

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: P639322

Luminaire Tested: GWS-SA5B-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639322
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-SA5B-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15502 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

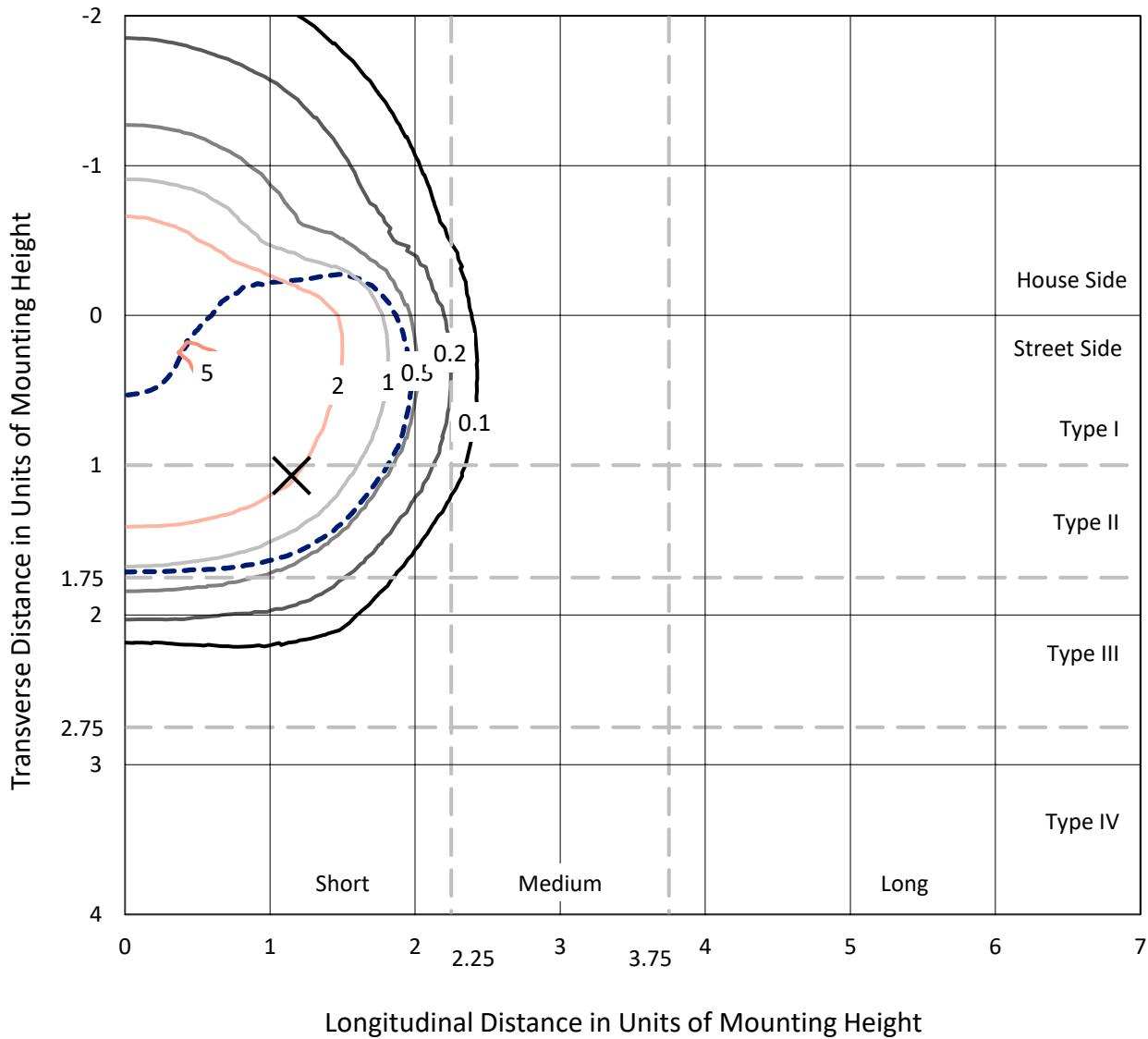
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

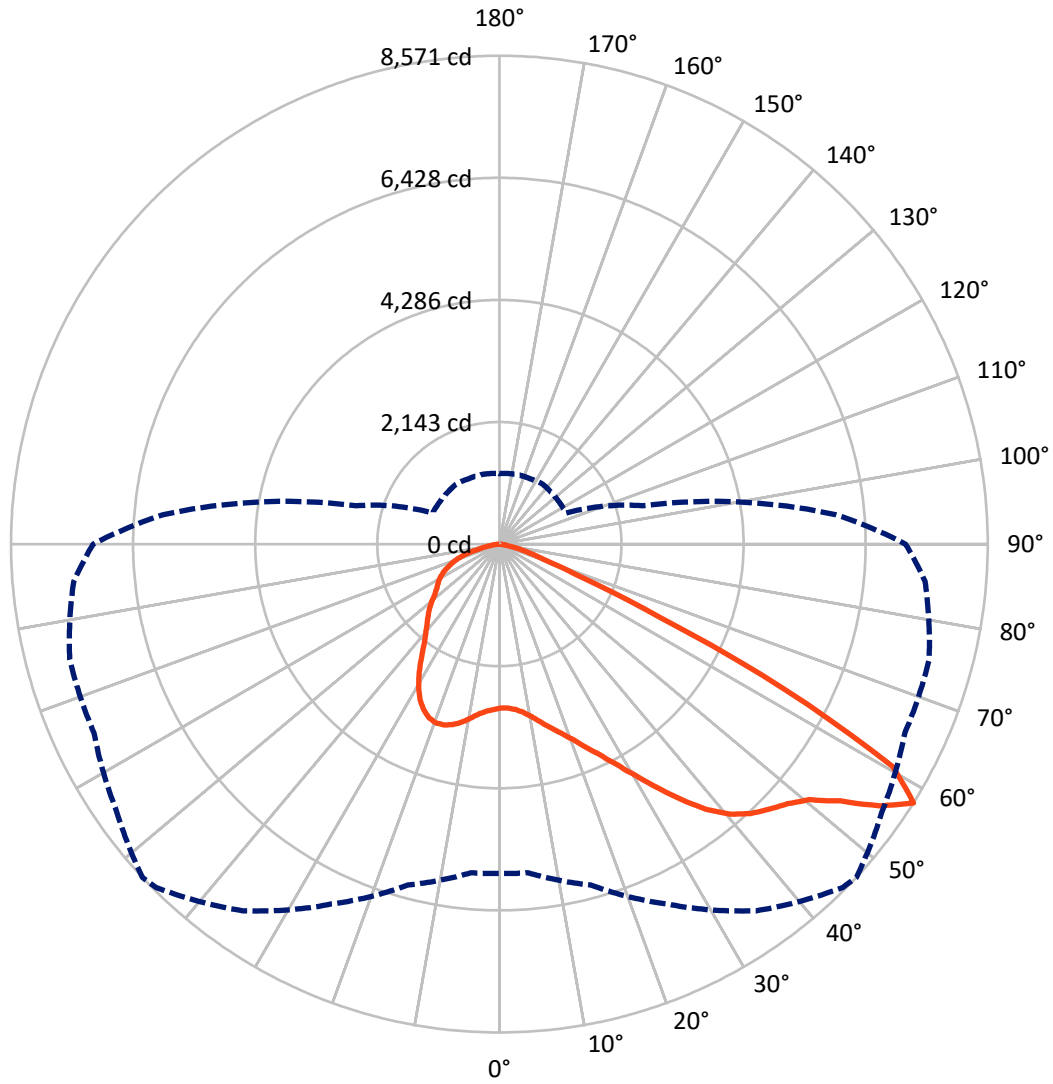
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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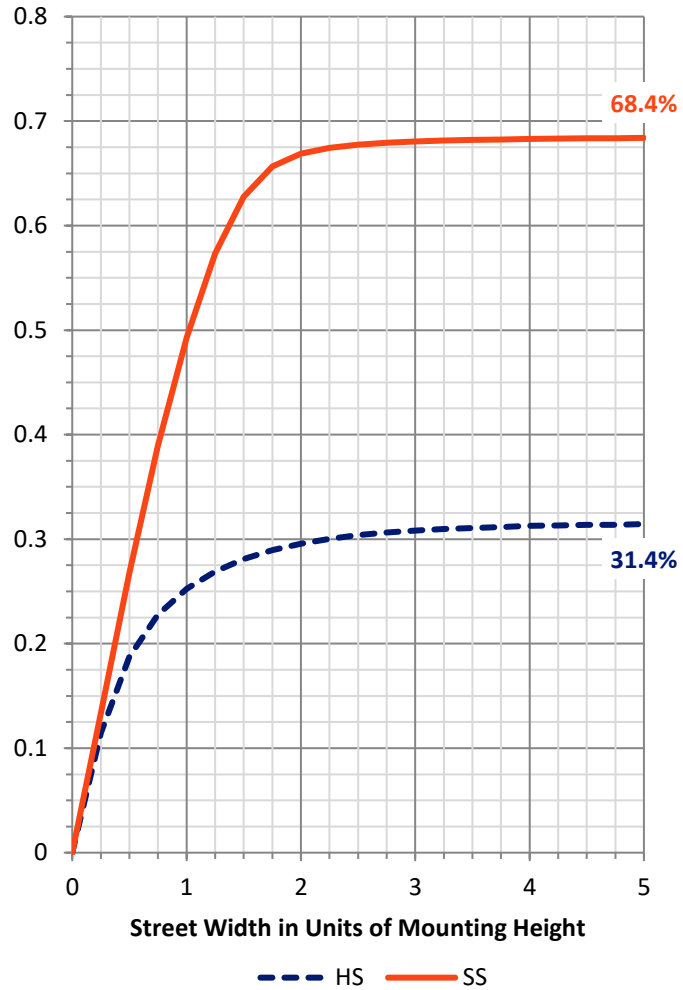
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4906.3	0.0	4906.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	10595.6	0.0	10595.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	15502.0	0.0	15502.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	1.8
10°-20°	932.6	6.0
20°-30°	1679.3	10.8
30°-40°	2536.4	16.4
40°-50°	3415.5	22.0
50°-60°	4104.2	26.5
60°-70°	1998.8	12.9
70°-80°	492.4	3.2
80°-90°	59.2	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°	15502.0	100.0
0°-180°	15502.0	100.0

Coefficient of Utilization



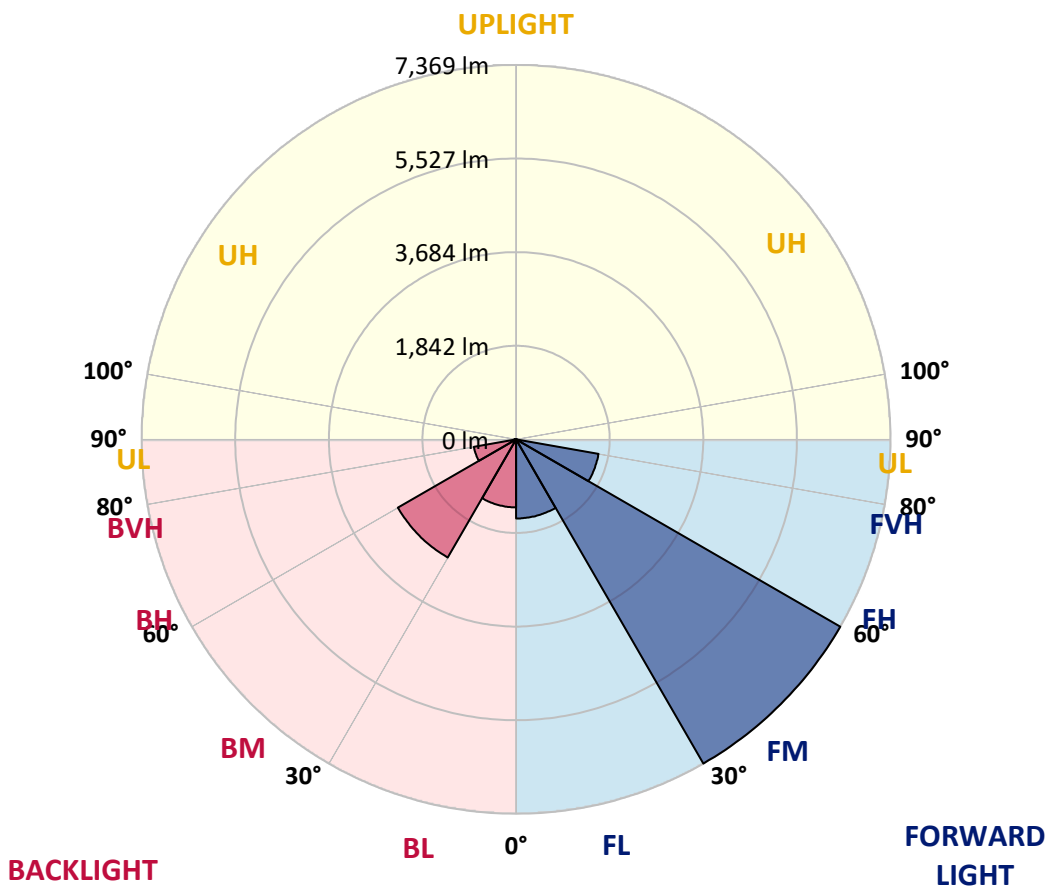
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1557.1	10.0			
FM (30°-60°)	7368.9	47.5			
FH (60°-80°)	1647.4	10.6			G1/1800
FVH (80°-90°)	22.2	0.1			G1/100
BL (0°-30°)	1338.4	8.6	B3/2500		
BM (30°-60°)	2687.2	17.3	B3/5000		
BH (60°-80°)	843.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	36.9	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°	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9
2.5°	2869.7	2868.4	2868.4	2876.2	2876.2	2878.8	2882.7	2886.6	2887.9	2881.4	2867.1
5°	2900.9	2900.9	2900.9	2907.4	2907.4	2910.0	2915.2	2916.5	2915.2	2904.8	2890.5
7.5°	2950.4	2950.4	2951.7	2959.5	2966.0	2969.9	2979.0	2977.7	2973.8	2956.9	2938.7
10°	3031.1	3035.0	3038.9	3048.0	3061.1	3070.2	3076.7	3076.7	3071.5	3045.4	3022.0
12.5°	3145.7	3150.9	3154.8	3162.6	3173.0	3188.7	3203.0	3203.0	3196.5	3163.9	3128.8
15°	3279.8	3285.0	3283.7	3286.3	3305.8	3328.0	3339.7	3347.5	3350.1	3304.5	3249.9
17.5°	3433.4	3438.6	3433.4	3425.6	3428.2	3463.4	3484.2	3512.9	3529.8	3468.6	3381.4
20°	3572.8	3567.5	3567.5	3572.8	3580.6	3623.5	3654.8	3701.7	3722.5	3648.3	3512.9
22.5°	3719.9	3731.6	3726.4	3726.4	3757.6	3829.3	3867.0	3928.2	3950.3	3854.0	3671.7
25°	3910.0	3920.4	3917.8	3920.4	3956.8	4058.4	4096.2	4209.4	4231.6	4093.6	3847.5
27.5°	4118.3	4135.2	4143.0	4140.4	4199.0	4331.8	4378.7	4536.3	4576.6	4361.8	4035.0
30°	4389.1	4407.4	4413.9	4411.3	4480.3	4661.2	4714.6	4894.3	4951.6	4679.5	4273.2
32.5°	4702.9	4721.1	4740.7	4748.5	4837.0	5021.9	5098.7	5284.9	5366.9	5046.6	4561.0
35°	5014.1	5029.7	5067.5	5128.7	5249.8	5438.6	5506.3	5689.8	5769.3	5428.1	4908.6
37.5°	5357.8	5368.2	5400.8	5485.4	5659.9	5839.6	5907.3	6083.1	6092.2	5796.6	5301.8
40°	5734.1	5734.1	5727.6	5810.9	5993.2	6174.2	6232.8	6334.3	6281.0	6080.5	5684.6
42.5°	6053.1	6047.9	6053.1	6131.2	6266.6	6413.8	6464.5	6445.0	6377.3	6297.9	6031.0
45°	6340.9	6344.8	6391.6	6451.5	6521.8	6609.1	6639.0	6528.3	6467.2	6472.4	6308.3
47.5°	6536.2	6540.1	6649.4	6749.7	6792.7	6820.0	6807.0	6653.3	6622.1	6680.7	6521.8
50°	6562.2	6583.0	6771.8	6977.5	7084.3	7088.2	7051.8	6864.3	6855.2	6921.6	6636.4
52.5°	6567.4	6588.2	6823.9	7195.0	7472.3	7530.9	7489.2	7293.9	7198.9	7132.5	6777.0
55°	6547.9	6571.3	6831.7	7340.8	7872.0	8106.4	8110.3	7834.3	7530.9	7486.6	7178.1
57.5°	5781.0	5790.1	6193.7	6969.7	7856.4	8520.4	8571.2	8196.2	7849.9	7808.2	7499.7
60°	4027.2	4063.6	4502.4	5527.1	6600.0	7770.5	7934.5	7825.2	7593.4	7290.0	6434.6
62.5°	2016.8	2048.1	2488.2	3456.9	4551.9	5476.3	5652.1	5768.0	5822.6	5497.1	4381.3
65°	868.4	891.9	1165.3	1805.9	2576.7	3023.3	3084.5	3223.8	3564.9	3180.8	2360.6
67.5°	580.7	596.3	735.6	1101.5	1518.2	1546.8	1537.7	1567.6	1641.9	1355.4	1066.4
70°	445.3	458.3	552.1	807.3	1091.1	933.6	884.1	802.0	871.1	888.0	864.5
72.5°	322.9	333.3	403.6	550.8	683.6	596.3	588.5	630.2	723.9	750.0	735.6
75°	208.3	213.5	256.5	302.1	352.8	382.8	398.4	473.9	569.0	588.5	571.6
77.5°	139.3	143.2	168.0	194.0	200.5	201.8	207.0	240.9	306.0	342.4	338.5
80°	72.9	72.9	82.0	82.0	93.7	112.0	117.2	139.3	169.3	187.5	188.8
82.5°	28.6	29.9	35.2	39.1	46.9	57.3	61.2	72.9	88.5	101.6	113.3
85°	11.7	13.0	14.3	16.9	20.8	26.0	27.3	31.2	41.7	52.1	58.6
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	3.9	5.2	6.5	11.7	15.6
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°	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9	2874.9
2.5°	2884.0	2867.1	2884.0	2889.2	2903.5	2908.7	2899.6	2898.3	2898.3	2885.3	2881.4
5°	2903.5	2887.9	2904.8	2912.6	2933.5	2946.5	2949.1	2959.5	2966.0	2960.8	2959.5
7.5°	2951.7	2932.2	2950.4	2962.1	2989.4	3010.3	3019.4	3042.8	3059.8	3057.2	3055.8
10°	3036.3	3010.3	3031.1	3050.6	3080.6	3105.3	3106.6	3119.6	3136.6	3131.4	3128.8
12.5°	3134.0	3109.2	3132.7	3152.2	3187.4	3197.8	3180.8	3175.6	3178.2	3171.7	3166.5
15°	3253.8	3218.6	3239.4	3261.6	3281.1	3269.4	3232.9	3218.6	3217.3	3208.2	3203.0
17.5°	3373.5	3329.3	3344.9	3356.6	3347.5	3311.0	3265.5	3240.7	3229.0	3210.8	3205.6
20°	3492.0	3436.0	3433.4	3424.3	3382.7	3316.3	3255.1	3205.6	3175.6	3150.9	3141.8
22.5°	3627.4	3549.3	3510.3	3468.6	3377.4	3269.4	3176.9	3106.6	3058.5	3027.2	3016.8
25°	3773.3	3662.6	3581.9	3498.5	3325.4	3169.1	3040.2	2943.9	2886.6	2852.7	2841.0
27.5°	3917.8	3765.5	3644.4	3502.4	3221.2	3024.6	2851.4	2721.2	2663.9	2636.6	2627.5
30°	4113.1	3902.2	3718.6	3451.7	3084.5	2824.1	2608.0	2476.4	2438.7	2419.2	2411.3
32.5°	4338.3	4075.3	3817.5	3344.9	2910.0	2589.7	2361.9	2270.7	2244.7	2206.9	2205.6
35°	4635.2	4322.7	3911.3	3187.4	2690.0	2338.4	2173.1	2108.0	2061.1	2001.2	1996.0
37.5°	4981.5	4631.3	3962.1	2986.8	2433.5	2131.4	2032.5	1959.5	1884.0	1804.6	1794.2
40°	5339.6	4992.0	3966.0	2749.9	2182.2	1994.7	1911.4	1816.3	1722.6	1634.0	1622.3
42.5°	5715.9	5327.9	3897.0	2476.4	1976.5	1876.2	1791.6	1671.8	1566.3	1506.4	1499.9
45°	6051.8	5598.7	3740.7	2188.7	1824.1	1777.3	1669.2	1540.3	1484.3	1441.3	1432.2
47.5°	6316.1	5778.4	3529.8	1930.9	1700.4	1675.7	1535.1	1468.7	1425.7	1386.7	1377.5
50°	6446.3	5818.7	3255.1	1721.3	1585.9	1555.9	1459.6	1408.8	1380.1	1348.9	1341.1
52.5°	6607.8	5864.3	3018.1	1545.5	1473.9	1433.5	1397.1	1356.7	1335.9	1316.3	1309.8
55°	6978.8	6036.2	2893.1	1404.9	1367.1	1348.9	1343.7	1309.8	1303.3	1290.3	1278.6
57.5°	7129.9	5925.5	2597.5	1290.3	1282.5	1285.1	1298.1	1266.9	1260.4	1244.7	1236.9
60°	5734.1	4479.0	1759.0	1191.4	1212.2	1229.1	1242.1	1210.9	1201.8	1199.2	1188.7
62.5°	3674.3	2755.1	1227.8	1098.9	1130.2	1151.0	1158.8	1128.9	1122.3	1143.2	1144.5
65°	1912.7	1501.2	996.0	1000.0	1026.0	1057.2	1072.9	1062.5	1059.8	1082.0	1083.3
67.5°	976.5	917.9	868.4	882.8	903.6	944.0	980.4	1026.0	1041.6	1044.2	1045.5
70°	832.0	806.0	781.2	790.3	812.5	834.6	869.8	891.9	865.8	859.3	856.7
72.5°	708.3	688.8	677.1	687.5	699.2	695.3	684.9	695.3	699.2	700.5	701.8
75°	550.8	536.4	527.3	528.6	528.6	514.3	494.8	483.1	470.0	459.6	459.6
77.5°	337.2	339.8	348.9	347.6	346.3	341.1	321.6	311.2	279.9	270.8	270.8
80°	192.7	196.6	205.7	208.3	208.3	201.8	182.3	170.6	156.2	149.7	148.4
82.5°	117.2	122.4	127.6	130.2	131.5	123.7	106.8	97.7	89.8	83.3	83.3
85°	61.2	63.8	69.0	70.3	66.4	58.6	49.5	45.6	37.8	36.5	36.5
87.5°	16.9	18.2	20.8	16.9	15.6	11.7	6.5	5.2	2.6	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)