

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: P635091

Luminaire Tested: GWS-SA3D-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

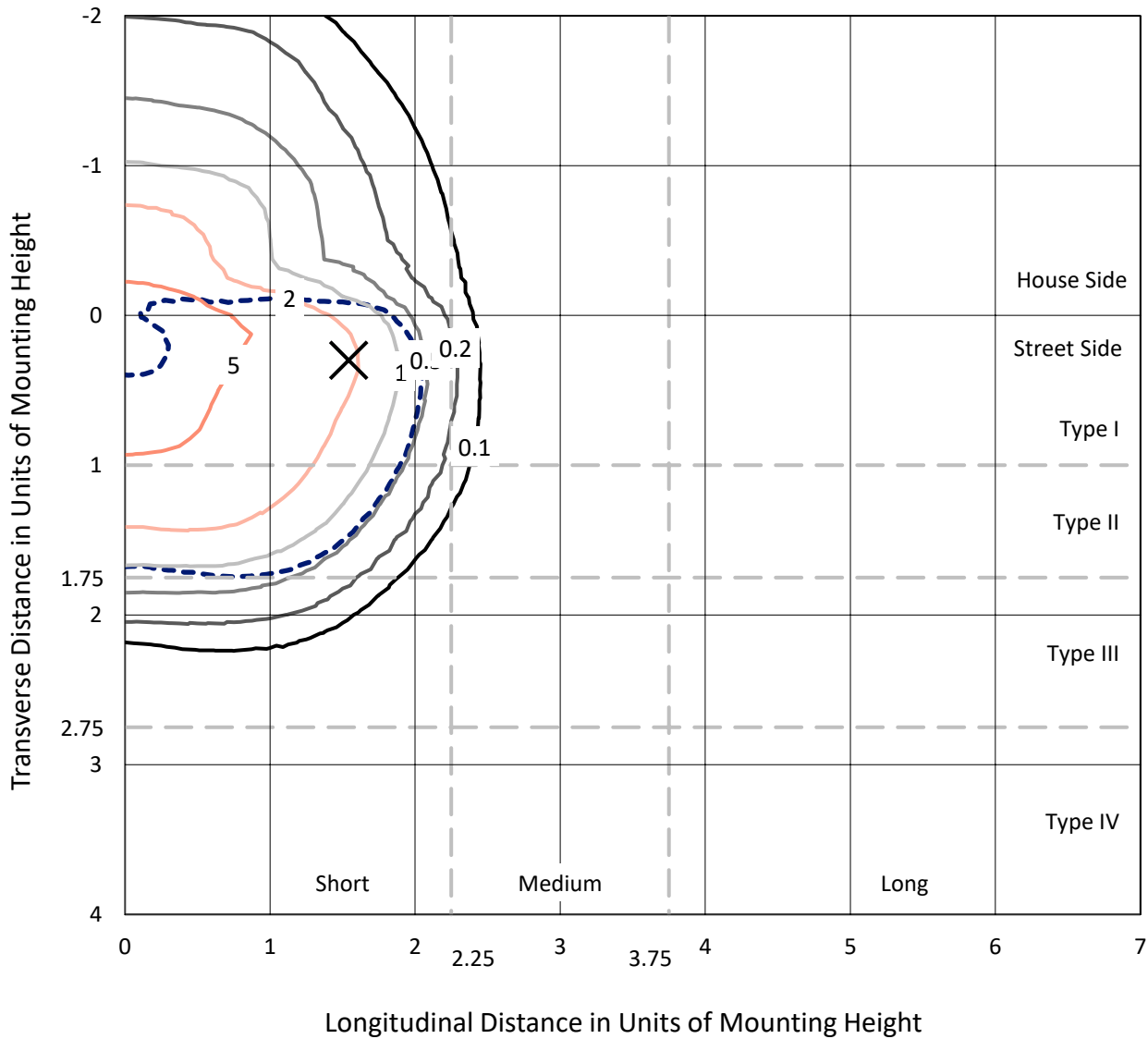
Lumens per Lamp: N/A  
Luminaire Lumens: 11364.9 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

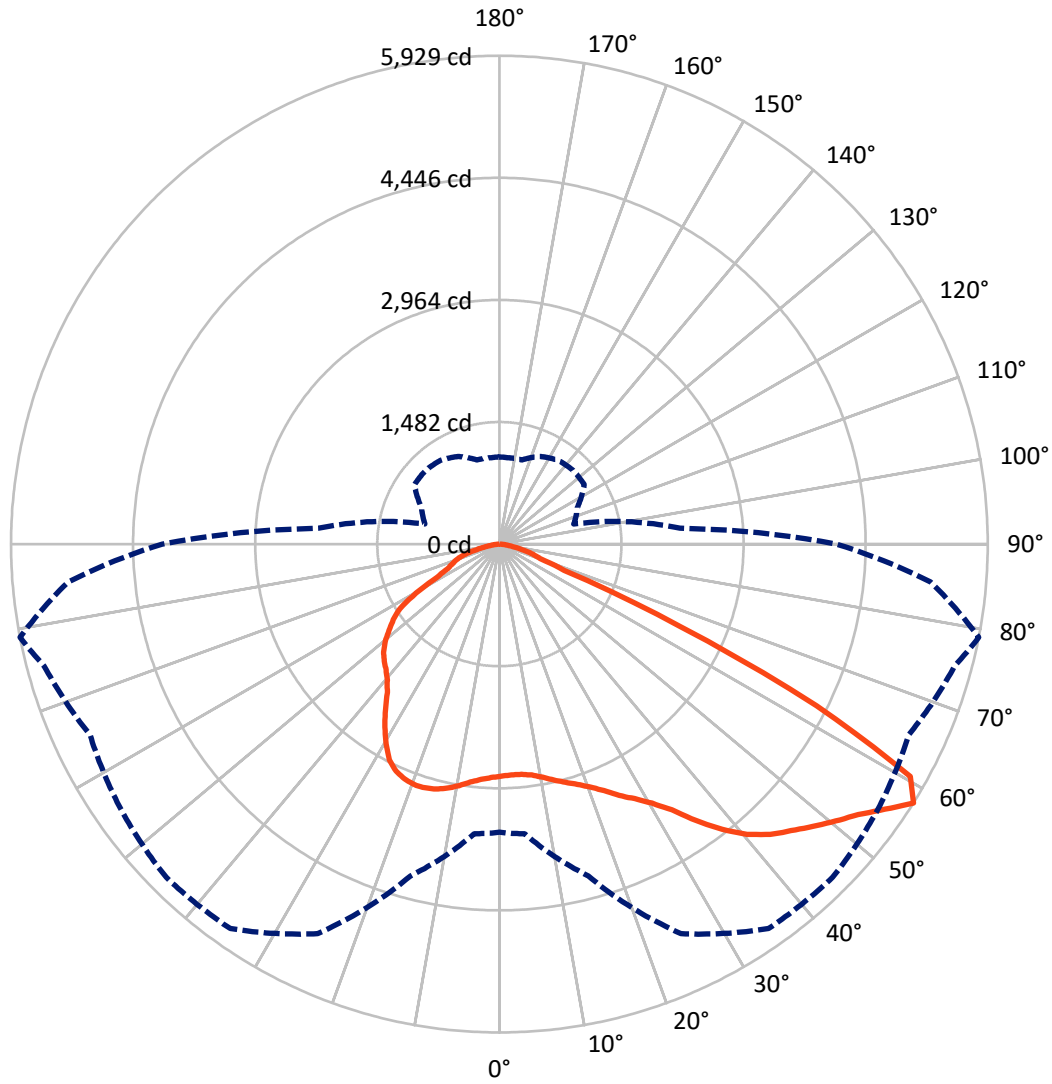
✕ Max cd  
 - - - 1/2 Max cd



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 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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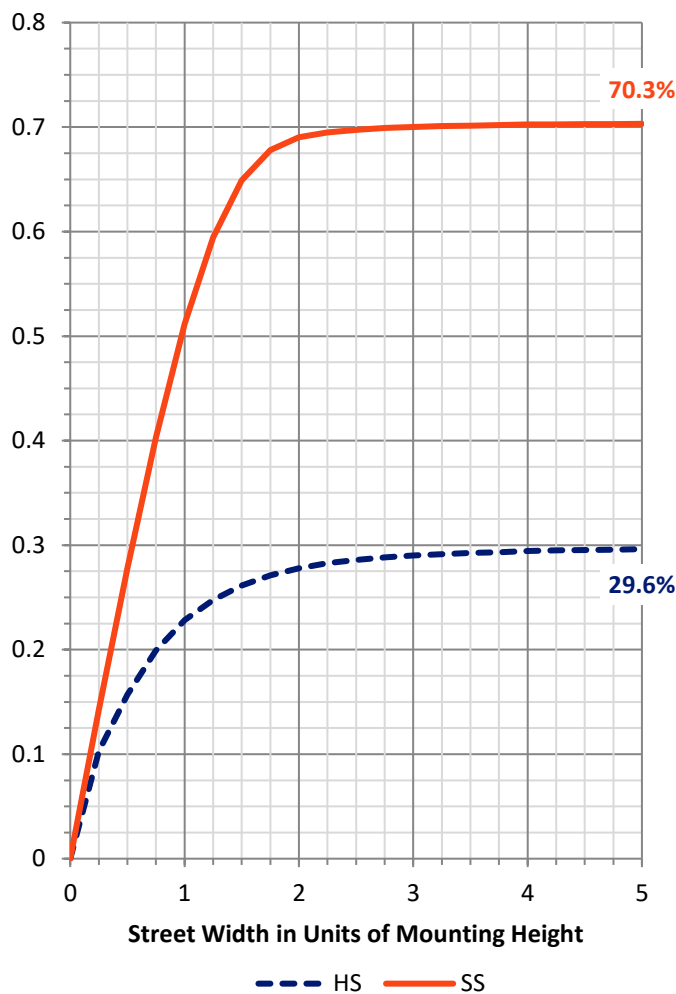
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3378.3	0.0	3378.3
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	7986.6	0.0	7986.6
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	11364.9	0.0	11364.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.8	2.3
10°-20°	724.8	6.4
20°-30°	1228.7	10.8
30°-40°	1880.6	16.5
40°-50°	2507.6	22.1
50°-60°	2896.1	25.5
60°-70°	1504.9	13.2
70°-80°	319.9	2.8
80°-90°	41.4	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°	11364.9	100.0
0°-180°	11364.9	100.0

**Coefficient of Utilization**



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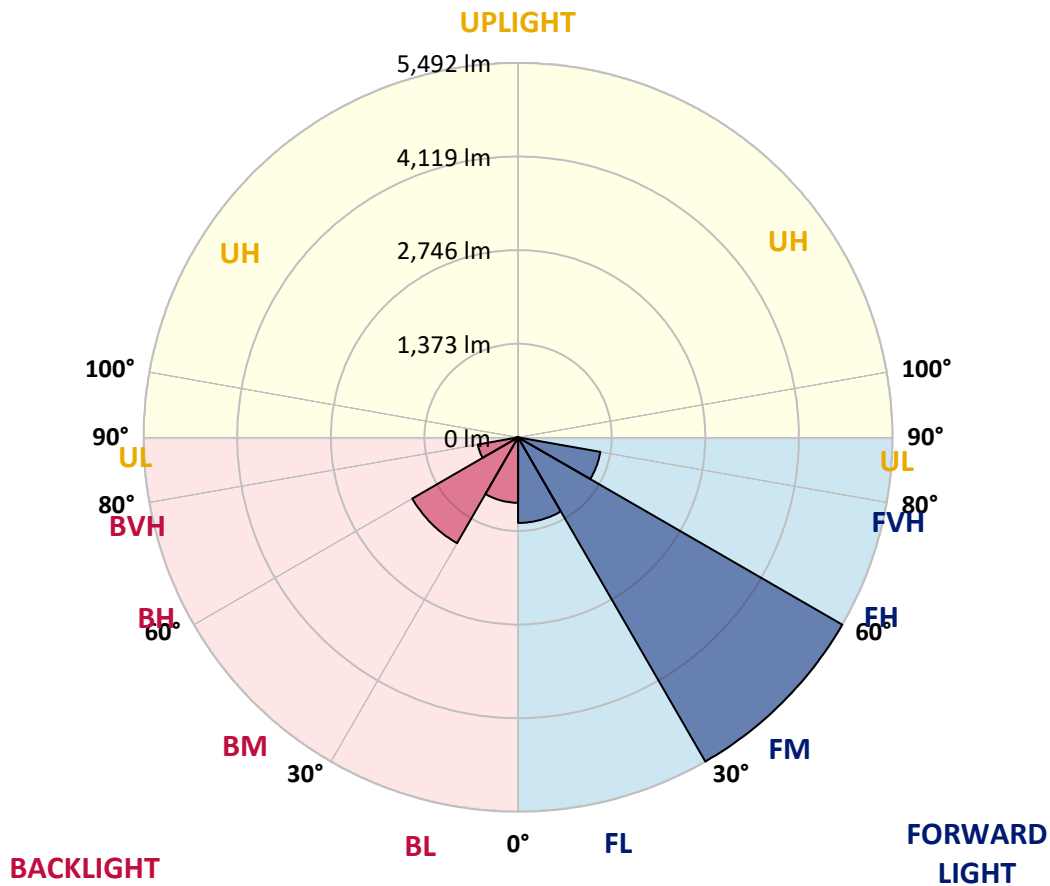
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1254.9	11.0			
FM (30°-60°)	5491.8	48.3			
FH (60°-80°)	1225.4	10.8			G1/1800
FVH (80°-90°)	14.4	0.1			G1/100
BL (0°-30°)	959.4	8.4	B2/1000		
BM (30°-60°)	1792.5	15.8	B2/2500		
BH (60°-80°)	599.4	5.3	B2/1000		G2/1000
BVH (80°-90°)	27.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5
2.5°	2688.3	2682.7	2684.5	2692.0	2719.8	2740.3	2761.7	2781.2	2799.8	2805.3	2810.0
5°	2592.5	2582.3	2585.1	2597.2	2629.7	2664.1	2702.2	2748.7	2793.3	2808.1	2827.6
7.5°	2524.7	2522.8	2527.5	2546.1	2580.5	2613.0	2662.2	2728.2	2805.3	2830.4	2864.8
10°	2434.6	2430.9	2449.4	2487.5	2544.2	2596.3	2654.8	2732.9	2840.6	2877.8	2930.8
12.5°	2363.0	2361.2	2380.7	2433.6	2506.1	2588.8	2669.7	2757.0	2888.0	2939.1	3004.2
15°	2404.8	2396.5	2397.4	2434.6	2499.6	2597.2	2706.8	2800.7	2935.4	3000.5	3084.1
17.5°	2526.6	2511.7	2500.5	2507.1	2544.2	2645.5	2763.5	2859.2	2990.3	3066.4	3168.7
20°	2694.8	2686.4	2655.7	2635.3	2643.6	2732.9	2852.7	2941.9	3061.8	3147.3	3256.9
22.5°	2920.6	2900.1	2858.3	2825.8	2800.7	2870.4	2981.0	3058.1	3161.2	3250.4	3364.7
25°	3200.3	3170.5	3104.5	3053.4	2999.5	3071.1	3169.6	3228.1	3297.8	3380.5	3489.2
27.5°	3485.5	3460.4	3387.0	3318.3	3251.4	3296.0	3413.0	3446.5	3439.1	3499.5	3592.4
30°	3789.4	3757.8	3688.1	3613.8	3527.3	3556.1	3661.2	3677.9	3598.9	3649.1	3712.3
32.5°	4110.0	4079.3	4018.9	3932.5	3834.9	3846.1	3874.9	3890.7	3815.4	3844.2	3892.5
35°	4436.1	4407.3	4346.0	4260.5	4189.0	4121.1	4048.6	4111.8	4068.2	4123.9	4120.2
37.5°	4734.4	4705.6	4667.5	4601.5	4478.9	4345.1	4177.8	4255.9	4323.7	4394.3	4382.2
40°	4936.1	4916.5	4925.8	4915.6	4757.6	4492.8	4241.0	4326.5	4511.4	4632.2	4625.7
42.5°	5109.8	5090.3	5144.2	5183.2	4997.4	4629.4	4271.7	4353.4	4631.3	4819.9	4810.6
45°	5186.9	5181.4	5270.6	5394.2	5216.7	4774.4	4350.6	4409.2	4722.3	4963.9	4928.6
47.5°	5094.9	5114.5	5290.1	5499.2	5398.8	4946.3	4512.3	4527.2	4841.3	5120.0	5020.6
50°	4911.9	4954.6	5191.6	5501.9	5531.7	5140.5	4736.3	4699.1	5001.1	5286.4	5068.9
52.5°	4645.2	4689.8	5076.4	5480.6	5607.9	5365.4	5034.5	4981.6	5202.7	5452.7	5077.3
55°	4032.8	4093.2	4812.5	5432.3	5682.2	5569.8	5370.9	5263.1	5462.9	5681.3	5160.0
57.5°	3498.5	3530.1	4169.4	5217.6	5697.1	5720.3	5610.7	5482.4	5721.2	5928.5	5252.9
60°	2567.5	2574.9	3150.1	4317.2	5240.8	5633.0	5591.2	5400.7	5598.6	5730.5	4827.3
62.5°	1450.5	1451.5	1910.5	2881.5	3914.8	4591.3	4617.3	4449.1	4282.8	4321.8	3360.1
65°	544.5	595.6	872.5	1416.1	2257.1	2710.6	2818.3	2857.4	2580.5	2408.6	1801.8
67.5°	364.3	376.3	509.2	728.5	1004.5	1159.7	1297.2	1300.9	951.5	848.4	709.9
70°	277.8	289.9	400.5	521.3	509.2	470.2	508.3	494.3	511.1	525.0	539.9
72.5°	207.2	219.3	310.4	368.0	305.7	301.1	341.0	379.1	414.4	429.3	452.5
75°	137.5	146.8	209.1	197.0	169.1	199.8	249.0	287.1	307.6	325.2	342.9
77.5°	87.3	93.9	111.5	90.1	93.9	117.1	145.0	179.3	198.9	216.5	225.8
80°	40.0	39.0	38.1	42.7	53.0	68.8	87.3	107.8	122.7	130.1	135.7
82.5°	15.8	17.7	19.5	23.2	28.8	37.2	49.2	63.2	75.3	77.1	81.8
85°	6.5	7.4	8.4	10.2	13.0	16.7	20.4	28.8	36.2	39.0	41.8
87.5°	0.0	0.0	0.0	0.0	0.9	1.9	2.8	4.6	8.4	9.3	10.2
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°	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5	2816.5
2.5°	2835.1	2823.0	2843.4	2857.4	2870.4	2856.4	2851.8	2839.7	2837.9	2837.9	2844.4
5°	2861.1	2852.7	2874.1	2882.5	2881.5	2850.9	2832.3	2808.1	2796.0	2796.0	2797.9
7.5°	2907.5	2902.9	2915.0	2902.0	2872.2	2810.0	2748.7	2697.5	2663.2	2645.5	2651.1
10°	2984.7	2979.1	2968.9	2920.6	2835.1	2705.9	2580.5	2487.5	2431.8	2400.2	2402.1
12.5°	3059.9	3050.7	3014.4	2907.5	2731.9	2526.6	2362.1	2258.0	2196.7	2159.5	2151.2
15°	3142.6	3118.5	3040.4	2840.6	2563.7	2307.3	2135.4	2022.9	1957.0	1934.6	1933.7
17.5°	3221.6	3178.9	3037.6	2721.7	2362.1	2077.8	1904.9	1835.2	1824.1	1834.3	1837.1
20°	3301.5	3232.8	3007.0	2557.2	2122.4	1849.2	1760.0	1788.8	1830.6	1858.5	1865.0
22.5°	3384.2	3277.4	2937.3	2345.4	1869.6	1694.9	1732.1	1795.3	1847.3	1884.5	1888.2
25°	3477.2	3319.2	2833.2	2086.1	1667.0	1652.2	1725.6	1792.5	1848.2	1891.0	1898.4
27.5°	3530.1	3320.1	2687.3	1819.4	1574.1	1635.4	1709.8	1773.0	1828.7	1875.2	1883.5
30°	3582.2	3295.0	2455.9	1602.9	1547.2	1615.9	1682.8	1741.4	1794.3	1839.9	1850.1
32.5°	3655.6	3271.8	2189.3	1478.4	1531.4	1597.3	1652.2	1704.2	1745.1	1765.5	1771.1
35°	3746.6	3242.1	1905.8	1424.5	1521.1	1582.5	1630.8	1658.7	1605.7	1594.6	1606.6
37.5°	3873.9	3214.2	1623.4	1401.3	1514.6	1576.9	1619.6	1548.1	1483.0	1457.0	1466.3
40°	4011.5	3198.4	1431.9	1382.7	1517.4	1582.5	1573.2	1467.2	1373.4	1318.6	1316.7
42.5°	4128.6	3174.2	1309.3	1370.6	1524.9	1603.8	1510.0	1395.7	1256.3	1223.8	1224.7
45°	4207.5	3112.9	1244.2	1357.6	1531.4	1608.5	1480.3	1297.2	1197.8	1177.3	1176.4
47.5°	4240.1	3001.4	1202.4	1337.2	1530.4	1570.4	1419.9	1256.3	1156.9	1151.3	1155.0
50°	4218.7	2818.3	1159.7	1297.2	1508.1	1530.4	1350.2	1220.1	1129.0	1159.7	1182.0
52.5°	4139.7	2581.4	1108.6	1242.4	1468.2	1484.9	1314.9	1197.8	1108.6	1149.5	1167.1
55°	4119.3	2389.0	1043.5	1170.8	1408.7	1404.1	1277.7	1186.6	1094.6	1078.8	1081.6
57.5°	4092.3	2201.3	935.7	1042.6	1258.2	1265.6	1242.4	1173.6	1058.4	1053.7	1058.4
60°	3555.2	1687.5	834.4	899.5	1033.3	1073.3	1202.4	1149.5	999.8	980.3	979.4
62.5°	2322.1	1022.1	742.5	784.3	841.9	888.3	1096.5	1079.8	935.7	923.7	932.0
65°	1248.9	728.5	675.5	700.6	732.2	767.5	908.8	961.7	845.6	802.9	803.8
67.5°	638.4	619.8	625.4	643.0	667.2	684.8	733.2	779.6	721.1	684.8	683.9
70°	546.4	561.3	569.6	579.8	595.6	592.8	597.5	605.9	601.2	583.6	582.6
72.5°	465.5	488.8	490.6	492.5	498.1	485.1	476.7	462.8	463.7	466.5	467.4
75°	354.0	376.3	381.9	379.1	384.7	368.0	356.8	342.9	326.2	323.4	325.2
77.5°	230.4	248.1	256.5	254.6	257.4	244.4	238.8	223.9	204.4	197.0	197.0
80°	139.4	149.6	156.1	158.0	160.8	151.5	142.2	129.2	120.8	112.4	112.4
82.5°	84.6	91.1	95.7	95.7	98.5	88.3	80.8	71.6	67.8	60.4	60.4
85°	42.7	47.4	49.2	48.3	46.5	38.1	35.3	30.7	28.8	25.1	25.1
87.5°	10.2	13.0	13.0	9.3	9.3	4.6	2.8	0.9	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)