

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: P635311

Luminaire Tested: GWS-SA3D-740-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635311  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

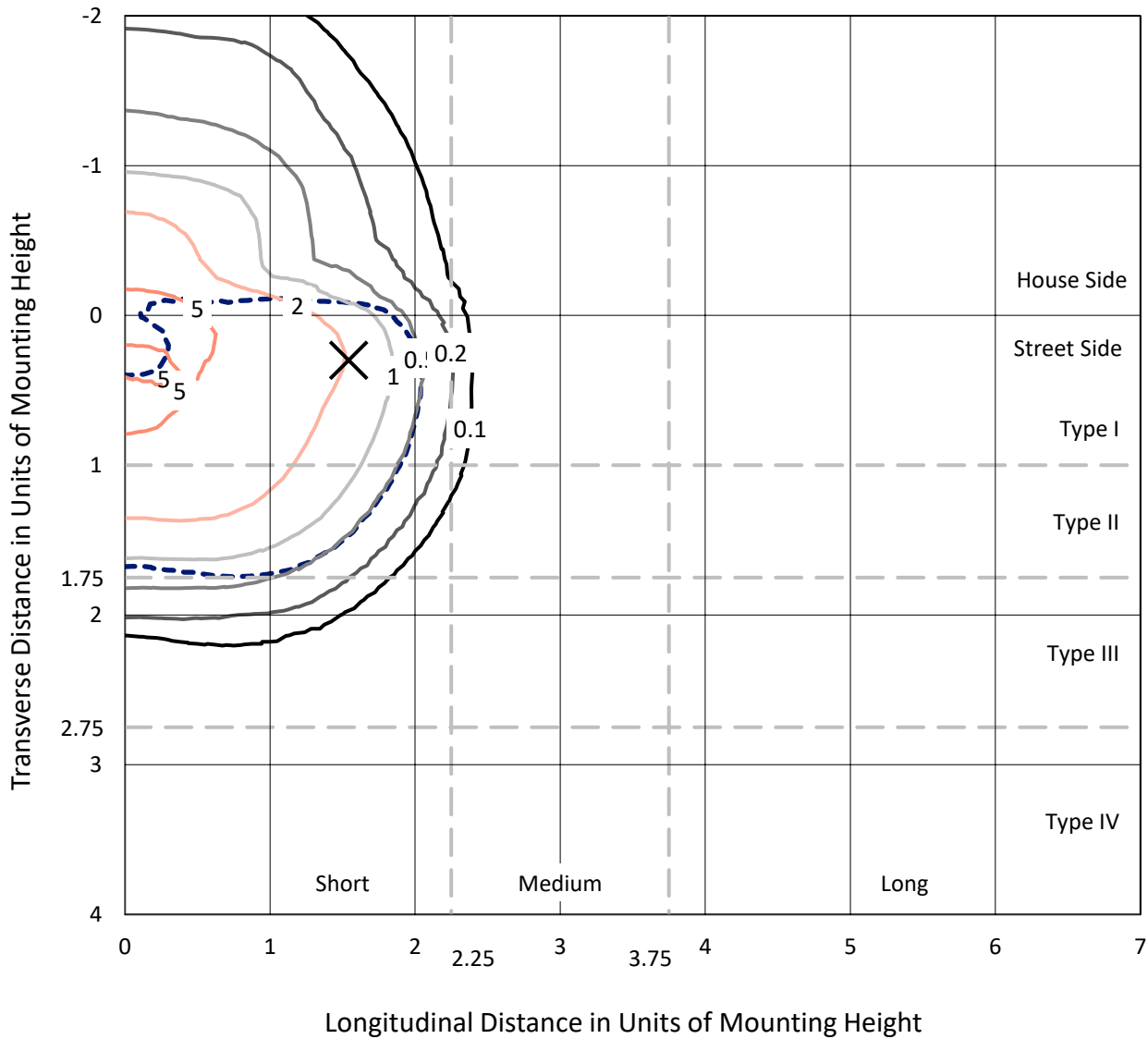
Lumens per Lamp: N/A  
Luminaire Lumens: 15428.9 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

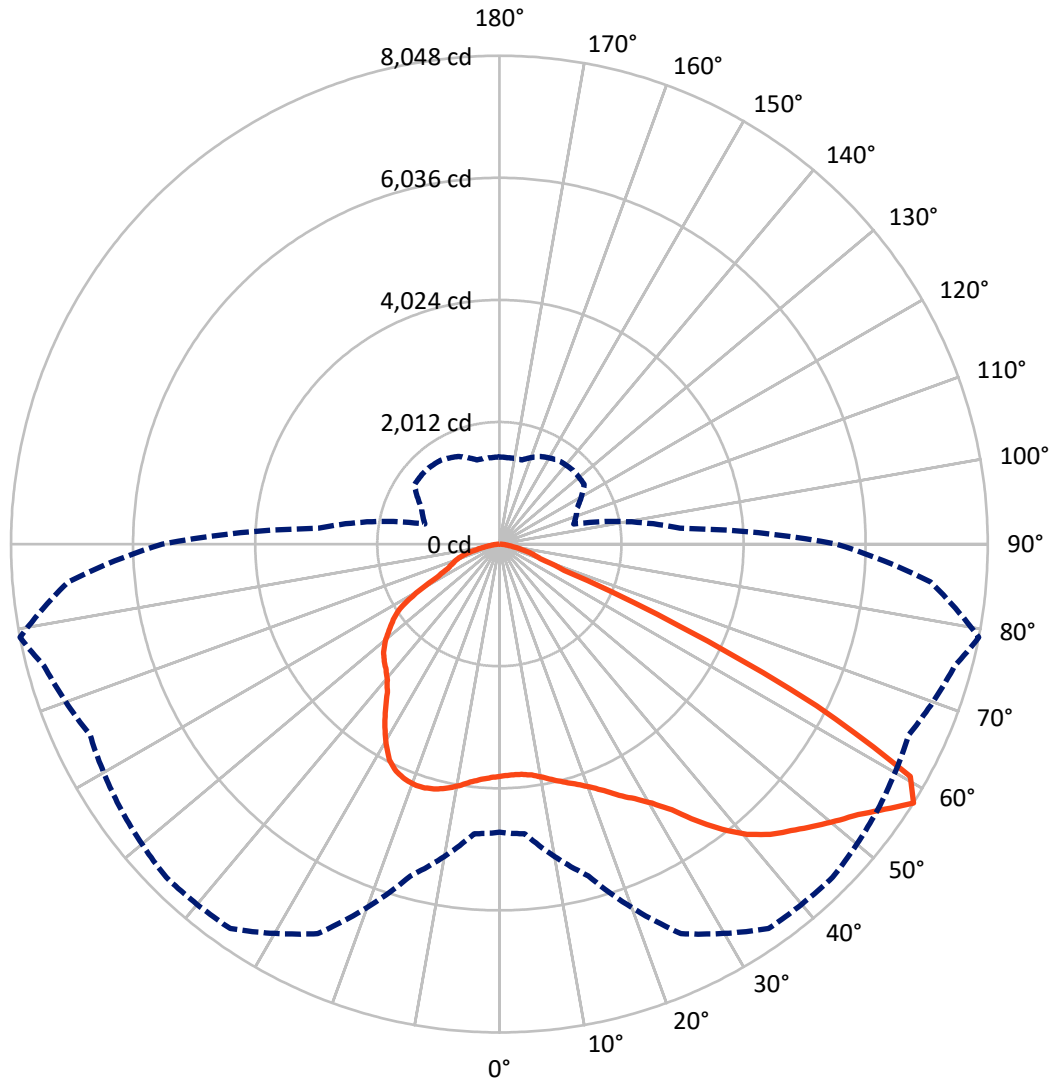
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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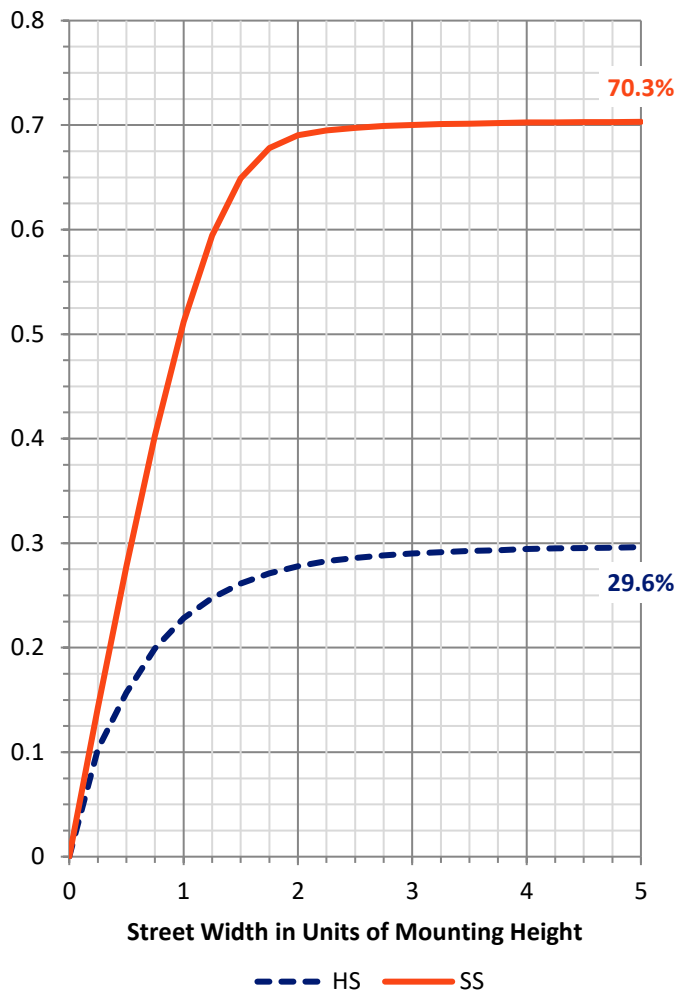
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4586.3	0.0	4586.3
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	10842.6	0.0	10842.6
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	15428.9	0.0	15428.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.1	2.3
10°-20°	984.0	6.4
20°-30°	1668.0	10.8
30°-40°	2553.1	16.5
40°-50°	3404.3	22.1
50°-60°	3931.7	25.5
60°-70°	2043.1	13.2
70°-80°	434.3	2.8
80°-90°	56.3	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°	15428.9	100.0
0°-180°	15428.9	100.0

**Coefficient of Utilization**



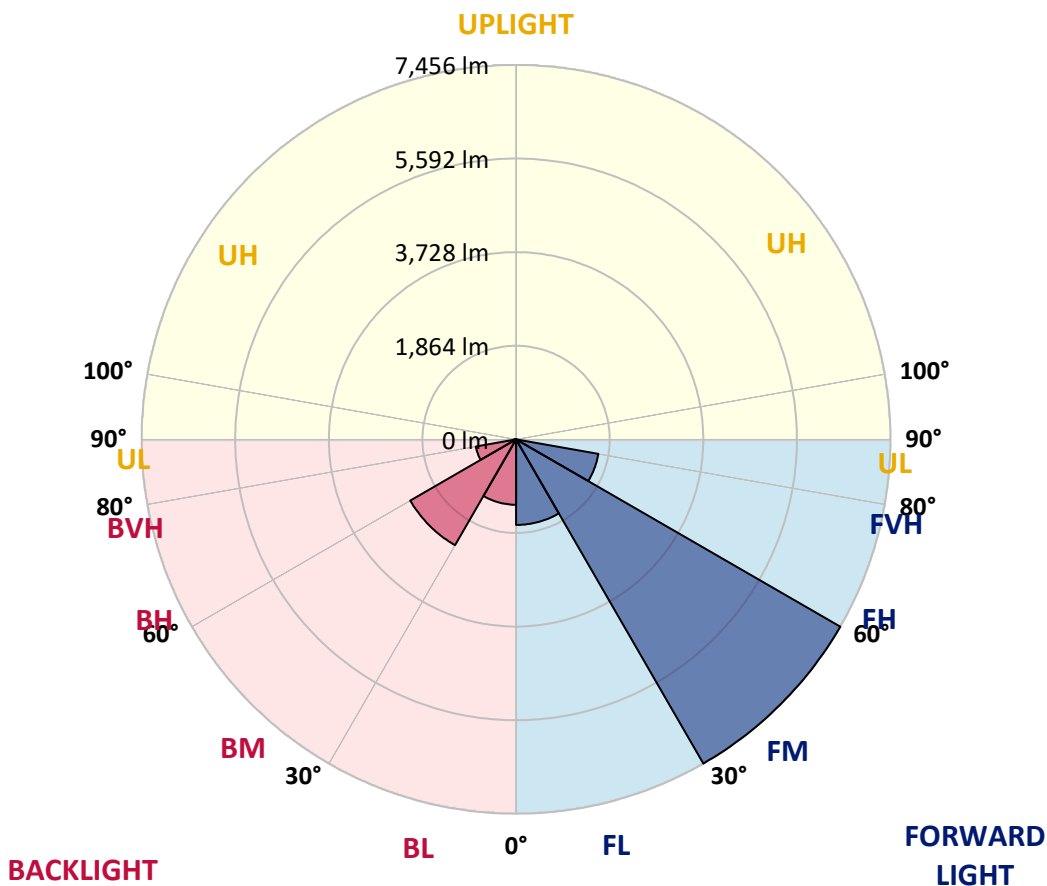
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1703.7	11.0			
FM (30°-60°)	7455.7	48.3			
FH (60°-80°)	1663.6	10.8			G1/1800
FVH (80°-90°)	19.6	0.1			G1/100
BL (0°-30°)	1302.5	8.4	B3/2500		
BM (30°-60°)	2433.5	15.8	B2/2500		
BH (60°-80°)	813.7	5.3	B2/1000		G2/1000
BVH (80°-90°)	36.6	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°	55°	65°	75°	79°	85°
0°	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6
2.5°	3649.5	3642.0	3644.5	3654.6	3692.4	3720.2	3749.2	3775.7	3800.9	3808.5	3814.8
5°	3519.6	3505.7	3509.5	3525.9	3570.1	3616.8	3668.5	3731.5	3792.1	3812.3	3838.8
7.5°	3427.5	3425.0	3431.3	3456.5	3503.2	3547.4	3614.2	3703.8	3808.5	3842.6	3889.2
10°	3305.2	3300.1	3325.3	3377.1	3454.0	3524.7	3604.1	3710.1	3856.4	3906.9	3978.8
12.5°	3208.0	3205.5	3232.0	3303.9	3402.3	3514.6	3624.3	3742.9	3920.8	3990.2	4078.5
15°	3264.8	3253.4	3254.7	3305.2	3393.5	3525.9	3674.8	3802.2	3985.1	4073.4	4187.0
17.5°	3430.0	3409.9	3394.7	3403.6	3454.0	3591.5	3751.7	3881.7	4059.5	4163.0	4301.8
20°	3658.4	3647.0	3605.4	3577.6	3589.0	3710.1	3872.8	3993.9	4156.7	4272.7	4421.6
22.5°	3964.9	3937.2	3880.4	3836.3	3802.2	3896.8	4046.9	4151.6	4291.7	4412.8	4567.9
25°	4344.6	4304.3	4214.7	4145.3	4072.2	4169.3	4303.0	4382.5	4477.1	4589.4	4737.0
27.5°	4731.9	4697.9	4598.2	4504.9	4414.0	4474.6	4633.5	4678.9	4668.9	4750.8	4877.0
30°	5144.4	5101.5	5006.9	4906.0	4788.7	4827.8	4970.4	4993.1	4885.8	4954.0	5039.7
32.5°	5579.7	5538.0	5456.0	5338.7	5206.3	5221.4	5260.5	5281.9	5179.8	5218.9	5284.5
35°	6022.5	5983.3	5900.1	5784.0	5686.9	5594.8	5496.4	5582.2	5522.9	5598.6	5593.5
37.5°	6427.4	6388.3	6336.6	6247.0	6080.5	5898.8	5671.8	5777.7	5869.8	5965.7	5949.3
40°	6701.1	6674.7	6687.3	6673.4	6458.9	6099.4	5757.5	5873.6	6124.6	6288.6	6279.8
42.5°	6937.0	6910.6	6983.7	7036.7	6784.4	6284.8	5799.2	5910.2	6287.4	6543.5	6530.8
45°	7041.8	7034.2	7155.3	7323.1	7082.1	6481.6	5906.4	5985.9	6411.0	6739.0	6691.1
47.5°	6916.9	6943.4	7181.8	7465.6	7329.4	6715.0	6125.9	6146.1	6572.5	6950.9	6815.9
50°	6668.3	6726.4	7048.1	7469.4	7509.8	6978.7	6429.9	6379.5	6789.4	7176.7	6881.5
52.5°	6306.3	6366.8	6891.6	7440.4	7613.2	7284.0	6834.9	6763.0	7063.2	7402.5	6892.9
55°	5475.0	5557.0	6533.4	7374.8	7714.1	7561.5	7291.5	7145.2	7416.4	7712.9	7005.2
57.5°	4749.6	4792.5	5660.4	7083.4	7734.3	7765.9	7617.0	7442.9	7767.1	8048.4	7131.3
60°	3485.6	3495.6	4276.5	5861.0	7114.9	7647.3	7590.5	7331.9	7600.6	7779.7	6553.5
62.5°	1969.2	1970.5	2593.7	3911.9	5314.7	6233.1	6268.4	6040.1	5814.3	5867.3	4561.6
65°	739.2	808.6	1184.6	1922.5	3064.2	3679.8	3826.2	3879.1	3503.2	3269.8	2446.1
67.5°	494.5	510.9	691.3	989.0	1363.7	1574.4	1761.1	1766.1	1291.8	1151.8	963.8
70°	377.2	393.6	543.7	707.7	691.3	638.3	690.0	671.1	693.8	712.8	732.9
72.5°	281.3	297.7	421.3	499.6	415.0	408.7	463.0	514.7	562.6	582.8	614.4
75°	186.7	199.3	283.8	267.4	229.6	271.2	338.1	389.8	417.6	441.5	465.5
77.5°	118.6	127.4	151.4	122.4	127.4	159.0	196.8	243.5	270.0	293.9	306.5
80°	54.2	53.0	51.7	58.0	71.9	93.4	118.6	146.3	166.5	176.6	184.2
82.5°	21.4	24.0	26.5	31.5	39.1	50.5	66.9	85.8	102.2	104.7	111.0
85°	8.8	10.1	11.4	13.9	17.7	22.7	27.8	39.1	49.2	53.0	56.8
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	3.8	6.3	11.4	12.6	13.9
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°	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6
2.5°	3848.9	3832.5	3860.2	3879.1	3896.8	3877.9	3871.6	3855.2	3852.7	3852.7	3861.5
5°	3884.2	3872.8	3901.9	3913.2	3911.9	3870.3	3845.1	3812.3	3795.9	3795.9	3798.4
7.5°	3947.3	3941.0	3957.4	3939.7	3899.3	3814.8	3731.5	3662.2	3615.5	3591.5	3599.1
10°	4052.0	4044.4	4030.5	3964.9	3848.9	3673.5	3503.2	3377.1	3301.4	3258.5	3261.0
12.5°	4154.2	4141.5	4092.3	3947.3	3708.8	3430.0	3206.8	3065.5	2982.2	2931.8	2920.4
15°	4266.4	4233.6	4127.7	3856.4	3480.5	3132.3	2899.0	2746.3	2656.7	2626.5	2625.2
17.5°	4373.7	4315.6	4123.9	3695.0	3206.8	2820.7	2586.1	2491.5	2476.3	2490.2	2494.0
20°	4482.1	4388.8	4082.2	3471.7	2881.3	2510.4	2389.3	2428.4	2485.2	2523.0	2531.9
22.5°	4594.4	4449.3	3987.6	3184.1	2538.2	2301.0	2351.5	2437.2	2507.9	2558.3	2563.4
25°	4720.6	4506.1	3846.3	2832.1	2263.1	2243.0	2342.6	2433.5	2509.1	2567.2	2577.3
27.5°	4792.5	4507.4	3648.3	2470.0	2137.0	2220.3	2321.2	2407.0	2482.7	2545.7	2557.1
30°	4863.1	4473.3	3334.2	2176.1	2100.4	2193.8	2284.6	2364.1	2436.0	2497.8	2511.7
32.5°	4962.8	4441.8	2972.1	2007.1	2079.0	2168.5	2243.0	2313.6	2369.1	2396.9	2404.4
35°	5086.4	4401.4	2587.4	1933.9	2065.1	2148.4	2214.0	2251.8	2179.9	2164.8	2181.2
37.5°	5259.2	4363.6	2203.9	1902.4	2056.3	2140.8	2198.8	2101.7	2013.4	1978.0	1990.7
40°	5445.9	4342.1	1944.0	1877.1	2060.0	2148.4	2135.7	1991.9	1864.5	1790.1	1787.6
42.5°	5604.9	4309.3	1777.5	1860.7	2070.1	2177.4	2050.0	1894.8	1705.6	1661.4	1662.7
45°	5712.1	4226.1	1689.2	1843.1	2079.0	2183.7	2009.6	1761.1	1626.1	1598.3	1597.1
47.5°	5756.3	4074.7	1632.4	1815.3	2077.7	2132.0	1927.6	1705.6	1570.6	1563.0	1568.1
50°	5727.3	3826.2	1574.4	1761.1	2047.4	2077.7	1833.0	1656.4	1532.7	1574.4	1604.6
52.5°	5620.0	3504.5	1505.0	1686.6	1993.2	2015.9	1785.0	1626.1	1505.0	1560.5	1584.5
55°	5592.3	3243.3	1416.7	1589.5	1912.4	1906.1	1734.6	1610.9	1486.1	1464.6	1468.4
57.5°	5555.7	2988.5	1270.3	1415.4	1708.1	1718.2	1686.6	1593.3	1436.9	1430.6	1436.9
60°	4826.5	2290.9	1132.8	1221.1	1402.8	1457.0	1632.4	1560.5	1357.4	1330.9	1329.6
62.5°	3152.5	1387.7	1007.9	1064.7	1142.9	1206.0	1488.6	1465.9	1270.3	1253.9	1265.3
65°	1695.5	989.0	917.1	951.2	994.1	1042.0	1233.8	1305.7	1148.0	1089.9	1091.2
67.5°	866.7	841.4	849.0	873.0	905.8	929.7	995.3	1058.4	978.9	929.7	928.5
70°	741.8	762.0	773.3	787.2	808.6	804.8	811.2	822.5	816.2	792.2	791.0
72.5°	632.0	663.6	666.1	668.6	676.2	658.5	647.2	628.2	629.5	633.3	634.5
75°	480.6	510.9	518.5	514.7	522.3	499.6	484.4	465.5	442.8	439.0	441.5
77.5°	312.9	336.8	348.2	345.7	349.4	331.8	324.2	304.0	277.5	267.4	267.4
80°	189.2	203.1	211.9	214.5	218.2	205.6	193.0	175.3	164.0	152.6	152.6
82.5°	114.8	123.6	129.9	129.9	133.7	119.8	109.8	97.1	92.1	82.0	82.0
85°	58.0	64.3	66.9	65.6	63.1	51.7	47.9	41.6	39.1	34.1	34.1
87.5°	13.9	17.7	17.7	12.6	12.6	6.3	3.8	1.3	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)