

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: P635256

Luminaire Tested: GWS-SA3D-735-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635256
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15217.4 lumens
Efficiency: N/A
Efficacy: 126.0 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

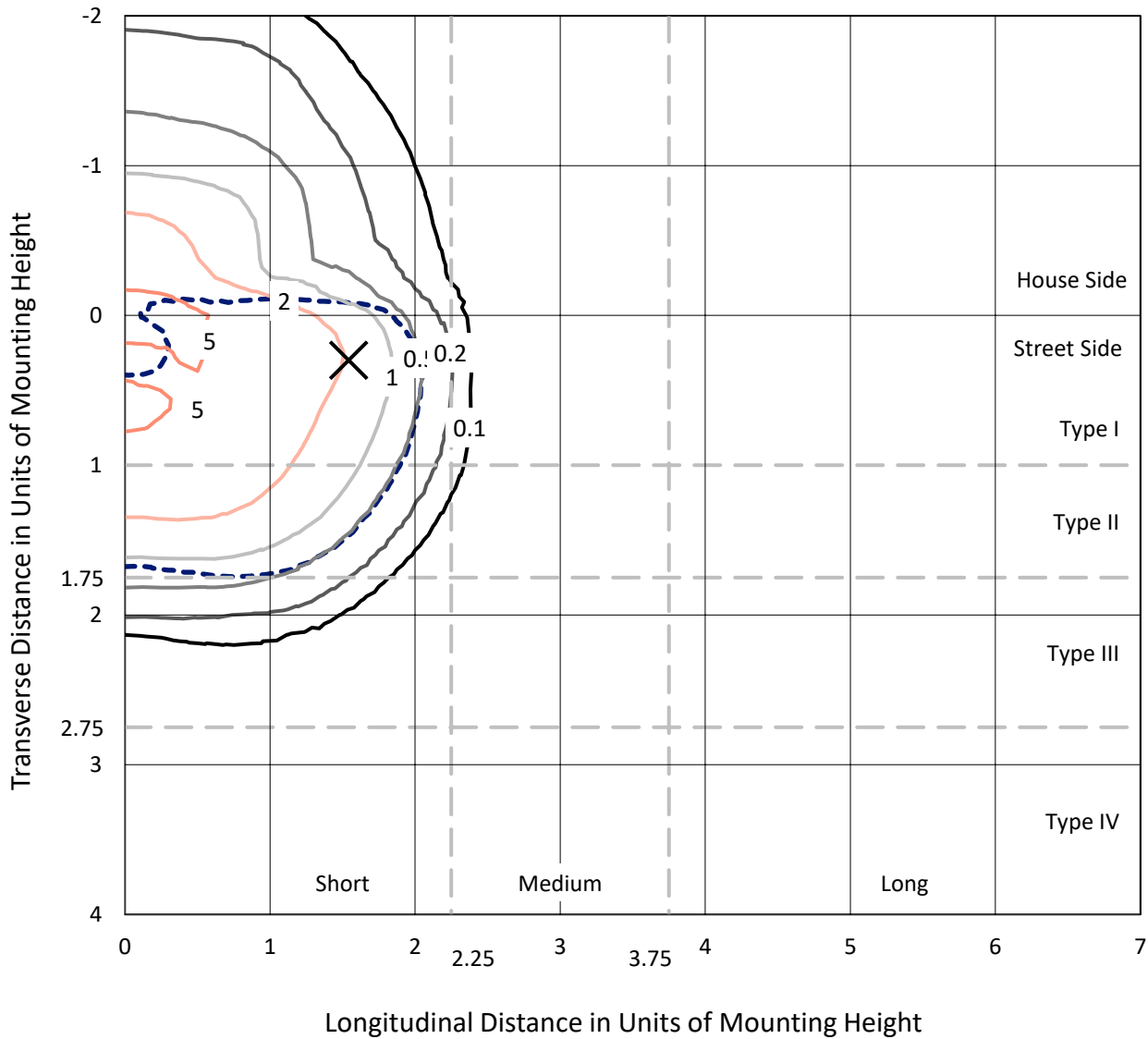
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

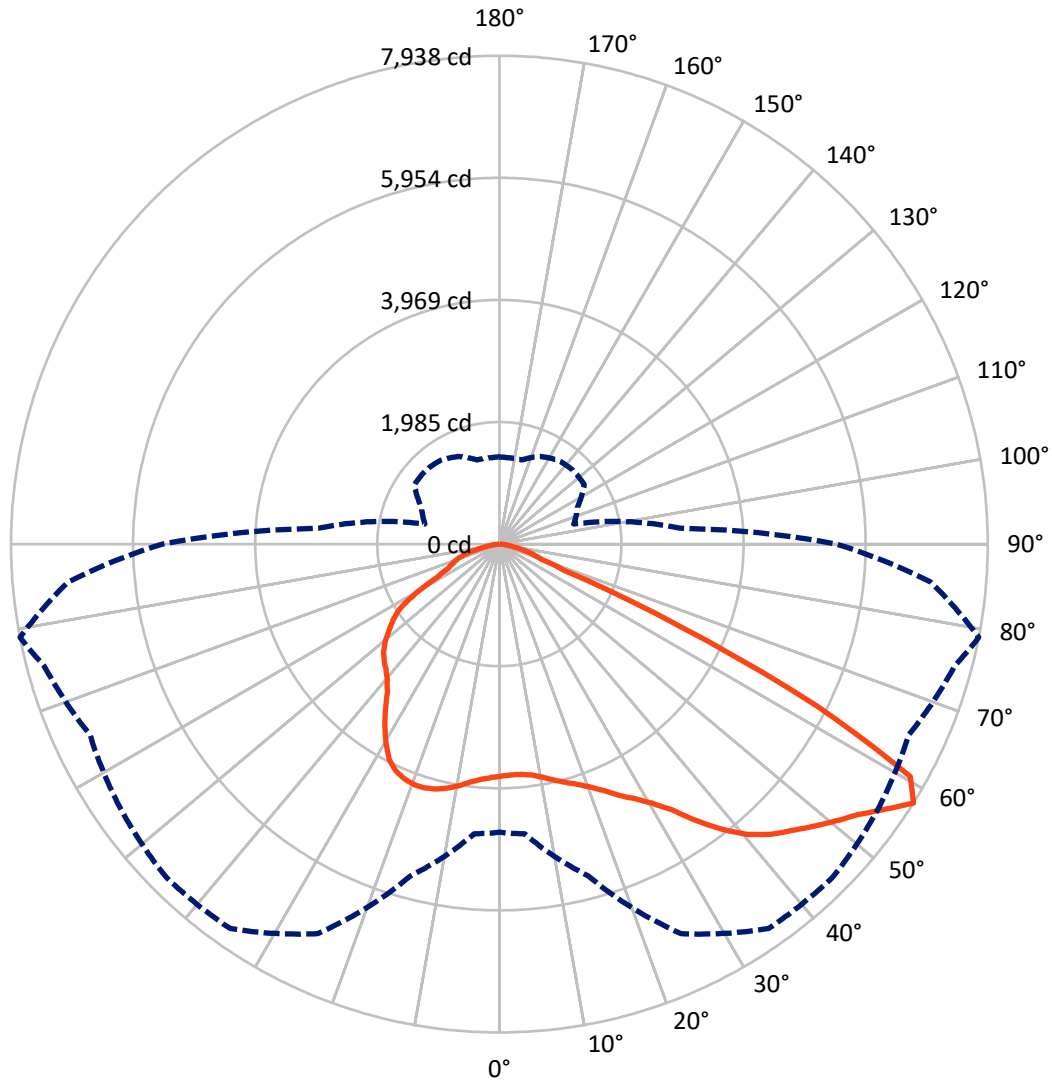
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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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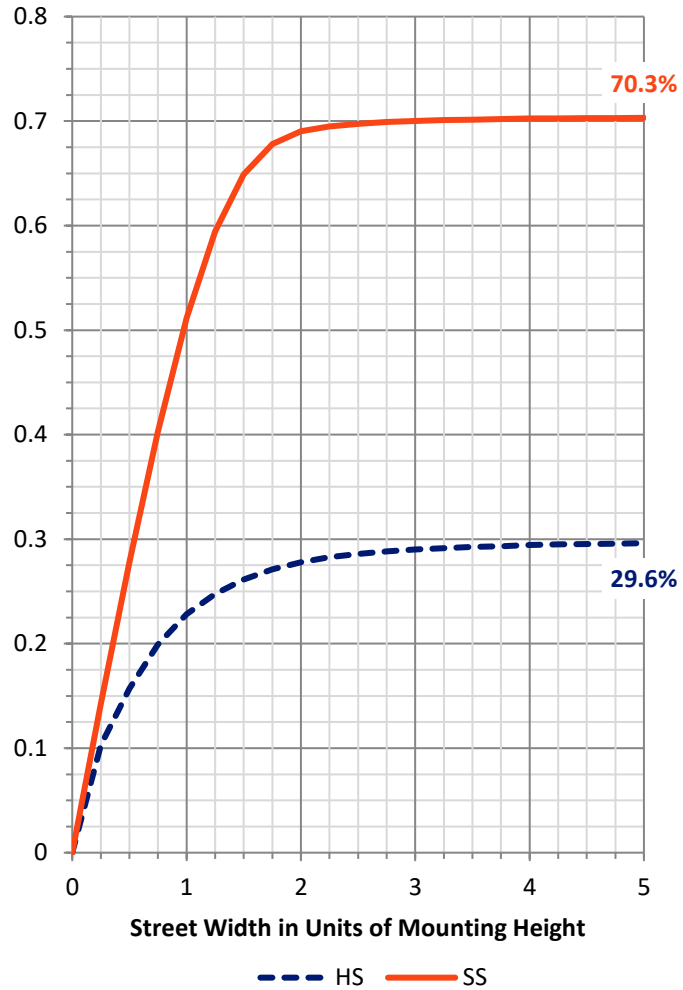
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4523.4	0.0	4523.4
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	10694.0	0.0	10694.0
	% Fixture	70.3	0.0	70.3
Total	Lumens	15217.4	0.0	15217.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.2	2.3
10°-20°	970.6	6.4
20°-30°	1645.1	10.8
30°-40°	2518.1	16.5
40°-50°	3357.7	22.1
50°-60°	3877.8	25.5
60°-70°	2015.0	13.2
70°-80°	428.3	2.8
80°-90°	55.5	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°	15217.4	100.0
0°-180°	15217.4	100.0

Coefficient of Utilization



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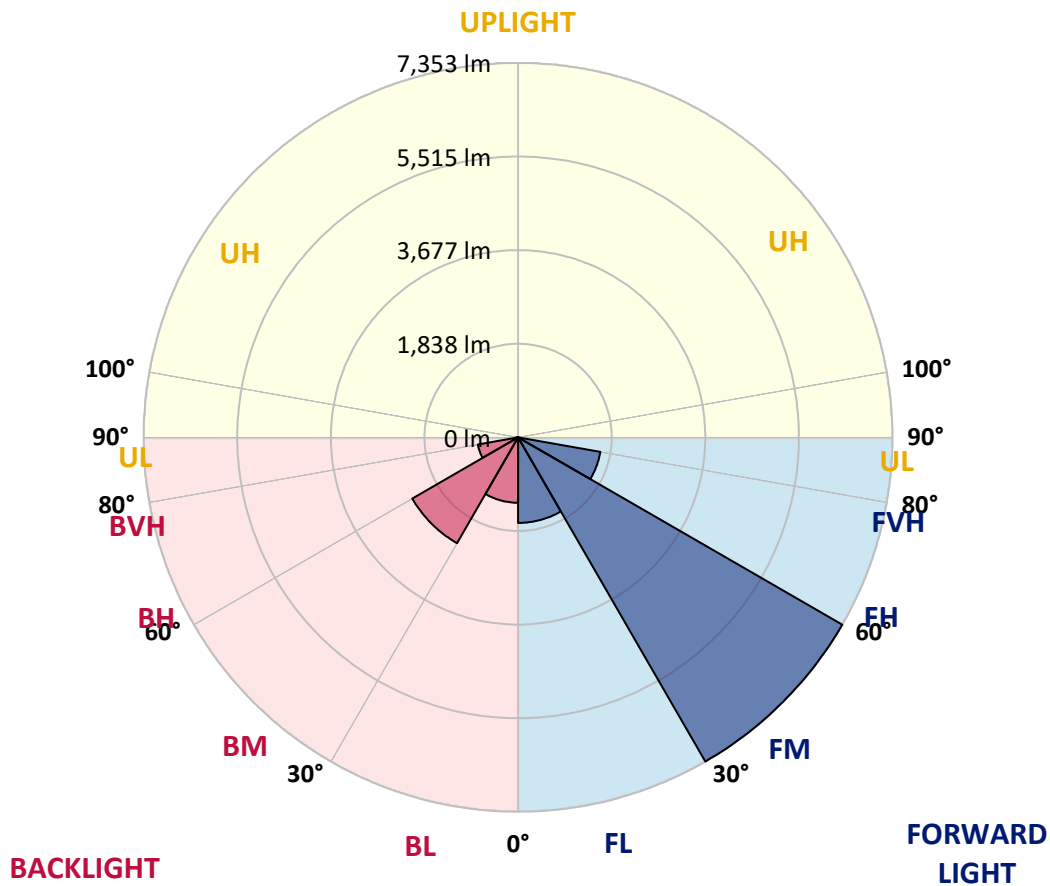
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1680.3	11.0			
FM (30°-60°)	7353.5	48.3			
FH (60°-80°)	1640.8	10.8			G1/1800
FVH (80°-90°)	19.3	0.1			G1/100
BL (0°-30°)	1284.6	8.4	B3/2500		
BM (30°-60°)	2400.1	15.8	B2/2500		
BH (60°-80°)	802.6	5.3	B2/1000		G2/1000
BVH (80°-90°)	36.1	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°	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2
2.5°	3599.5	3592.1	3594.5	3604.5	3641.8	3669.2	3697.8	3723.9	3748.8	3756.3	3762.5
5°	3471.4	3457.7	3461.4	3477.6	3521.1	3567.2	3618.2	3680.4	3740.1	3760.0	3786.2
7.5°	3380.5	3378.1	3384.3	3409.2	3455.2	3498.7	3564.7	3653.0	3756.3	3789.9	3835.9
10°	3259.9	3254.9	3279.8	3330.8	3406.7	3476.3	3554.7	3659.2	3803.6	3853.3	3924.3
12.5°	3164.0	3161.6	3187.7	3258.6	3355.7	3466.4	3574.6	3691.6	3867.0	3935.5	4022.6
15°	3220.0	3208.8	3210.1	3259.9	3346.9	3477.6	3624.4	3750.1	3930.5	4017.6	4129.6
17.5°	3383.0	3363.1	3348.2	3356.9	3406.7	3542.3	3700.3	3828.5	4003.9	4105.9	4242.8
20°	3608.2	3597.0	3556.0	3528.6	3539.8	3659.2	3819.7	3939.2	4099.7	4214.2	4361.0
22.5°	3910.6	3883.2	3827.2	3783.7	3750.1	3843.4	3991.5	4094.7	4232.8	4352.3	4505.3
25°	4285.1	4245.3	4156.9	4088.5	4016.3	4112.1	4244.0	4322.4	4415.7	4526.5	4672.0
27.5°	4667.1	4633.5	4535.2	4443.1	4353.5	4413.2	4570.0	4614.8	4604.8	4685.7	4810.1
30°	5073.9	5031.6	4938.3	4838.8	4723.1	4761.6	4902.2	4924.6	4818.9	4886.0	4970.6
32.5°	5503.2	5462.1	5381.2	5265.5	5134.9	5149.8	5188.4	5209.5	5108.8	5147.3	5212.0
35°	5939.9	5901.3	5819.2	5704.7	5608.9	5518.1	5421.1	5505.7	5447.2	5521.8	5516.9
37.5°	6339.3	6300.7	6249.7	6161.4	5997.1	5818.0	5594.0	5698.5	5789.3	5883.9	5867.7
40°	6609.3	6583.2	6595.6	6581.9	6370.4	6015.8	5678.6	5793.1	6040.7	6202.4	6193.7
42.5°	6842.0	6815.8	6888.0	6940.2	6691.4	6198.7	5719.7	5829.2	6201.2	6453.8	6441.3
45°	6945.2	6937.8	7057.2	7222.7	6985.0	6392.8	5825.4	5903.8	6323.1	6646.6	6599.3
47.5°	6822.0	6848.2	7083.3	7363.3	7228.9	6623.0	6041.9	6061.8	6482.4	6855.6	6722.5
50°	6576.9	6634.2	6951.4	7367.0	7406.8	6883.0	6341.8	6292.0	6696.4	7078.4	6787.2
52.5°	6219.8	6279.6	6797.2	7338.4	7508.9	7184.1	6741.2	6670.3	6966.4	7301.1	6798.4
55°	5399.9	5480.8	6443.8	7273.7	7608.4	7457.8	7191.6	7047.2	7314.8	7607.1	6909.1
57.5°	4684.5	4726.8	5582.8	6986.3	7628.3	7659.4	7512.6	7340.9	7660.6	7938.1	7033.6
60°	3437.8	3447.7	4217.9	5780.6	7017.4	7542.4	7486.5	7231.4	7496.4	7673.1	6463.7
62.5°	1942.2	1943.5	2558.1	3858.3	5241.9	6147.7	6182.5	5957.3	5734.6	5786.9	4499.1
65°	729.1	797.5	1168.3	1896.2	3022.2	3629.4	3773.7	3826.0	3455.2	3225.0	2412.5
67.5°	487.7	503.9	681.8	975.5	1345.0	1552.8	1736.9	1741.9	1274.1	1136.0	950.6
70°	372.0	388.2	536.3	698.0	681.8	629.6	680.6	661.9	684.3	703.0	722.9
72.5°	277.5	293.6	415.6	492.7	409.3	403.1	456.6	507.6	554.9	574.8	605.9
75°	184.1	196.6	279.9	263.8	226.4	267.5	333.5	384.5	411.8	435.5	459.1
77.5°	117.0	125.7	149.3	120.7	125.7	156.8	194.1	240.1	266.3	289.9	302.3
80°	53.5	52.3	51.0	57.2	70.9	92.1	117.0	144.3	164.2	174.2	181.7
82.5°	21.2	23.6	26.1	31.1	38.6	49.8	65.9	84.6	100.8	103.3	109.5
85°	8.7	10.0	11.2	13.7	17.4	22.4	27.4	38.6	48.5	52.3	56.0
87.5°	0.0	0.0	0.0	0.0	1.2	2.5	3.7	6.2	11.2	12.4	13.7
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°	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2	3771.2
2.5°	3796.1	3779.9	3807.3	3826.0	3843.4	3824.7	3818.5	3802.3	3799.8	3799.8	3808.6
5°	3830.9	3819.7	3848.4	3859.6	3858.3	3817.3	3792.4	3760.0	3743.9	3743.9	3746.3
7.5°	3893.2	3886.9	3903.1	3885.7	3845.9	3762.5	3680.4	3612.0	3565.9	3542.3	3549.8
10°	3996.4	3989.0	3975.3	3910.6	3796.1	3623.2	3455.2	3330.8	3256.1	3213.8	3216.3
12.5°	4097.2	4084.8	4036.2	3893.2	3658.0	3383.0	3162.8	3023.4	2941.3	2891.6	2880.4
15°	4207.9	4175.6	4071.1	3803.6	3432.8	3089.4	2859.2	2708.7	2620.3	2590.5	2589.2
17.5°	4313.7	4256.5	4067.3	3644.3	3162.8	2782.1	2550.6	2457.3	2442.4	2456.1	2459.8
20°	4420.7	4328.6	4026.3	3424.1	2841.8	2476.0	2356.5	2395.1	2451.1	2488.4	2497.1
22.5°	4531.4	4388.4	3933.0	3140.4	2503.4	2269.5	2319.2	2403.8	2473.5	2523.3	2528.3
25°	4655.9	4444.3	3793.6	2793.3	2232.1	2212.2	2310.5	2400.1	2474.7	2532.0	2541.9
27.5°	4726.8	4445.6	3598.3	2436.2	2107.7	2189.8	2289.4	2374.0	2448.6	2510.8	2522.0
30°	4796.5	4412.0	3288.5	2146.3	2071.6	2163.7	2253.3	2331.7	2402.6	2463.6	2477.2
32.5°	4894.8	4380.9	2931.4	1979.6	2050.5	2138.8	2212.2	2281.9	2336.6	2364.0	2371.5
35°	5016.7	4341.1	2551.9	1907.4	2036.8	2118.9	2183.6	2220.9	2150.0	2135.1	2151.3
37.5°	5187.1	4303.7	2173.6	1876.3	2028.1	2111.4	2168.7	2072.9	1985.8	1950.9	1963.4
40°	5371.3	4282.6	1917.3	1851.4	2031.8	2118.9	2106.5	1964.6	1839.0	1765.5	1763.1
42.5°	5528.1	4250.2	1753.1	1835.2	2041.8	2147.5	2021.9	1868.8	1682.2	1638.6	1639.9
45°	5633.8	4168.1	1666.0	1817.8	2050.5	2153.7	1982.0	1736.9	1603.8	1576.4	1575.2
47.5°	5677.4	4018.8	1610.0	1790.4	2049.2	2102.7	1901.2	1682.2	1549.1	1541.6	1546.6
50°	5648.7	3773.7	1552.8	1736.9	2019.4	2049.2	1807.8	1633.7	1511.7	1552.8	1582.6
52.5°	5543.0	3456.4	1484.4	1663.5	1965.9	1988.3	1760.6	1603.8	1484.4	1539.1	1562.7
55°	5515.6	3198.9	1397.3	1567.7	1886.2	1880.0	1710.8	1588.9	1465.7	1444.5	1448.3
57.5°	5479.5	2947.6	1252.9	1396.0	1684.7	1694.6	1663.5	1571.4	1417.2	1410.9	1417.2
60°	4760.4	2259.5	1117.3	1204.4	1383.6	1437.1	1610.0	1539.1	1338.8	1312.6	1311.4
62.5°	3109.3	1368.6	994.1	1050.1	1127.3	1189.5	1468.2	1445.8	1252.9	1236.8	1248.0
65°	1672.2	975.5	904.5	938.1	980.4	1027.7	1216.8	1287.8	1132.2	1075.0	1076.2
67.5°	854.8	829.9	837.4	861.0	893.3	917.0	981.7	1043.9	965.5	917.0	915.7
70°	731.6	751.5	762.7	776.4	797.5	793.8	800.0	811.2	805.0	781.4	780.1
72.5°	623.4	654.5	656.9	659.4	666.9	649.5	638.3	619.6	620.9	624.6	625.8
75°	474.0	503.9	511.4	507.6	515.1	492.7	477.8	459.1	436.7	433.0	435.5
77.5°	308.6	332.2	343.4	340.9	344.6	327.2	319.8	299.9	273.7	263.8	263.8
80°	186.6	200.3	209.0	211.5	215.2	202.8	190.4	172.9	161.7	150.6	150.6
82.5°	113.2	121.9	128.2	128.2	131.9	118.2	108.2	95.8	90.8	80.9	80.9
85°	57.2	63.5	65.9	64.7	62.2	51.0	47.3	41.1	38.6	33.6	33.6
87.5°	13.7	17.4	17.4	12.4	12.4	6.2	3.7	1.2	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)