

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: P639377

Luminaire Tested: GWS-SA5B-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639377
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15289.5 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

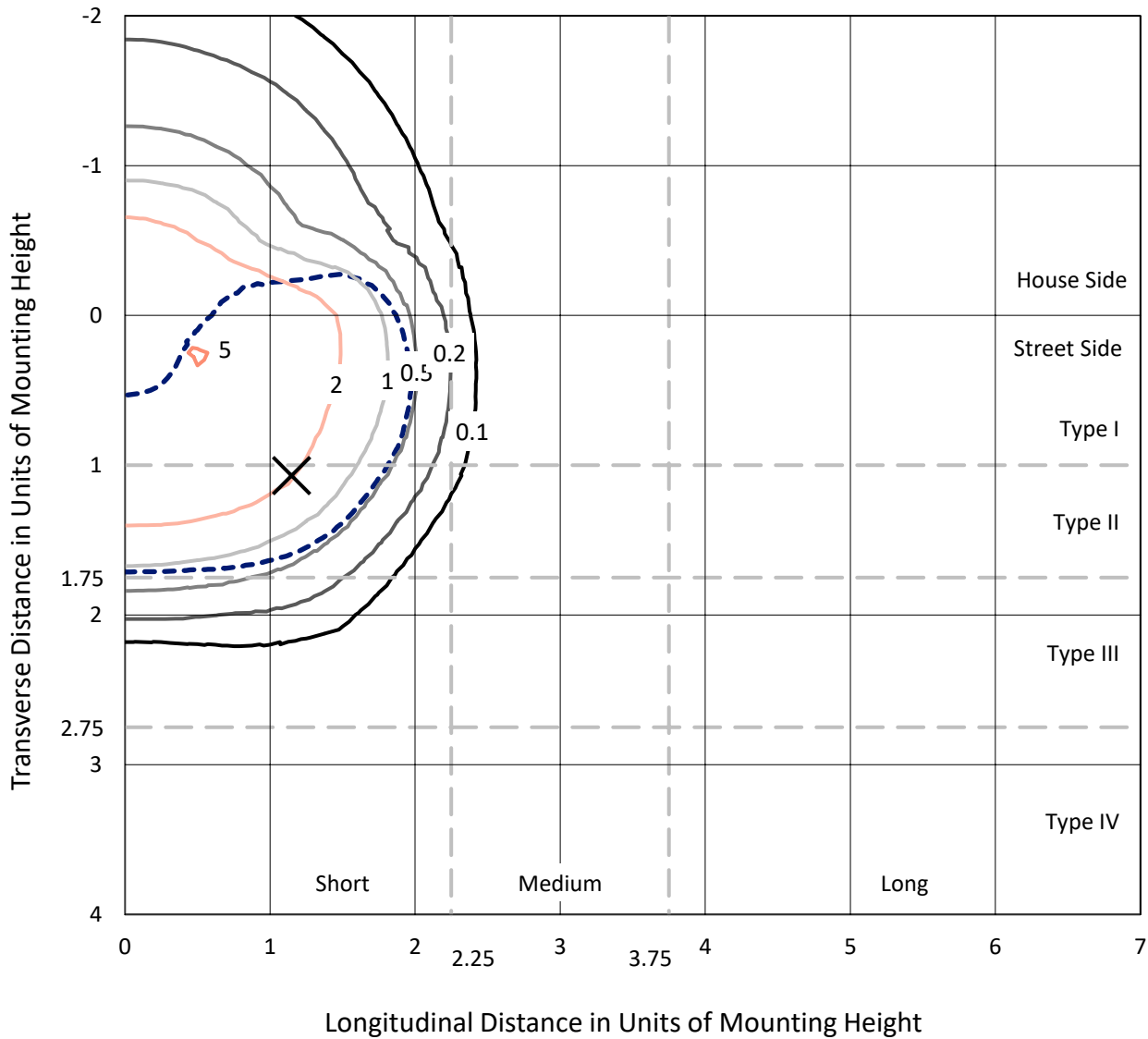
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

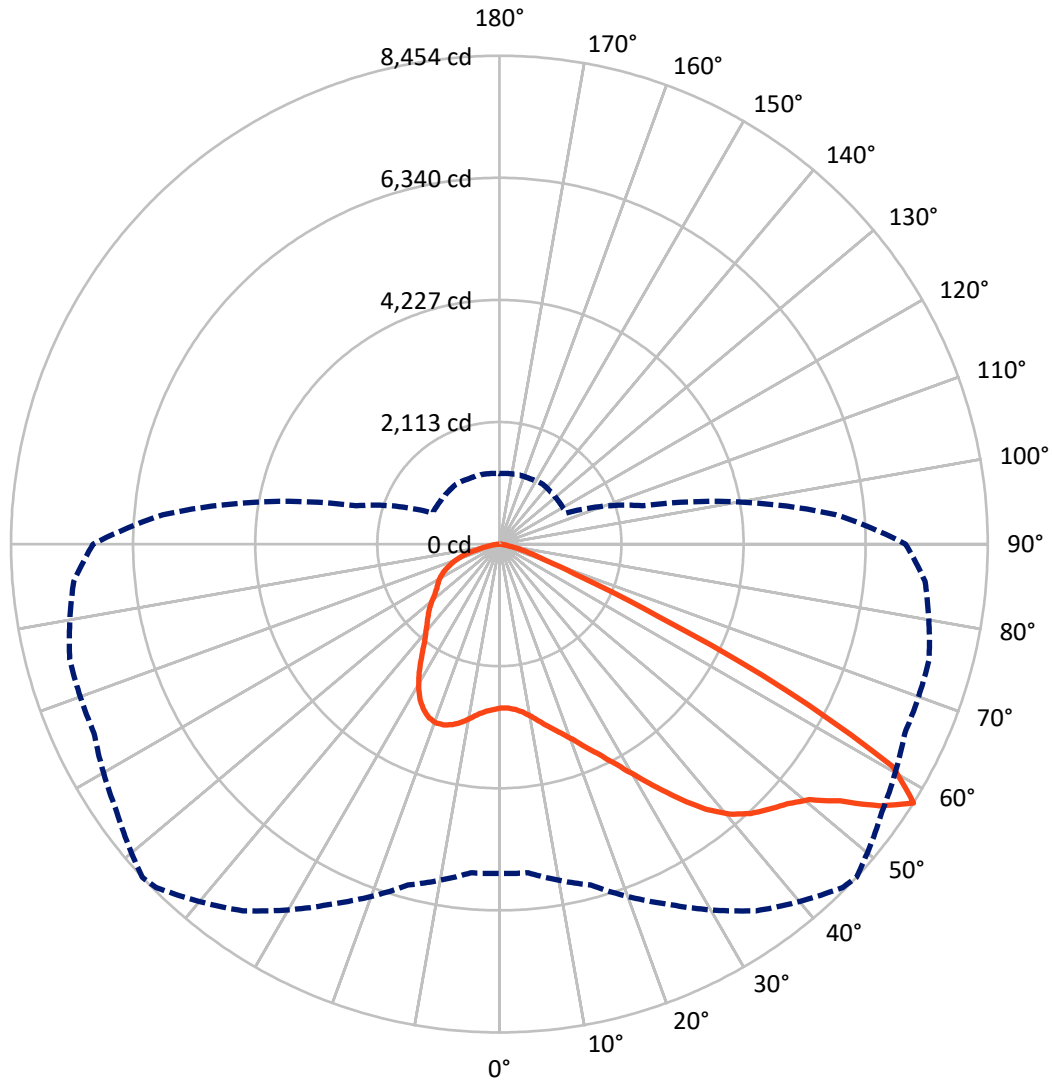
✕ Max cd
 - - - 1/2 Max cd



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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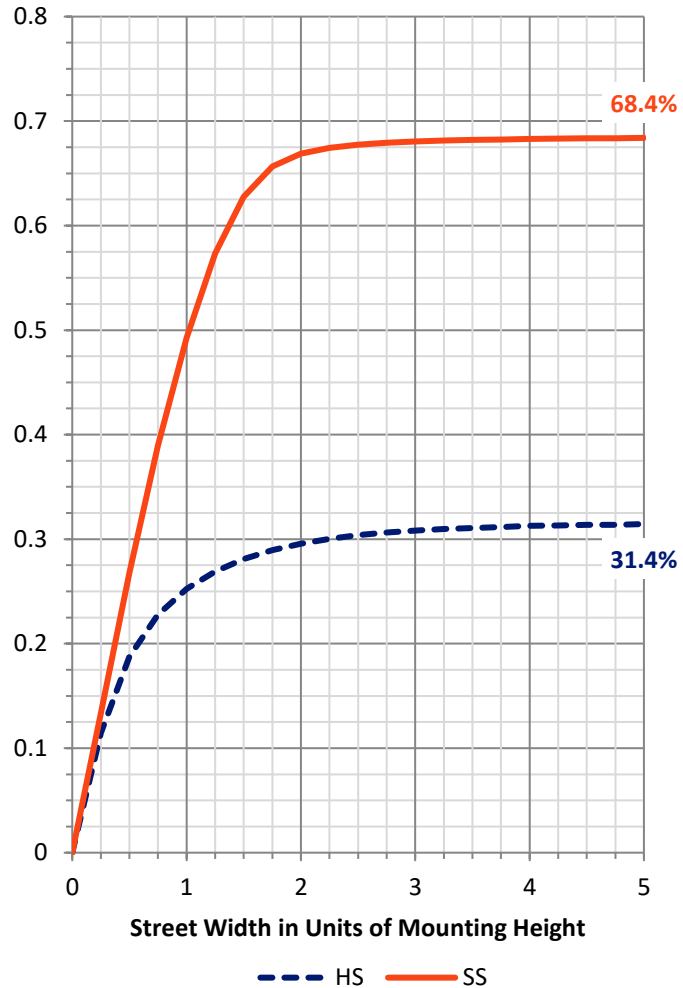
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4839.1	0.0	4839.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	10450.4	0.0	10450.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	15289.5	0.0	15289.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.7	1.8
10°-20°	919.8	6.0
20°-30°	1656.3	10.8
30°-40°	2501.6	16.4
40°-50°	3368.7	22.0
50°-60°	4048.0	26.5
60°-70°	1971.4	12.9
70°-80°	485.7	3.2
80°-90°	58.4	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°	15289.5	100.0
0°-180°	15289.5	100.0

Coefficient of Utilization



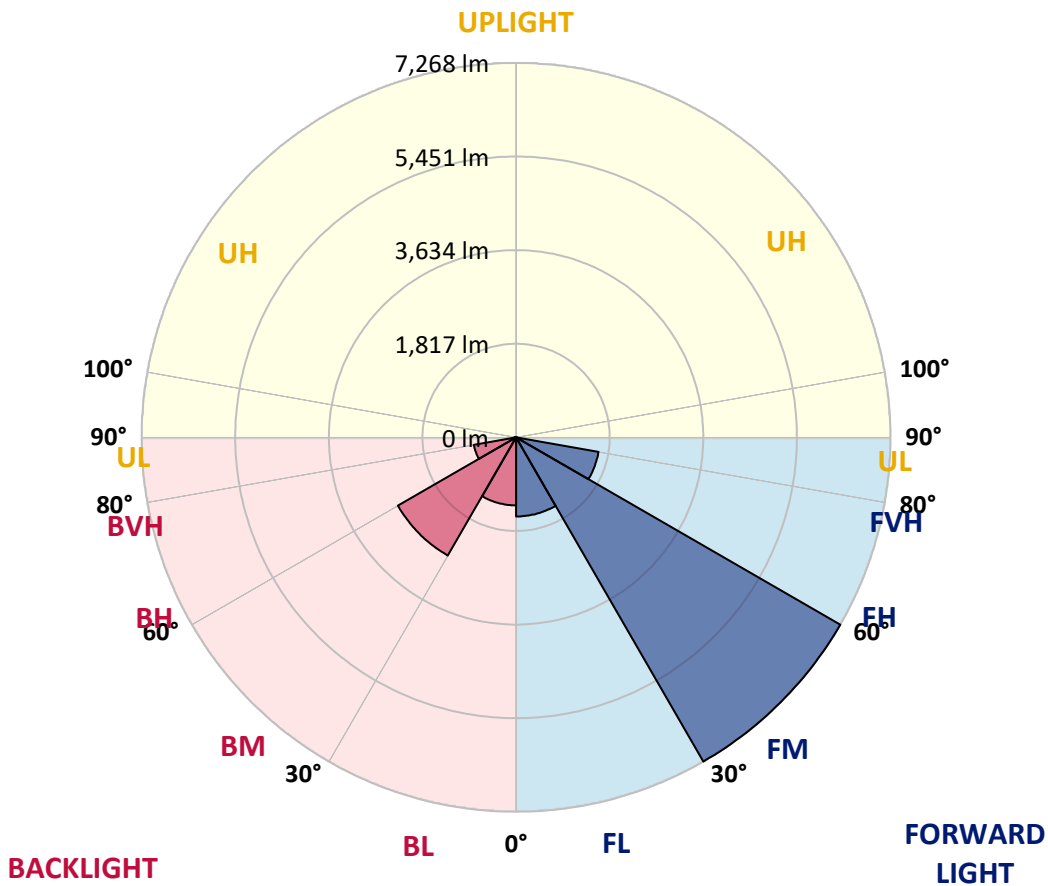
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1535.8	10.0			
FM (30°-60°)	7267.9	47.5			
FH (60°-80°)	1624.8	10.6			G1/1800
FVH (80°-90°)	21.9	0.1			G1/100
BL (0°-30°)	1320.0	8.6	B3/2500		
BM (30°-60°)	2650.3	17.3	B3/5000		
BH (60°-80°)	832.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	36.4	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°	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5
2.5°	2830.3	2829.0	2829.0	2836.7	2836.7	2839.3	2843.2	2847.0	2848.3	2841.9	2827.8
5°	2861.1	2861.1	2861.1	2867.6	2867.6	2870.1	2875.3	2876.6	2875.3	2865.0	2850.9
7.5°	2909.9	2909.9	2911.2	2918.9	2925.4	2929.2	2938.2	2936.9	2933.1	2916.4	2898.4
10°	2989.6	2993.4	2997.3	3006.3	3019.1	3028.1	3034.5	3034.5	3029.4	3003.7	2980.6
12.5°	3102.6	3107.7	3111.6	3119.3	3129.5	3144.9	3159.1	3159.1	3152.7	3120.5	3085.9
15°	3234.8	3240.0	3238.7	3241.3	3260.5	3282.4	3293.9	3301.6	3304.2	3259.2	3205.3
17.5°	3386.4	3391.5	3386.4	3378.7	3381.2	3415.9	3436.5	3464.7	3481.4	3421.0	3335.0
20°	3523.8	3518.6	3518.6	3523.8	3531.5	3573.9	3604.7	3650.9	3671.5	3598.3	3464.7
22.5°	3668.9	3680.4	3675.3	3675.3	3706.1	3776.8	3814.0	3874.4	3896.2	3801.2	3621.4
25°	3856.4	3866.7	3864.1	3866.7	3902.6	4002.8	4040.0	4151.7	4173.6	4037.4	3794.7
27.5°	4061.8	4078.5	4086.2	4083.7	4141.5	4272.5	4318.7	4474.1	4513.9	4302.0	3979.7
30°	4329.0	4346.9	4353.4	4350.8	4418.8	4597.3	4650.0	4827.2	4883.7	4615.3	4214.7
32.5°	4638.4	4656.4	4675.7	4683.4	4770.7	4953.1	5028.8	5212.5	5293.4	4977.5	4498.5
35°	4945.4	4960.8	4998.0	5058.4	5177.8	5364.0	5430.8	5611.8	5690.2	5353.7	4841.3
37.5°	5284.4	5294.7	5326.8	5410.2	5582.3	5759.5	5826.3	5999.7	6008.7	5717.2	5229.2
40°	5655.5	5655.5	5649.1	5731.3	5911.1	6089.6	6147.3	6247.5	6194.9	5997.1	5606.7
42.5°	5970.1	5965.0	5970.1	6047.2	6180.7	6325.8	6375.9	6356.7	6289.9	6211.6	5948.3
45°	6253.9	6257.8	6304.0	6363.1	6432.4	6518.5	6548.0	6438.9	6378.5	6383.6	6221.8
47.5°	6446.6	6450.4	6558.3	6657.2	6699.5	6726.5	6713.7	6562.1	6531.3	6589.1	6432.4
50°	6472.2	6492.8	6679.0	6881.9	6987.2	6991.1	6955.1	6770.2	6761.2	6826.7	6545.4
52.5°	6477.4	6497.9	6730.4	7096.4	7369.9	7427.7	7386.6	7194.0	7100.2	7034.7	6684.1
55°	6458.1	6481.2	6738.1	7240.2	7764.1	7995.3	7999.1	7726.9	7427.7	7384.0	7079.7
57.5°	5701.7	5710.7	6108.8	6874.2	7748.7	8403.6	8453.7	8083.9	7742.3	7701.2	7396.9
60°	3972.0	4007.9	4440.7	5451.3	6509.5	7664.0	7825.8	7717.9	7489.3	7190.1	6346.4
62.5°	1989.2	2020.0	2454.1	3409.5	4489.5	5401.2	5574.6	5688.9	5742.8	5421.8	4321.3
65°	856.5	879.7	1149.3	1781.2	2541.4	2981.9	3042.2	3179.6	3516.1	3137.2	2328.2
67.5°	572.7	588.2	725.6	1086.4	1497.3	1525.6	1516.6	1546.1	1619.3	1336.8	1051.7
70°	439.2	452.0	544.5	796.2	1076.1	920.8	872.0	791.1	859.1	875.8	852.7
72.5°	318.5	328.7	398.1	543.2	674.2	588.2	580.4	621.5	714.0	739.7	725.6
75°	205.5	210.6	253.0	297.9	348.0	377.5	393.0	467.4	561.2	580.4	563.8
77.5°	137.4	141.3	165.7	191.3	197.8	199.0	204.2	237.6	301.8	337.7	333.9
80°	71.9	71.9	80.9	80.9	92.5	110.4	115.6	137.4	166.9	184.9	186.2
82.5°	28.3	29.5	34.7	38.5	46.2	56.5	60.4	71.9	87.3	100.2	111.7
85°	11.6	12.8	14.1	16.7	20.5	25.7	27.0	30.8	41.1	51.4	57.8
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	3.9	5.1	6.4	11.6	15.4
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°	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5	2835.5
2.5°	2844.4	2827.8	2844.4	2849.6	2863.7	2868.8	2859.9	2858.6	2858.6	2845.7	2841.9
5°	2863.7	2848.3	2865.0	2872.7	2893.2	2906.1	2908.7	2918.9	2925.4	2920.2	2918.9
7.5°	2911.2	2892.0	2909.9	2921.5	2948.5	2969.0	2978.0	3001.1	3017.8	3015.2	3014.0
10°	2994.7	2969.0	2989.6	3008.8	3038.4	3062.8	3064.0	3076.9	3093.6	3088.4	3085.9
12.5°	3091.0	3066.6	3089.7	3109.0	3143.7	3153.9	3137.2	3132.1	3134.7	3128.3	3123.1
15°	3209.2	3174.5	3195.0	3216.9	3236.1	3224.6	3188.6	3174.5	3173.2	3164.2	3159.1
17.5°	3327.3	3283.6	3299.0	3310.6	3301.6	3265.7	3220.7	3196.3	3184.8	3166.8	3161.6
20°	3444.2	3388.9	3386.4	3377.4	3336.3	3270.8	3210.4	3161.6	3132.1	3107.7	3098.7
22.5°	3577.7	3500.7	3462.1	3421.0	3331.2	3224.6	3133.4	3064.0	3016.5	2985.7	2975.4
25°	3721.5	3612.4	3532.8	3450.6	3279.8	3125.7	2998.6	2903.5	2847.0	2813.6	2802.1
27.5°	3864.1	3713.8	3594.4	3454.4	3177.1	2983.1	2812.3	2683.9	2627.4	2600.5	2591.5
30°	4056.7	3848.7	3667.6	3404.3	3042.2	2785.4	2572.2	2442.5	2405.3	2386.0	2378.3
32.5°	4278.9	4019.5	3765.2	3299.0	2870.1	2554.2	2329.5	2239.6	2213.9	2176.7	2175.4
35°	4571.7	4263.5	3857.7	3143.7	2653.1	2306.4	2143.3	2079.1	2032.9	1973.8	1968.6
37.5°	4913.3	4567.8	3907.7	2945.9	2400.1	2102.2	2004.6	1932.7	1858.2	1779.9	1769.6
40°	5266.4	4923.5	3911.6	2712.2	2152.3	1967.4	1885.2	1791.4	1699.0	1611.6	1600.1
42.5°	5637.5	5254.8	3843.5	2442.5	1949.4	1850.5	1767.0	1648.9	1544.9	1485.8	1479.4
45°	5968.8	5522.0	3689.4	2158.7	1799.1	1752.9	1646.3	1519.2	1464.0	1421.6	1412.6
47.5°	6229.5	5699.2	3481.4	1904.4	1677.1	1652.7	1514.0	1448.6	1406.2	1367.6	1358.7
50°	6358.0	5739.0	3210.4	1697.7	1564.1	1534.6	1439.6	1389.5	1361.2	1330.4	1322.7
52.5°	6517.2	5783.9	2976.7	1524.3	1453.7	1413.9	1377.9	1338.1	1317.6	1298.3	1291.9
55°	6883.2	5953.4	2853.4	1385.6	1348.4	1330.4	1325.3	1291.9	1285.5	1272.6	1261.1
57.5°	7032.1	5844.3	2561.9	1272.6	1264.9	1267.5	1280.3	1249.5	1243.1	1227.7	1220.0
60°	5655.5	4417.6	1734.9	1175.0	1195.6	1212.3	1225.1	1194.3	1185.3	1182.7	1172.5
62.5°	3623.9	2717.3	1211.0	1083.8	1114.7	1135.2	1142.9	1113.4	1107.0	1127.5	1128.8
65°	1886.5	1480.7	982.4	986.2	1011.9	1042.8	1058.2	1047.9	1045.3	1067.1	1068.4
67.5°	963.1	905.3	856.5	870.7	891.2	931.0	967.0	1011.9	1027.3	1029.9	1031.2
70°	820.6	794.9	770.5	779.5	801.3	823.2	857.8	879.7	854.0	847.6	845.0
72.5°	698.6	679.3	667.8	678.0	689.6	685.7	675.5	685.7	689.6	690.9	692.2
75°	543.2	529.1	520.1	521.4	521.4	507.2	488.0	476.4	463.6	453.3	453.3
77.5°	332.6	335.2	344.2	342.9	341.6	336.5	317.2	306.9	276.1	267.1	267.1
80°	190.1	193.9	202.9	205.5	205.5	199.0	179.8	168.2	154.1	147.7	146.4
82.5°	115.6	120.7	125.8	128.4	129.7	122.0	105.3	96.3	88.6	82.2	82.2
85°	60.4	62.9	68.1	69.3	65.5	57.8	48.8	44.9	37.2	36.0	36.0
87.5°	16.7	18.0	20.5	16.7	15.4	11.6	6.4	5.1	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)