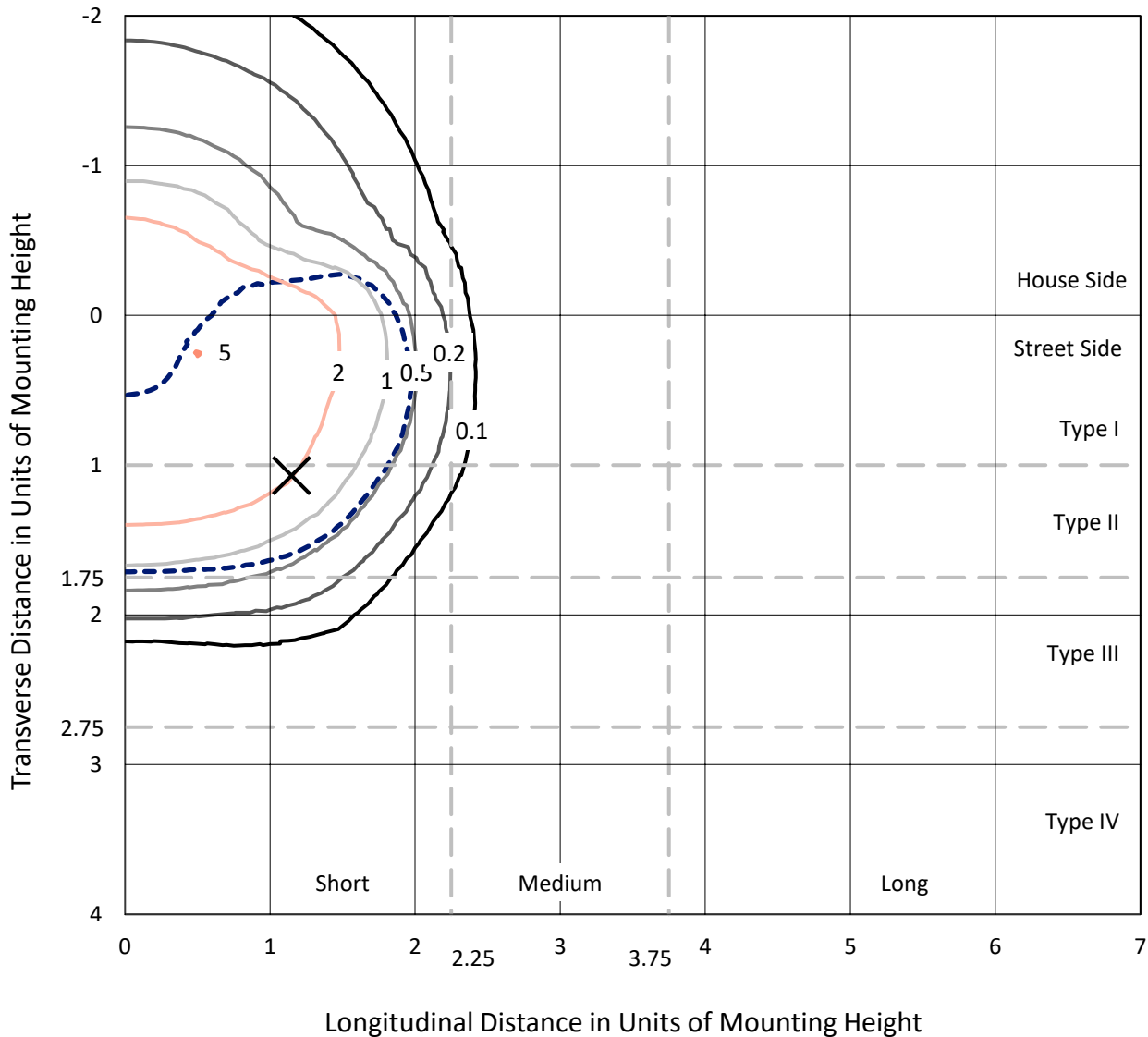
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

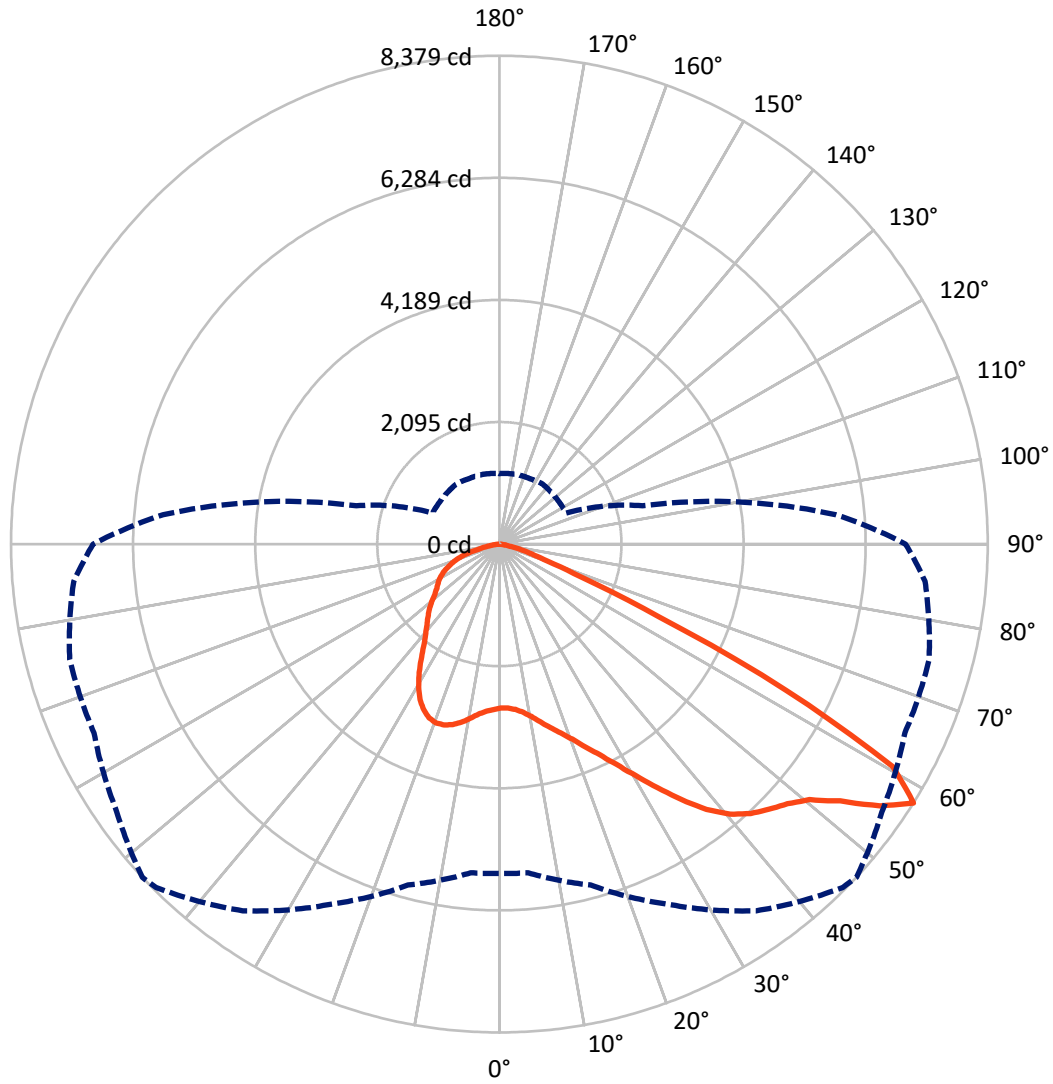
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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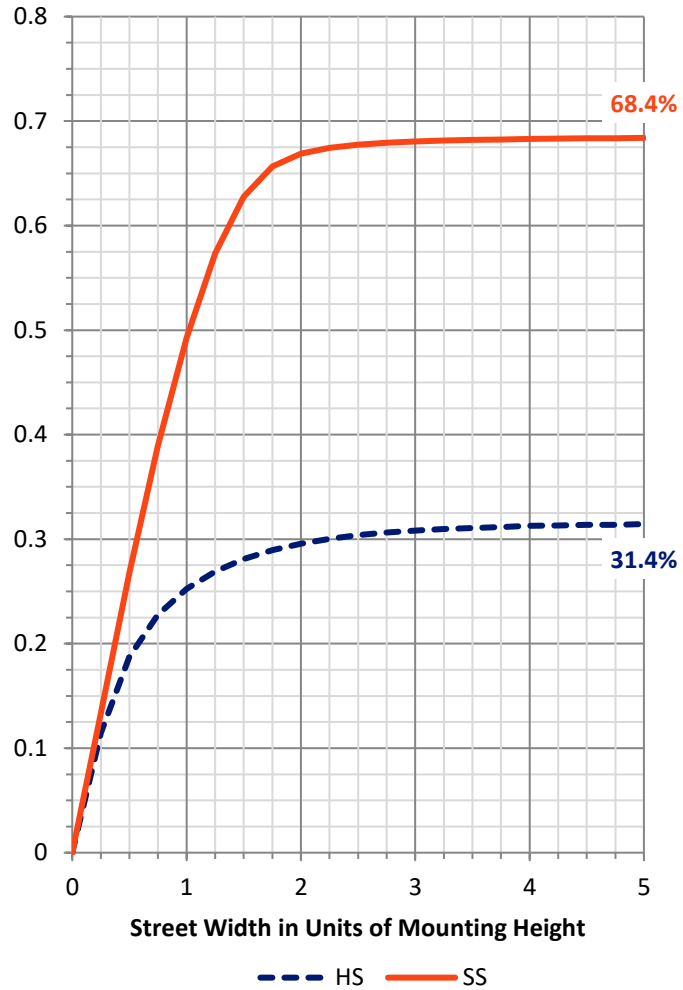
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4796.1	0.0	4796.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	10357.7	0.0	10357.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	15153.8	0.0	15153.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.2	1.8
10°-20°	911.7	6.0
20°-30°	1641.6	10.8
30°-40°	2479.4	16.4
40°-50°	3338.8	22.0
50°-60°	4012.0	26.5
60°-70°	1953.9	12.9
70°-80°	481.4	3.2
80°-90°	57.9	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°	15153.8	100.0
0°-180°	15153.8	100.0

Coefficient of Utilization



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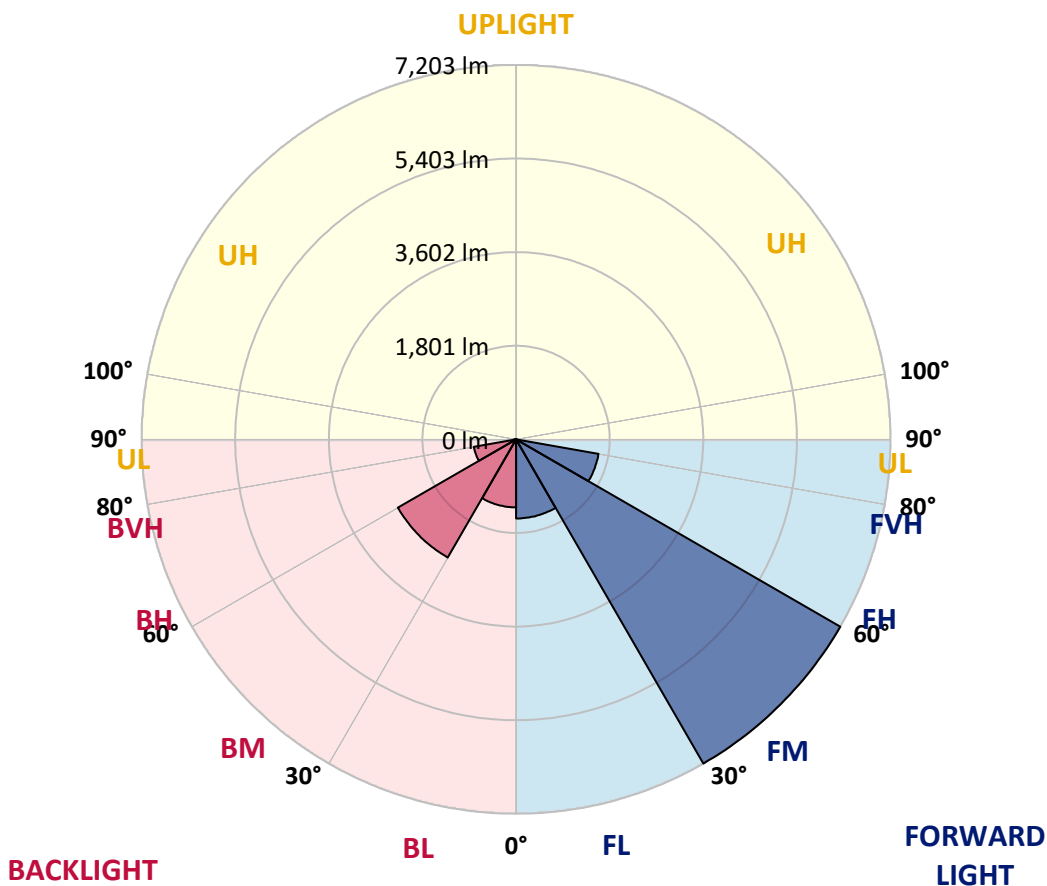
CATALOG NUMBER: GWS-SA3D-760-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1522.1	10.0			
FM (30°-60°)	7203.4	47.5			
FH (60°-80°)	1610.4	10.6			G1/1800
FVH (80°-90°)	21.7	0.1			G1/100
BL (0°-30°)	1308.3	8.6	B3/2500		
BM (30°-60°)	2626.8	17.3	B3/5000		
BH (60°-80°)	824.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	36.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3
2.5°	2805.2	2803.9	2803.9	2811.6	2811.6	2814.1	2817.9	2821.7	2823.0	2816.7	2802.7
5°	2835.7	2835.7	2835.7	2842.1	2842.1	2844.7	2849.8	2851.0	2849.8	2839.6	2825.6
7.5°	2884.1	2884.1	2885.4	2893.0	2899.4	2903.2	2912.1	2910.8	2907.0	2890.5	2872.7
10°	2963.0	2966.8	2970.7	2979.6	2992.3	3001.2	3007.6	3007.6	3002.5	2977.0	2954.1
12.5°	3075.0	3080.1	3083.9	3091.6	3101.8	3117.0	3131.0	3131.0	3124.7	3092.9	3058.5
15°	3206.1	3211.2	3209.9	3212.5	3231.6	3253.2	3264.7	3272.3	3274.9	3230.3	3176.9
17.5°	3356.3	3361.4	3356.3	3348.7	3351.2	3385.6	3406.0	3434.0	3450.5	3390.7	3305.4
20°	3492.5	3487.4	3487.4	3492.5	3500.1	3542.1	3572.7	3618.5	3638.9	3566.3	3434.0
22.5°	3636.3	3647.8	3642.7	3642.7	3673.2	3743.2	3780.2	3840.0	3861.6	3767.4	3589.2
25°	3822.2	3832.3	3829.8	3832.3	3868.0	3967.2	4004.2	4114.9	4136.5	4001.6	3761.1
27.5°	4025.8	4042.3	4050.0	4047.4	4104.7	4234.5	4280.4	4434.4	4473.8	4263.8	3944.3
30°	4290.5	4308.4	4314.7	4312.2	4379.6	4556.5	4608.7	4784.4	4840.4	4574.4	4177.3
32.5°	4597.3	4615.1	4634.2	4641.8	4728.4	4909.1	4984.2	5166.2	5246.4	4933.3	4458.5
35°	4901.5	4916.7	4953.7	5013.5	5131.8	5316.4	5382.6	5562.0	5639.7	5306.2	4798.4
37.5°	5237.5	5247.7	5279.5	5362.2	5532.8	5708.4	5774.6	5946.4	5955.3	5666.4	5182.8
40°	5605.3	5605.3	5599.0	5680.4	5858.6	6035.5	6092.8	6192.1	6139.9	5943.9	5556.9
42.5°	5917.1	5912.1	5917.1	5993.5	6125.9	6269.7	6319.3	6300.3	6234.1	6156.4	5895.5
45°	6198.4	6202.2	6248.1	6306.6	6375.3	6460.6	6489.9	6381.7	6321.9	6327.0	6166.6
47.5°	6389.3	6393.2	6500.1	6598.1	6640.1	6666.8	6654.1	6503.9	6473.3	6530.6	6375.3
50°	6414.8	6435.2	6619.7	6820.8	6925.2	6929.0	6893.4	6710.1	6701.2	6766.1	6487.4
52.5°	6419.9	6440.3	6670.6	7033.4	7304.5	7361.7	7321.0	7130.1	7037.2	6972.3	6624.8
55°	6400.8	6423.7	6678.3	7175.9	7695.2	7924.3	7928.1	7658.3	7361.7	7318.5	7016.8
57.5°	5651.1	5660.0	6054.6	6813.2	7679.9	8329.1	8378.7	8012.1	7673.6	7632.9	7331.2
60°	3936.7	3972.3	4401.3	5402.9	6451.7	7595.9	7756.3	7649.4	7422.8	7126.3	6290.1
62.5°	1971.5	2002.1	2432.3	3379.2	4449.6	5353.3	5525.1	5638.4	5691.9	5373.7	4282.9
65°	848.9	871.9	1139.1	1765.3	2518.8	2955.4	3015.2	3151.4	3484.9	3109.4	2307.5
67.5°	567.7	582.9	719.1	1076.8	1484.1	1512.1	1503.2	1532.4	1605.0	1325.0	1042.4
70°	435.3	448.0	539.7	789.1	1066.6	912.6	864.2	784.0	851.5	868.0	845.1
72.5°	315.6	325.8	394.6	538.4	668.2	582.9	575.3	616.0	707.7	733.1	719.1
75°	203.6	208.7	250.7	295.3	344.9	374.2	389.5	463.3	556.2	575.3	558.7
77.5°	136.2	140.0	164.2	189.6	196.0	197.3	202.4	235.5	299.1	334.7	330.9
80°	71.3	71.3	80.2	80.2	91.6	109.5	114.6	136.2	165.5	183.3	184.6
82.5°	28.0	29.3	34.4	38.2	45.8	56.0	59.8	71.3	86.5	99.3	110.7
85°	11.5	12.7	14.0	16.5	20.4	25.5	26.7	30.5	40.7	50.9	57.3
87.5°	0.0	0.0	1.3	1.3	2.5	3.8	3.8	5.1	6.4	11.5	15.3
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°	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3	2810.3
2.5°	2819.2	2802.7	2819.2	2824.3	2838.3	2843.4	2834.5	2833.2	2833.2	2820.5	2816.7
5°	2838.3	2823.0	2839.6	2847.2	2867.6	2880.3	2882.8	2893.0	2899.4	2894.3	2893.0
7.5°	2885.4	2866.3	2884.1	2895.6	2922.3	2942.7	2951.6	2974.5	2991.0	2988.5	2987.2
10°	2968.1	2942.7	2963.0	2982.1	3011.4	3035.6	3036.8	3049.6	3066.1	3061.0	3058.5
12.5°	3063.6	3039.4	3062.3	3081.4	3115.8	3125.9	3109.4	3104.3	3106.9	3100.5	3095.4
15°	3180.7	3146.3	3166.7	3188.3	3207.4	3195.9	3160.3	3146.3	3145.0	3136.1	3131.0
17.5°	3297.8	3254.5	3269.8	3281.2	3272.3	3236.7	3192.1	3167.9	3156.5	3138.7	3133.6
20°	3413.6	3358.9	3356.3	3347.4	3306.7	3241.8	3181.9	3133.6	3104.3	3080.1	3071.2
22.5°	3546.0	3469.6	3431.4	3390.7	3301.6	3195.9	3105.6	3036.8	2989.8	2959.2	2949.0
25°	3688.5	3580.3	3501.4	3420.0	3250.7	3097.9	2971.9	2877.8	2821.7	2788.7	2777.2
27.5°	3829.8	3680.9	3562.5	3423.8	3148.9	2956.7	2787.4	2660.1	2604.1	2577.4	2568.5
30°	4020.7	3814.5	3635.1	3374.1	3015.2	2760.7	2549.4	2420.8	2383.9	2364.8	2357.2
32.5°	4240.9	3983.8	3731.8	3269.8	2844.7	2531.6	2308.8	2219.7	2194.3	2157.4	2156.1
35°	4531.1	4225.6	3823.4	3115.8	2629.6	2285.9	2124.3	2060.6	2014.8	1956.3	1951.2
37.5°	4869.6	4527.3	3873.1	2919.8	2378.8	2083.5	1986.8	1915.5	1841.7	1764.1	1753.9
40°	5219.7	4879.8	3876.9	2688.1	2133.2	1949.9	1868.4	1775.5	1683.9	1597.3	1585.9
42.5°	5587.5	5208.2	3809.4	2420.8	1932.1	1834.1	1751.3	1634.2	1531.2	1472.6	1466.2
45°	5915.9	5472.9	3656.7	2139.5	1783.2	1737.3	1631.7	1505.7	1451.0	1409.0	1400.1
47.5°	6174.2	5648.6	3450.5	1887.5	1662.2	1638.1	1500.6	1435.7	1393.7	1355.5	1346.6
50°	6301.5	5688.0	3181.9	1682.6	1550.2	1521.0	1426.8	1377.1	1349.1	1318.6	1311.0
52.5°	6459.3	5732.6	2950.3	1510.8	1440.8	1401.3	1365.7	1326.2	1305.9	1286.8	1280.4
55°	6822.1	5900.6	2828.1	1373.3	1336.4	1318.6	1313.5	1280.4	1274.1	1261.3	1249.9
57.5°	6969.7	5792.4	2539.2	1261.3	1253.7	1256.2	1269.0	1238.4	1232.0	1216.8	1209.1
60°	5605.3	4378.4	1719.5	1164.6	1185.0	1201.5	1214.2	1183.7	1174.8	1172.2	1162.0
62.5°	3591.8	2693.2	1200.2	1074.2	1104.8	1125.1	1132.8	1103.5	1097.1	1117.5	1118.8
65°	1869.7	1467.5	973.7	977.5	1002.9	1033.5	1048.8	1038.6	1036.0	1057.7	1059.0
67.5°	954.6	897.3	848.9	862.9	883.3	922.8	958.4	1002.9	1018.2	1020.8	1022.0
70°	813.3	787.8	763.7	772.6	794.2	815.9	850.2	871.9	846.4	840.0	837.5
72.5°	692.4	673.3	661.8	672.0	683.5	679.7	669.5	679.7	683.5	684.8	686.0
75°	538.4	524.4	515.5	516.7	516.7	502.7	483.7	472.2	459.5	449.3	449.3
77.5°	329.6	332.2	341.1	339.8	338.6	333.5	314.4	304.2	273.6	264.7	264.7
80°	188.4	192.2	201.1	203.6	203.6	197.3	178.2	166.7	152.7	146.4	145.1
82.5°	114.6	119.6	124.7	127.3	128.6	120.9	104.4	95.5	87.8	81.5	81.5
85°	59.8	62.4	67.5	68.7	64.9	57.3	48.4	44.5	36.9	35.6	35.6
87.5°	16.5	17.8	20.4	16.5	15.3	11.5	6.4	5.1	2.5	1.3	1.3
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)