

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: P635366

Luminaire Tested: GWS-SA3D-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635366
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15782.5 lumens
Efficiency: N/A
Efficacy: 130.6 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

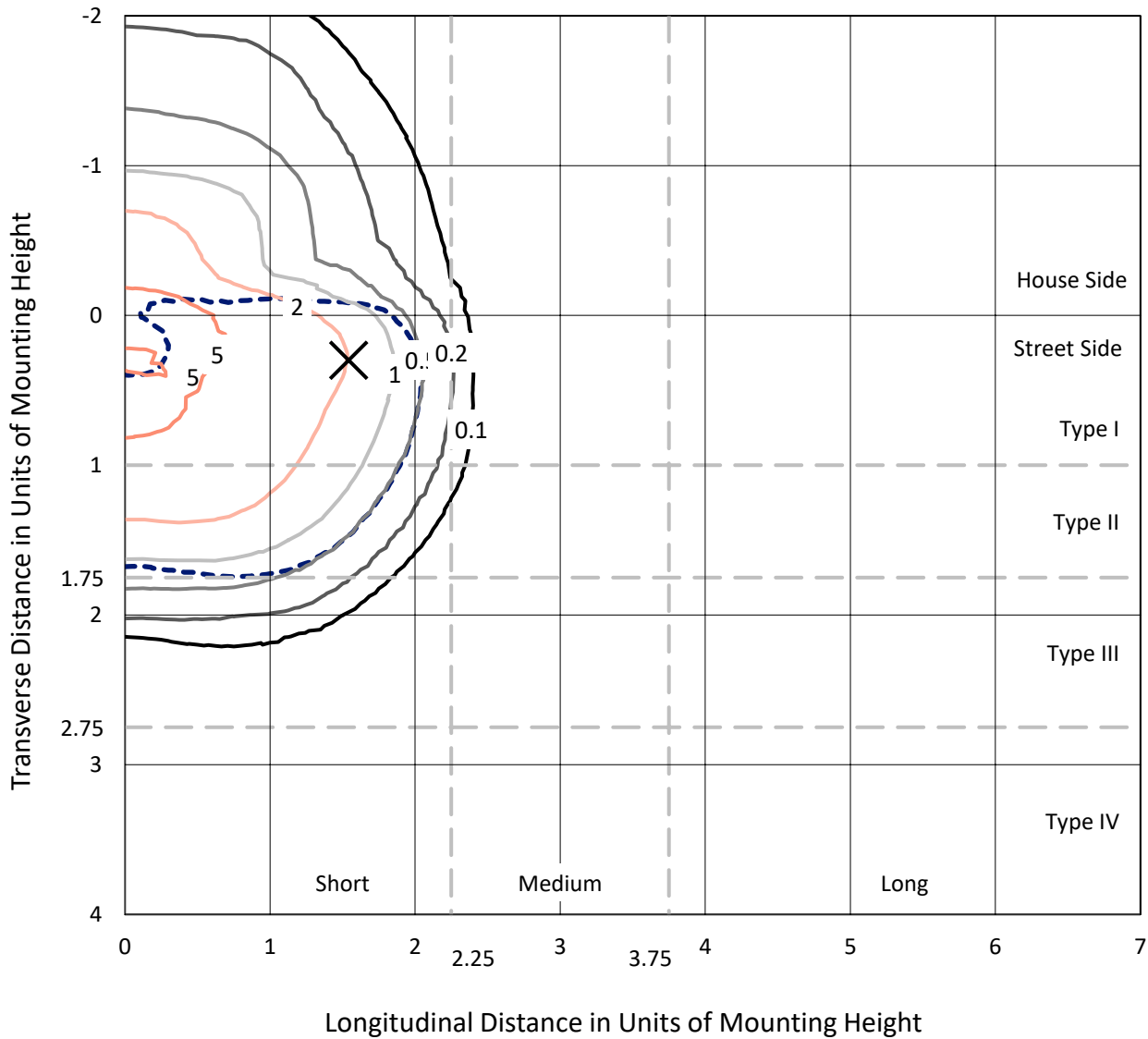
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

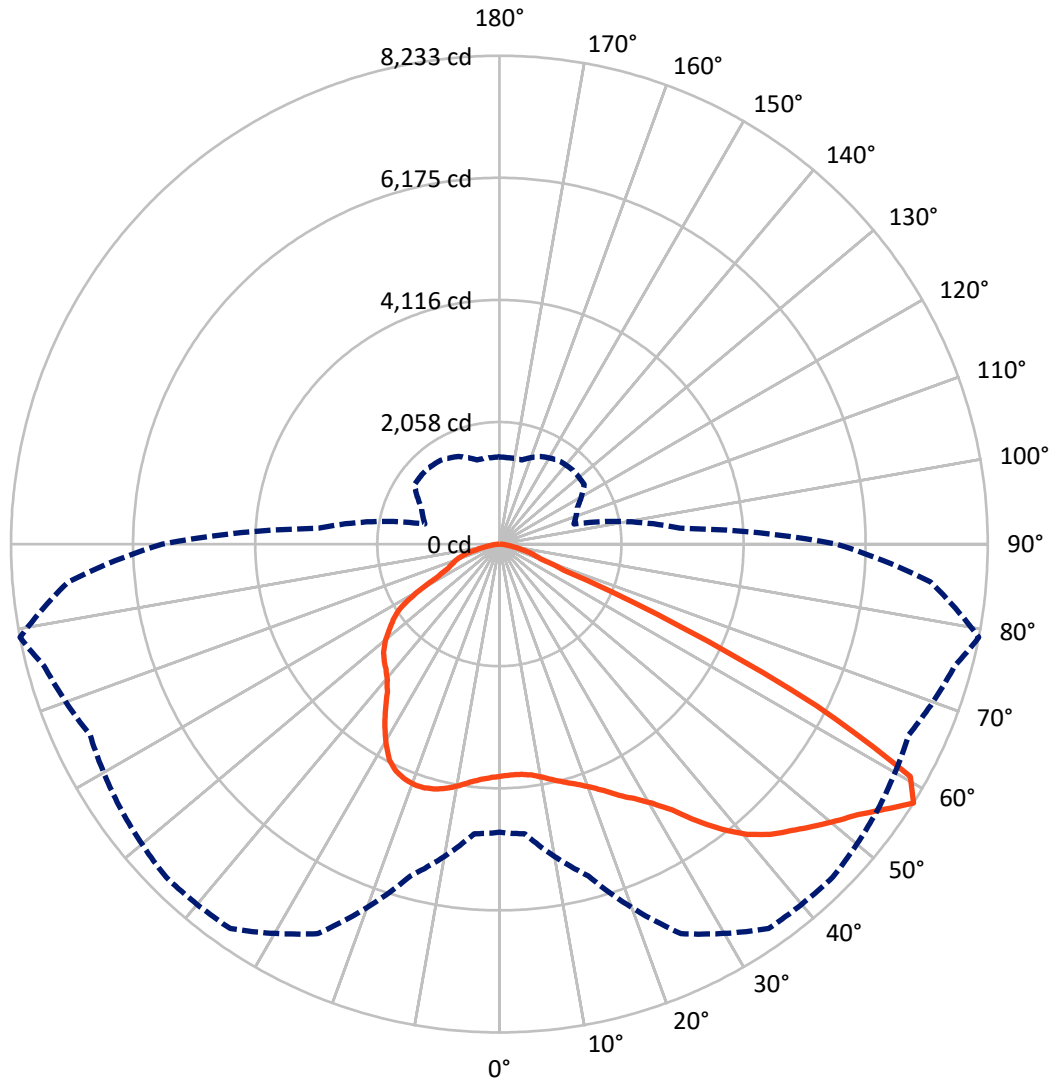
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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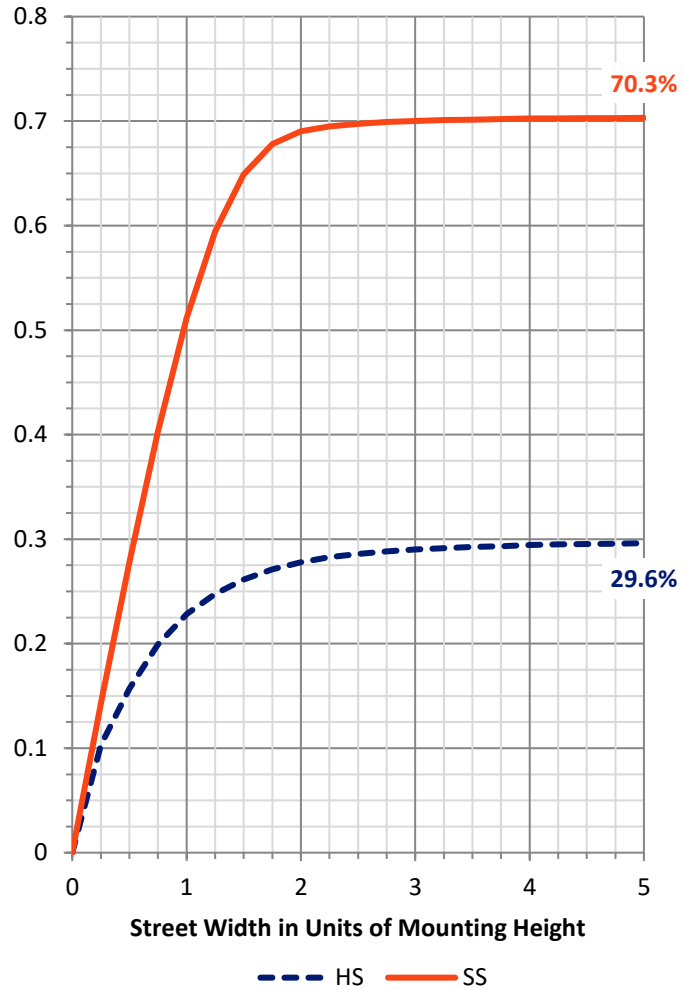
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4691.4	0.0	4691.4
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	11091.1	0.0	11091.1
	% Fixture	70.3	0.0	70.3
Total	Lumens	15782.5	0.0	15782.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.2	2.3
10°-20°	1006.6	6.4
20°-30°	1706.2	10.8
30°-40°	2611.6	16.5
40°-50°	3482.3	22.1
50°-60°	4021.8	25.5
60°-70°	2089.9	13.2
70°-80°	444.3	2.8
80°-90°	57.5	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°	15782.5	100.0
0°-180°	15782.5	100.0

Coefficient of Utilization



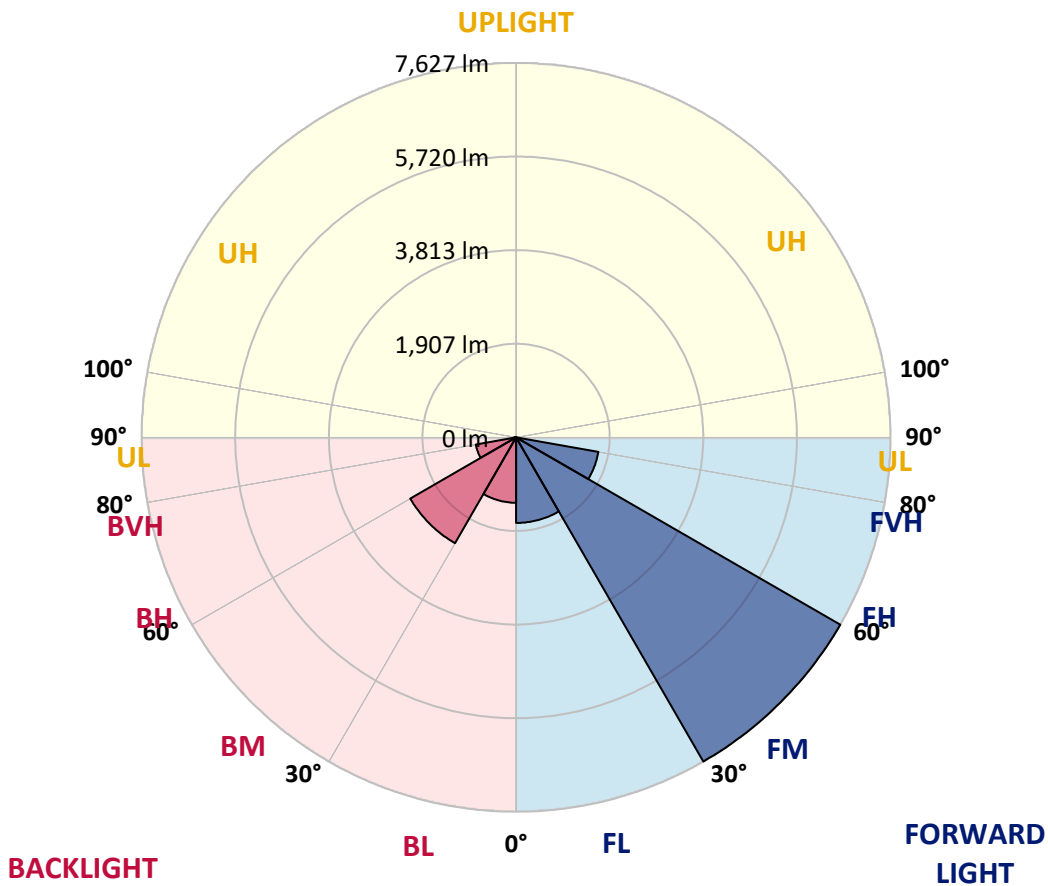
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1742.7	11.0			
FM (30°-60°)	7626.6	48.3			
FH (60°-80°)	1701.7	10.8			G1/1800
FVH (80°-90°)	20.1	0.1			G1/100
BL (0°-30°)	1332.3	8.4	B3/2500		
BM (30°-60°)	2489.2	15.8	B2/2500		
BH (60°-80°)	832.4	5.3	B2/1000		G2/1000
BVH (80°-90°)	37.5	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°	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3
2.5°	3733.2	3725.4	3728.0	3738.4	3777.1	3805.5	3835.1	3862.2	3888.0	3895.8	3902.2
5°	3600.3	3586.1	3590.0	3606.7	3651.9	3699.6	3752.5	3817.1	3879.0	3899.7	3926.8
7.5°	3506.1	3503.5	3509.9	3535.8	3583.5	3628.7	3697.1	3788.7	3895.8	3930.6	3978.4
10°	3380.9	3375.7	3401.6	3454.5	3533.2	3605.4	3686.7	3795.1	3944.8	3996.4	4070.0
12.5°	3281.5	3279.0	3306.1	3379.6	3480.3	3595.1	3707.4	3828.7	4010.6	4081.6	4171.9
15°	3339.6	3328.0	3329.3	3380.9	3471.2	3606.7	3759.0	3889.3	4076.4	4166.8	4282.9
17.5°	3508.7	3488.0	3472.5	3481.6	3533.2	3673.8	3837.7	3970.6	4152.6	4258.4	4400.3
20°	3742.2	3730.6	3688.0	3659.6	3671.2	3795.1	3961.6	4085.5	4251.9	4370.7	4522.9
22.5°	4055.8	4027.4	3969.3	3924.2	3889.3	3986.1	4139.7	4246.8	4390.0	4513.9	4672.6
25°	4444.2	4402.9	4311.3	4240.3	4165.5	4264.8	4401.6	4482.9	4579.7	4694.6	4845.5
27.5°	4840.4	4805.5	4703.6	4608.1	4515.2	4577.1	4739.7	4786.2	4775.9	4859.7	4988.8
30°	5262.3	5218.5	5121.7	5018.5	4898.4	4938.4	5084.3	5107.5	4997.8	5067.5	5155.2
32.5°	5707.5	5665.0	5581.1	5461.1	5325.6	5341.1	5381.1	5403.0	5298.5	5338.5	5405.6
35°	6160.5	6120.5	6035.3	5916.6	5817.2	5723.0	5622.4	5710.1	5649.5	5726.9	5721.7
37.5°	6574.7	6534.7	6481.8	6390.2	6219.8	6034.0	5801.7	5910.1	6004.3	6102.4	6085.6
40°	6854.7	6827.6	6840.5	6826.3	6607.0	6239.2	5889.5	6008.2	6265.0	6432.8	6423.7
42.5°	7096.0	7068.9	7143.8	7198.0	6939.9	6428.9	5932.1	6045.6	6431.5	6693.4	6680.5
45°	7203.1	7195.4	7319.3	7490.9	7244.4	6630.2	6041.8	6123.1	6557.9	6893.4	6844.4
47.5°	7075.4	7102.5	7346.4	7636.7	7497.4	6868.9	6266.3	6286.9	6723.1	7110.2	6972.1
50°	6821.2	6880.5	7209.6	7640.6	7681.9	7138.6	6577.3	6525.7	6945.0	7341.2	7039.3
52.5°	6450.8	6512.8	7049.6	7610.9	7787.7	7450.9	6991.5	6918.0	7225.1	7572.2	7050.9
55°	5600.4	5684.3	6683.1	7543.8	7890.9	7734.8	7458.6	7308.9	7586.4	7889.6	7165.7
57.5°	4858.4	4902.3	5790.1	7245.7	7911.6	7943.8	7791.6	7613.5	7945.1	8232.9	7294.8
60°	3565.4	3575.8	4374.5	5995.3	7278.0	7822.5	7764.5	7499.9	7774.8	7958.0	6703.7
62.5°	2014.3	2015.6	2653.1	4001.6	5436.5	6376.0	6412.1	6178.5	5947.6	6001.8	4666.2
65°	756.2	827.2	1211.7	1966.6	3134.4	3764.2	3913.8	3968.0	3583.5	3344.8	2502.1
67.5°	505.8	522.6	707.2	1011.7	1394.9	1610.4	1801.4	1806.6	1321.4	1178.2	985.9
70°	385.8	402.6	556.2	723.9	707.2	653.0	705.9	686.5	709.7	729.1	749.7
72.5°	287.8	304.5	431.0	511.0	424.5	418.1	473.6	526.5	575.5	596.2	628.4
75°	191.0	203.9	290.3	273.6	234.9	277.4	345.8	398.7	427.1	451.6	476.2
77.5°	121.3	130.3	154.9	125.2	130.3	162.6	201.3	249.1	276.2	300.7	313.6
80°	55.5	54.2	52.9	59.4	73.6	95.5	121.3	149.7	170.3	180.7	188.4
82.5°	21.9	24.5	27.1	32.3	40.0	51.6	68.4	87.7	104.5	107.1	113.6
85°	9.0	10.3	11.6	14.2	18.1	23.2	28.4	40.0	50.3	54.2	58.1
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	3.9	6.5	11.6	12.9	14.2
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°	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3	3911.3
2.5°	3937.1	3920.3	3948.7	3968.0	3986.1	3966.8	3960.3	3943.5	3940.9	3940.9	3950.0
5°	3973.2	3961.6	3991.3	4002.9	4001.6	3959.0	3933.2	3899.7	3882.9	3882.9	3885.5
7.5°	4037.7	4031.3	4048.1	4030.0	3988.7	3902.2	3817.1	3746.1	3698.3	3673.8	3681.6
10°	4144.8	4137.1	4122.9	4055.8	3937.1	3757.7	3583.5	3454.5	3377.0	3333.2	3335.7
12.5°	4249.4	4236.5	4186.1	4037.7	3793.8	3508.7	3280.3	3135.7	3050.6	2998.9	2987.3
15°	4364.2	4330.7	4222.3	3944.8	3560.3	3204.1	2965.4	2809.2	2717.6	2686.7	2685.4
17.5°	4473.9	4414.5	4218.4	3779.6	3280.3	2885.4	2645.4	2548.6	2533.1	2547.3	2551.2
20°	4584.9	4489.4	4175.8	3551.2	2947.3	2567.9	2444.1	2484.1	2542.1	2580.8	2589.9
22.5°	4699.7	4551.3	4079.0	3257.0	2596.3	2353.7	2405.3	2493.1	2565.4	2617.0	2622.1
25°	4828.8	4609.4	3934.5	2897.0	2315.0	2294.4	2396.3	2489.2	2566.6	2626.0	2636.3
27.5°	4902.3	4610.7	3731.9	2526.6	2186.0	2271.1	2374.4	2462.1	2539.6	2604.1	2615.7
30°	4974.6	4575.8	3410.6	2226.0	2148.6	2244.0	2337.0	2418.3	2491.8	2555.0	2569.2
32.5°	5076.5	4543.6	3040.2	2053.1	2126.6	2218.2	2294.4	2366.6	2423.4	2451.8	2459.5
35°	5203.0	4502.3	2646.7	1978.2	2112.4	2197.6	2264.7	2303.4	2229.8	2214.4	2231.1
37.5°	5379.8	4463.6	2254.4	1946.0	2103.4	2189.8	2249.2	2149.8	2059.5	2023.4	2036.3
40°	5570.8	4441.6	1988.5	1920.1	2107.3	2197.6	2184.7	2037.6	1907.2	1831.1	1828.5
42.5°	5733.3	4408.1	1818.2	1903.4	2117.6	2227.3	2096.9	1938.2	1744.7	1699.5	1700.8
45°	5843.0	4322.9	1727.9	1885.3	2126.6	2233.7	2055.6	1801.4	1663.4	1635.0	1633.7
47.5°	5888.2	4168.1	1669.8	1856.9	2125.3	2180.8	1971.8	1744.7	1606.6	1598.8	1604.0
50°	5858.5	3913.8	1610.4	1801.4	2094.4	2125.3	1875.0	1694.3	1567.9	1610.4	1641.4
52.5°	5748.8	3584.8	1539.5	1725.3	2038.9	2062.1	1825.9	1663.4	1539.5	1596.3	1620.8
55°	5720.4	3317.7	1449.1	1625.9	1956.3	1949.8	1774.3	1647.9	1520.1	1498.2	1502.1
57.5°	5683.0	3057.0	1299.5	1447.9	1747.2	1757.6	1725.3	1629.8	1469.8	1463.3	1469.8
60°	4937.2	2343.4	1158.8	1249.1	1434.9	1490.4	1669.8	1596.3	1388.5	1361.4	1360.1
62.5°	3224.8	1419.5	1031.0	1089.1	1169.1	1233.6	1522.7	1499.5	1299.5	1282.7	1294.3
65°	1734.3	1011.7	938.1	973.0	1016.9	1065.9	1262.0	1335.6	1174.3	1114.9	1116.2
67.5°	886.5	860.7	868.5	893.0	926.5	951.0	1018.1	1082.7	1001.4	951.0	949.8
70°	758.8	779.4	791.0	805.2	827.2	823.3	829.7	841.4	834.9	810.4	809.1
72.5°	646.5	678.8	681.3	683.9	691.7	673.6	662.0	642.6	643.9	647.8	649.1
75°	491.7	522.6	530.4	526.5	534.2	511.0	495.5	476.2	452.9	449.1	451.6
77.5°	320.0	344.5	356.2	353.6	357.4	339.4	331.6	311.0	283.9	273.6	273.6
80°	193.6	207.8	216.8	219.4	223.2	210.3	197.4	179.4	167.8	156.1	156.1
82.5°	117.4	126.5	132.9	132.9	136.8	122.6	112.3	99.4	94.2	83.9	83.9
85°	59.4	65.8	68.4	67.1	64.5	52.9	49.0	42.6	40.0	34.8	34.8
87.5°	14.2	18.1	18.1	12.9	12.9	6.5	3.9	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)