

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: P635197

Luminaire Tested: GWS-SA3D-730-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635197
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13677.6 lumens
Efficiency: N/A
Efficacy: 113.2 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

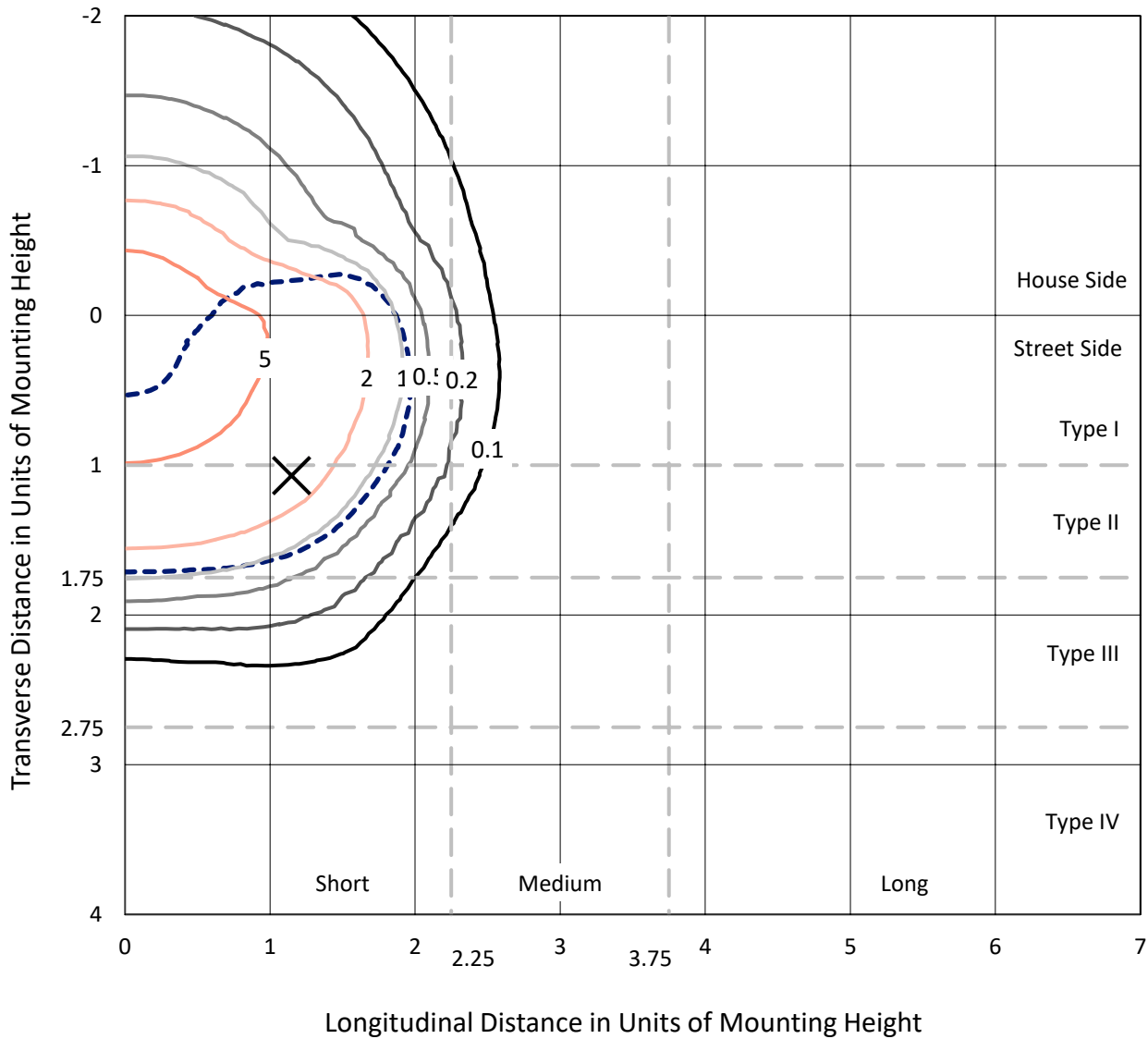
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

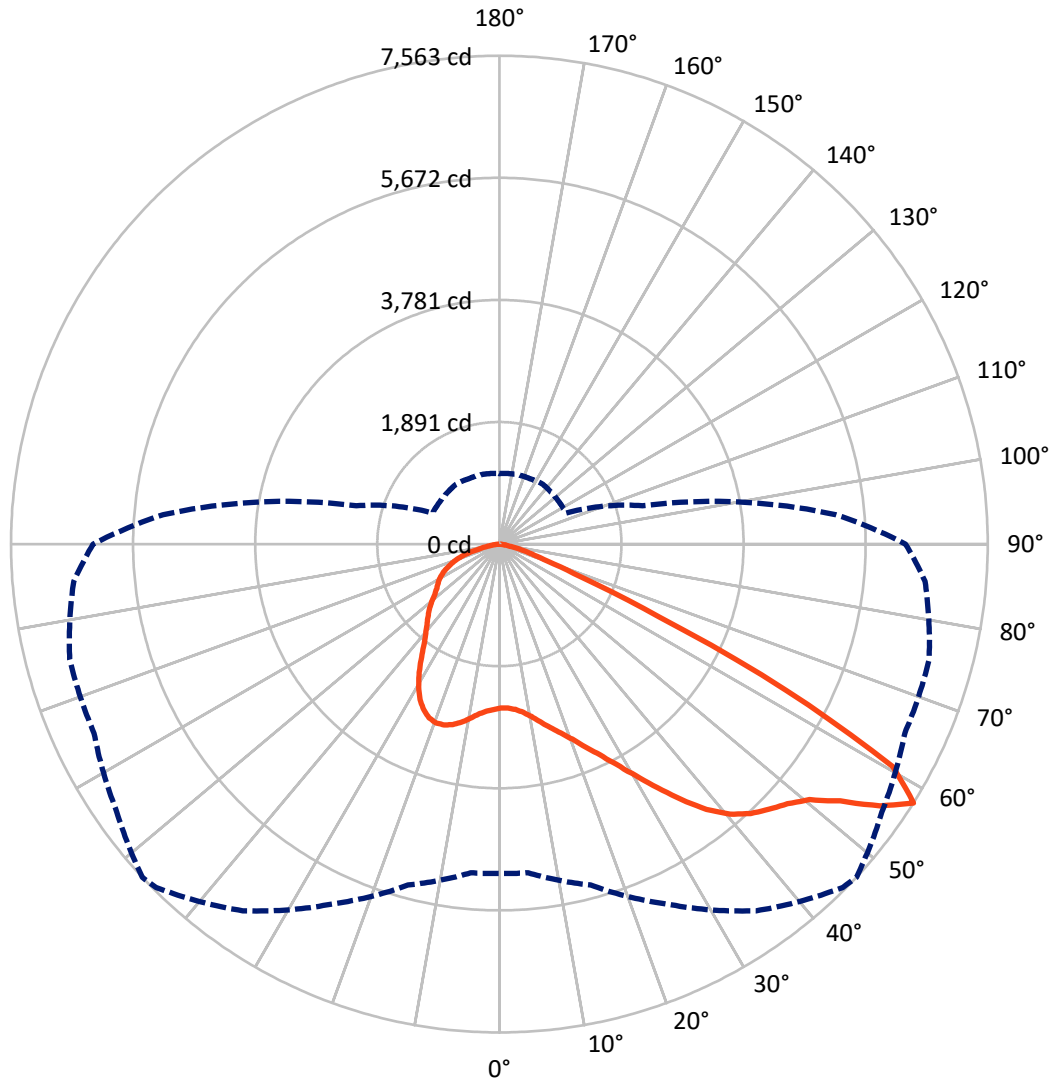
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 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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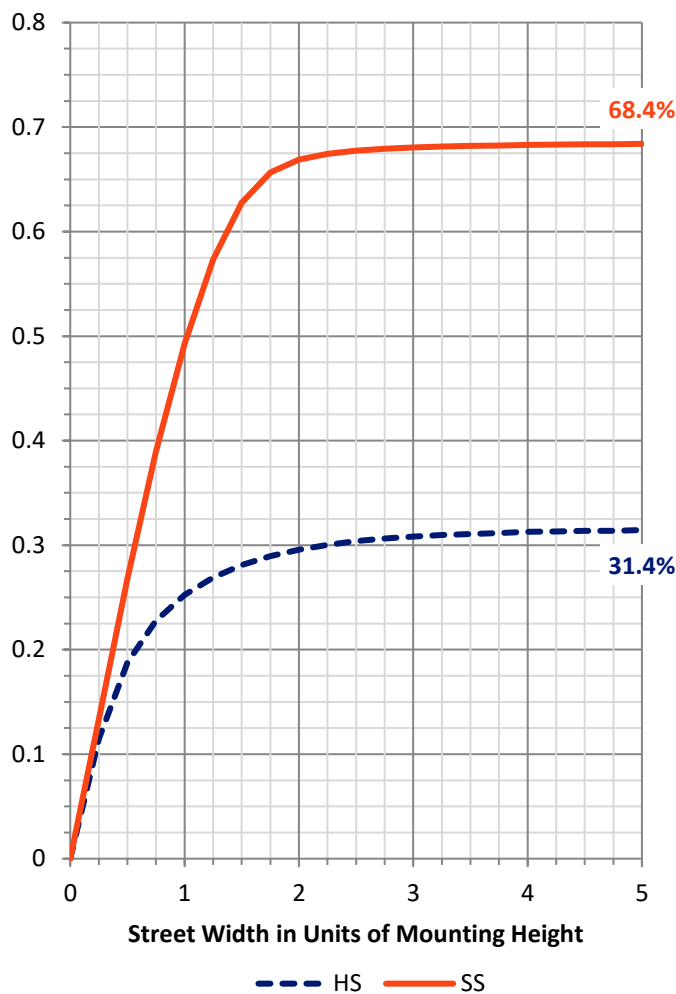
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4328.9	0.0	4328.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	9348.7	0.0	9348.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	13677.6	0.0	13677.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	1.8
10°-20°	822.9	6.0
20°-30°	1481.7	10.8
30°-40°	2237.9	16.4
40°-50°	3013.6	22.0
50°-60°	3621.2	26.5
60°-70°	1763.6	12.9
70°-80°	434.5	3.2
80°-90°	52.2	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°	13677.6	100.0
0°-180°	13677.6	100.0

Coefficient of Utilization

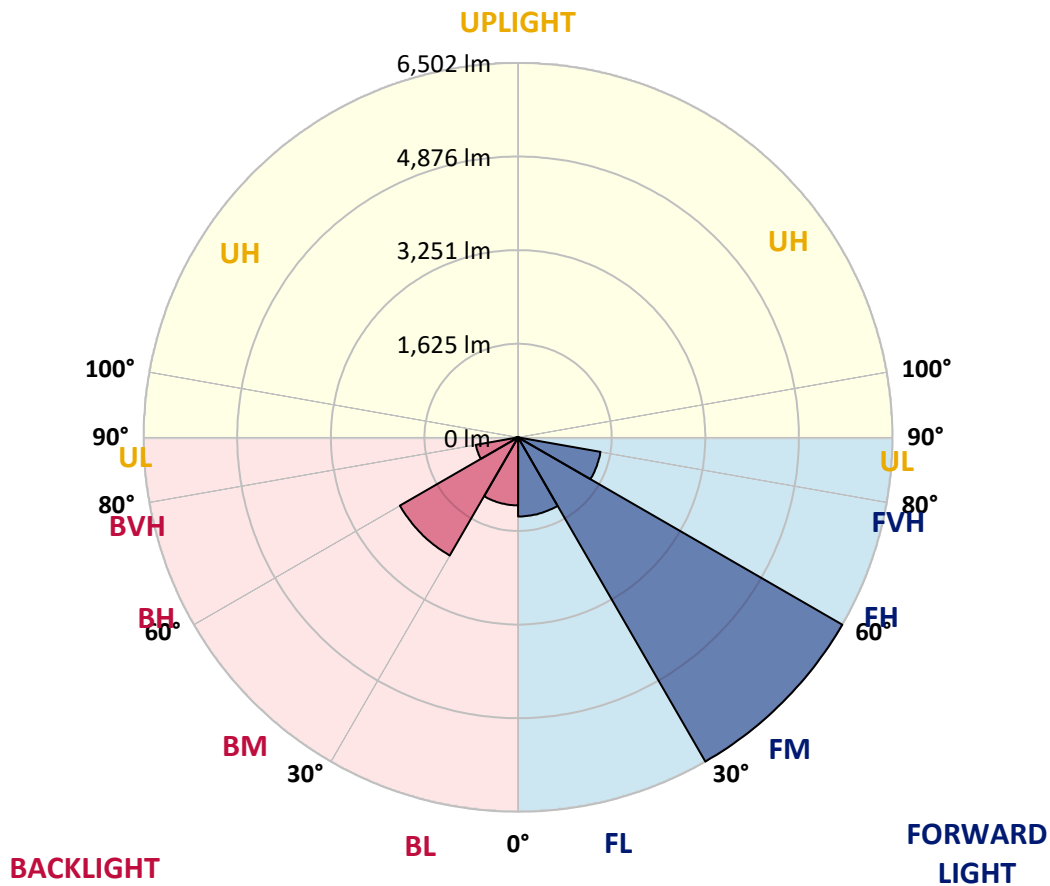


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1373.8	10.0			
FM (30°-60°)	6501.7	47.5			
FH (60°-80°)	1453.5	10.6			G1/1800
FVH (80°-90°)	19.6	0.1			G1/100
BL (0°-30°)	1180.9	8.6	B3/2500		
BM (30°-60°)	2370.9	17.3	B2/2500		
BH (60°-80°)	744.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	32.6	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°	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5
2.5°	2531.9	2530.8	2530.8	2537.7	2537.7	2540.0	2543.4	2546.9	2548.0	2542.3	2529.6
5°	2559.5	2559.5	2559.5	2565.3	2565.3	2567.5	2572.1	2573.3	2572.1	2563.0	2550.3
7.5°	2603.2	2603.2	2604.3	2611.2	2616.9	2620.4	2628.4	2627.3	2623.8	2608.9	2592.8
10°	2674.4	2677.8	2681.3	2689.3	2700.8	2708.8	2714.6	2714.6	2710.0	2687.0	2666.3
12.5°	2775.5	2780.1	2783.5	2790.4	2799.6	2813.4	2826.0	2826.0	2820.3	2791.6	2760.5
15°	2893.8	2898.4	2897.3	2899.5	2916.8	2936.3	2946.6	2953.5	2955.8	2915.6	2867.4
17.5°	3029.4	3034.0	3029.4	3022.5	3024.8	3055.8	3074.2	3099.4	3114.4	3060.4	2983.4
20°	3152.3	3147.7	3147.7	3152.3	3159.2	3197.1	3224.7	3266.0	3284.4	3218.9	3099.4
22.5°	3282.1	3292.4	3287.8	3287.8	3315.4	3378.6	3411.9	3465.9	3485.4	3400.4	3239.6
25°	3449.8	3459.0	3456.7	3459.0	3491.2	3580.8	3614.1	3714.0	3733.6	3611.8	3394.7
27.5°	3633.6	3648.6	3655.5	3653.2	3704.9	3822.0	3863.4	4002.4	4038.0	3848.5	3560.1
30°	3872.6	3888.7	3894.4	3892.1	3953.0	4112.7	4159.8	4318.3	4368.9	4128.8	3770.3
32.5°	4149.4	4165.5	4182.7	4189.6	4267.8	4430.9	4498.7	4662.9	4735.3	4452.7	4024.2
35°	4424.0	4437.8	4471.1	4525.1	4631.9	4798.5	4858.2	5020.2	5090.3	4789.3	4330.9
37.5°	4727.3	4736.5	4765.2	4839.9	4993.8	5152.3	5212.1	5367.2	5375.2	5114.4	4677.9
40°	5059.3	5059.3	5053.5	5127.1	5287.9	5447.6	5499.3	5588.9	5541.8	5364.9	5015.6
42.5°	5340.7	5336.1	5340.7	5409.7	5529.1	5658.9	5703.7	5686.5	5626.8	5556.7	5321.2
45°	5594.6	5598.1	5639.4	5692.3	5754.3	5831.3	5857.7	5760.0	5706.0	5710.6	5565.9
47.5°	5766.9	5770.4	5866.9	5955.3	5993.2	6017.4	6005.9	5870.3	5842.8	5894.4	5754.3
50°	5789.9	5808.3	5974.9	6156.4	6250.6	6254.0	6221.9	6056.4	6048.4	6107.0	5855.4
52.5°	5794.5	5812.9	6020.8	6348.2	6592.9	6644.6	6607.8	6435.5	6351.7	6293.1	5979.5
55°	5777.3	5797.9	6027.7	6476.9	6945.6	7152.4	7155.8	6912.3	6644.6	6605.5	6333.3
57.5°	5100.6	5108.7	5464.8	6149.5	6931.8	7517.7	7562.5	7231.6	6926.1	6889.3	6617.0
60°	3553.2	3585.4	3972.5	4876.6	5823.2	6856.0	7000.7	6904.2	6699.7	6432.1	5677.3
62.5°	1779.5	1807.0	2195.3	3050.0	4016.2	4831.8	4986.9	5089.1	5137.4	4850.2	3865.7
65°	766.2	786.9	1028.2	1593.4	2273.5	2667.5	2721.5	2844.4	3145.4	2806.5	2082.8
67.5°	512.4	526.1	649.1	971.9	1339.5	1364.8	1356.7	1383.1	1448.6	1195.9	940.9
70°	392.9	404.4	487.1	712.3	962.7	823.7	780.0	707.7	768.5	783.5	762.8
72.5°	284.9	294.1	356.1	485.9	603.1	526.1	519.3	556.0	638.7	661.7	649.1
75°	183.8	188.4	226.3	266.5	311.3	337.7	351.5	418.2	502.0	519.3	504.3
77.5°	122.9	126.4	148.2	171.2	176.9	178.1	182.7	212.5	270.0	302.1	298.7
80°	64.3	64.3	72.4	72.4	82.7	98.8	103.4	122.9	149.3	165.4	166.6
82.5°	25.3	26.4	31.0	34.5	41.4	50.5	54.0	64.3	78.1	89.6	99.9
85°	10.3	11.5	12.6	14.9	18.4	23.0	24.1	27.6	36.8	46.0	51.7
87.5°	0.0	0.0	1.1	1.1	2.3	3.4	3.4	4.6	5.7	10.3	13.8
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°	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5
2.5°	2544.6	2529.6	2544.6	2549.2	2561.8	2566.4	2558.4	2557.2	2557.2	2545.7	2542.3
5°	2561.8	2548.0	2563.0	2569.8	2588.2	2599.7	2602.0	2611.2	2616.9	2612.4	2611.2
7.5°	2604.3	2587.1	2603.2	2613.5	2637.6	2656.0	2664.0	2684.7	2699.7	2697.4	2696.2
10°	2679.0	2656.0	2674.4	2691.6	2718.0	2739.9	2741.0	2752.5	2767.4	2762.8	2760.5
12.5°	2765.1	2743.3	2764.0	2781.2	2812.2	2821.4	2806.5	2801.9	2804.2	2798.5	2793.9
15°	2870.8	2839.8	2858.2	2877.7	2895.0	2884.6	2852.4	2839.8	2838.7	2830.6	2826.0
17.5°	2976.5	2937.5	2951.2	2961.6	2953.5	2921.4	2881.2	2859.3	2849.0	2832.9	2828.3
20°	3081.1	3031.7	3029.4	3021.3	2984.6	2926.0	2872.0	2828.3	2801.9	2780.1	2772.0
22.5°	3200.5	3131.6	3097.1	3060.4	2980.0	2884.6	2803.1	2741.0	2698.5	2670.9	2661.7
25°	3329.2	3231.5	3160.3	3086.8	2934.0	2796.2	2682.4	2597.4	2546.9	2517.0	2506.7
27.5°	3456.7	3322.3	3215.5	3090.2	2842.1	2668.6	2515.9	2401.0	2350.4	2326.3	2318.3
30°	3629.0	3442.9	3280.9	3045.4	2721.5	2491.7	2301.0	2185.0	2151.7	2134.5	2127.6
32.5°	3827.8	3595.7	3368.3	2951.2	2567.5	2284.9	2083.9	2003.5	1980.5	1947.2	1946.1
35°	4089.7	3814.0	3451.0	2812.2	2373.4	2063.2	1917.3	1859.9	1818.5	1765.7	1761.1
37.5°	4395.3	4086.2	3495.8	2635.3	2147.1	1880.6	1793.3	1728.9	1662.3	1592.2	1583.0
40°	4711.2	4404.5	3499.2	2426.2	1925.4	1759.9	1686.4	1602.6	1519.9	1441.7	1431.4
42.5°	5043.2	4700.9	3438.3	2185.0	1743.9	1655.4	1580.7	1475.0	1382.0	1329.2	1323.4
45°	5339.6	4939.8	3300.5	1931.1	1609.5	1568.1	1472.8	1359.0	1309.6	1271.7	1263.7
47.5°	5572.8	5098.3	3114.4	1703.7	1500.3	1478.5	1354.4	1295.8	1257.9	1223.5	1215.4
50°	5687.7	5133.9	2872.0	1518.7	1399.2	1372.8	1287.8	1243.0	1217.7	1190.1	1183.3
52.5°	5830.1	5174.2	2662.9	1363.6	1300.4	1264.8	1232.7	1197.0	1178.7	1161.4	1155.7
55°	6157.5	5325.8	2552.6	1239.5	1206.2	1190.1	1185.6	1155.7	1149.9	1138.5	1128.1
57.5°	6290.8	5228.1	2291.8	1138.5	1131.6	1133.9	1145.3	1117.8	1112.0	1098.2	1091.4
60°	5059.3	3951.8	1552.0	1051.1	1069.5	1084.5	1095.9	1068.4	1060.3	1058.0	1048.8
62.5°	3241.9	2430.8	1083.3	969.6	997.2	1015.5	1022.4	996.0	990.3	1008.6	1009.8
65°	1687.6	1324.6	878.8	882.3	905.2	932.8	946.6	937.4	935.1	954.6	955.8
67.5°	861.6	809.9	766.2	778.9	797.3	832.9	865.0	905.2	919.0	921.3	922.5
70°	734.1	711.1	689.3	697.3	716.8	736.4	767.4	786.9	763.9	758.2	755.9
72.5°	624.9	607.7	597.4	606.6	616.9	613.5	604.3	613.5	616.9	618.0	619.2
75°	485.9	473.3	465.3	466.4	466.4	453.8	436.5	426.2	414.7	405.5	405.5
77.5°	297.5	299.8	307.9	306.7	305.6	301.0	283.8	274.6	247.0	238.9	238.9
80°	170.0	173.5	181.5	183.8	183.8	178.1	160.8	150.5	137.9	132.1	131.0
82.5°	103.4	108.0	112.6	114.9	116.0	109.1	94.2	86.2	79.3	73.5	73.5
85°	54.0	56.3	60.9	62.0	58.6	51.7	43.7	40.2	33.3	32.2	32.2
87.5°	14.9	16.1	18.4	14.9	13.8	10.3	5.7	4.6	2.3	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)