

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: P634859

Luminaire Tested: GWS-SA3C-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11896.5 lumens
Efficiency: N/A
Efficacy: 127.9 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

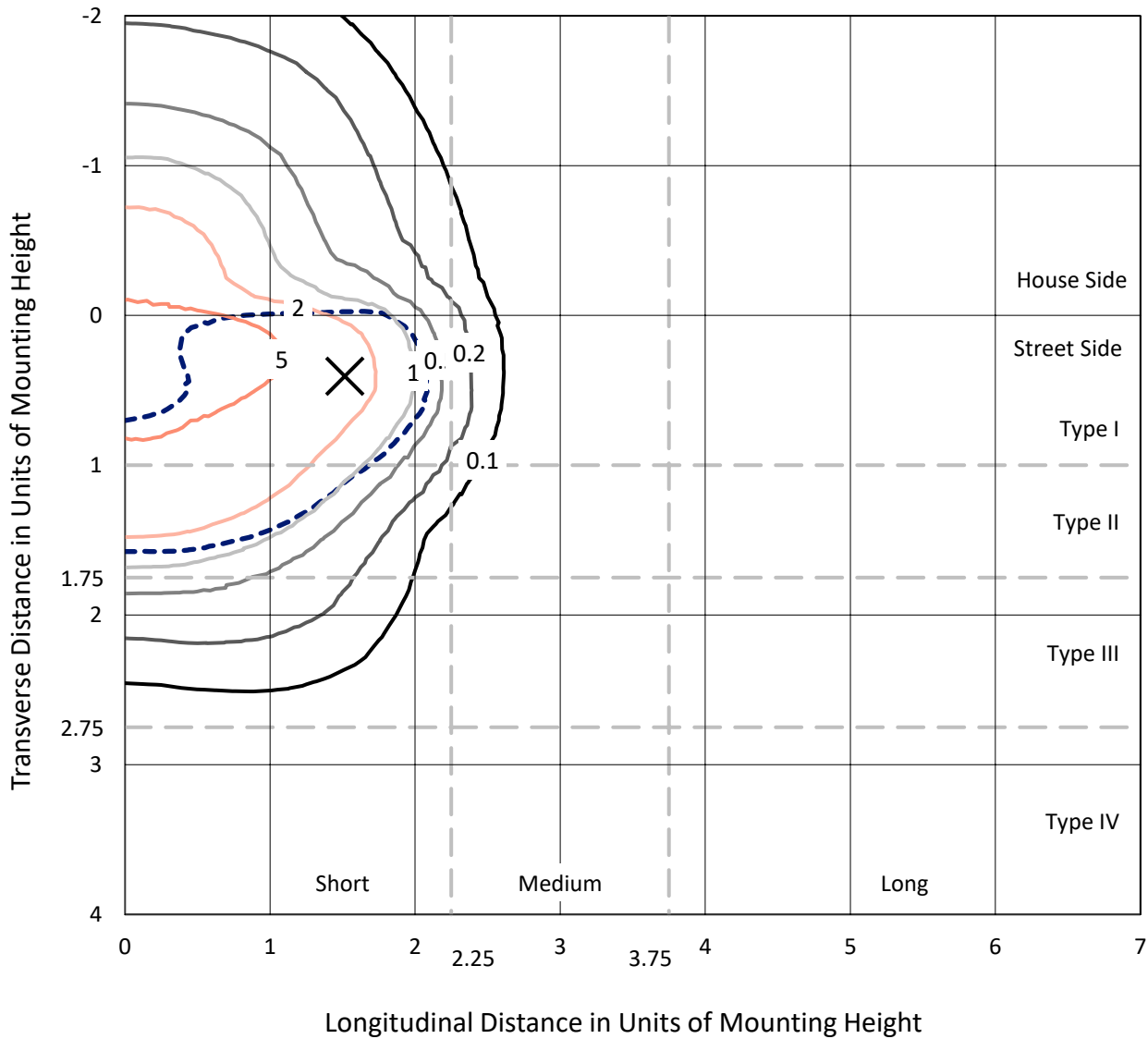
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634859
 CATALOG NUMBER: GWS-SA3C-750-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

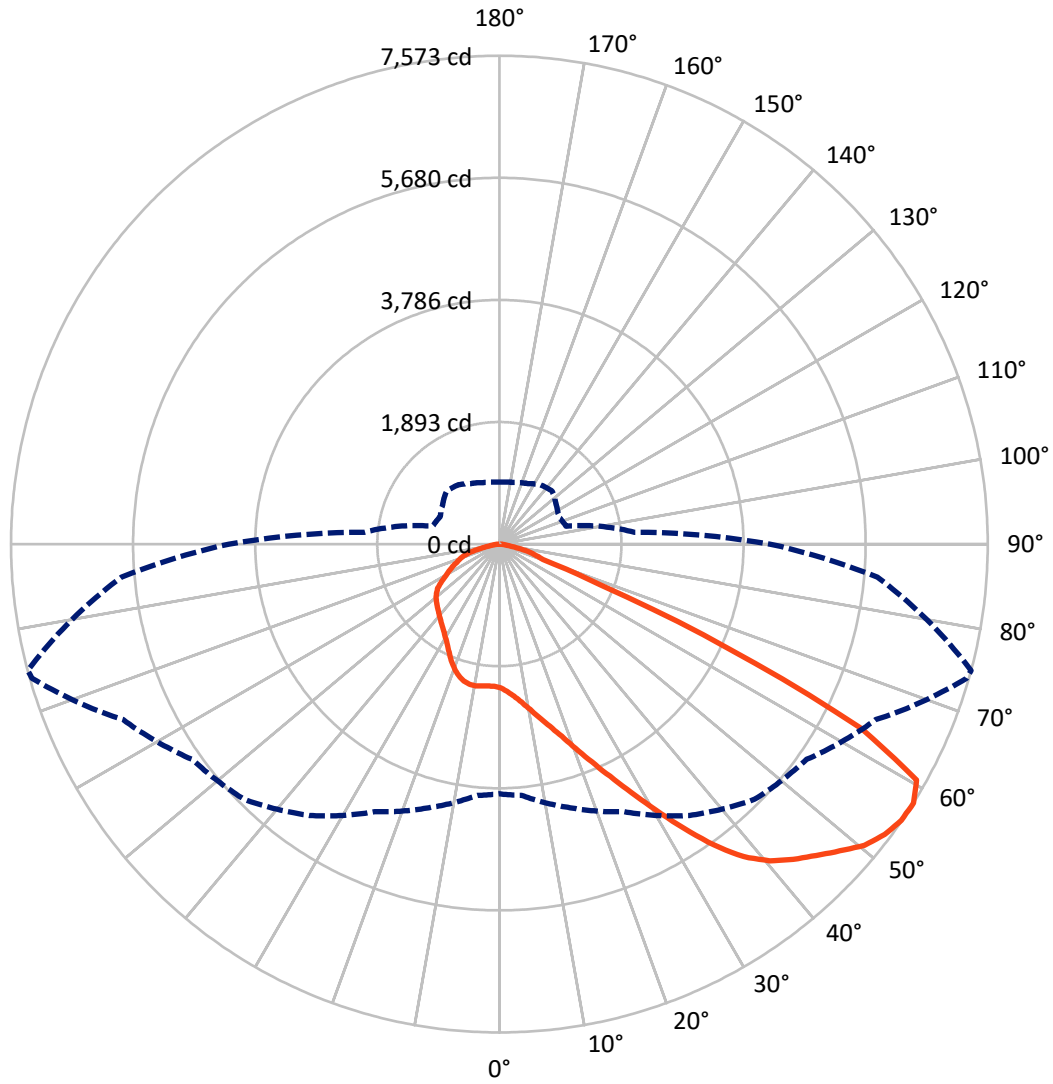
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

REPORT NUMBER: P634859
CATALOG NUMBER: GWS-SA3C-750-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634859

CATALOG NUMBER: GWS-SA3C-750-U-T2-W-GRSWH

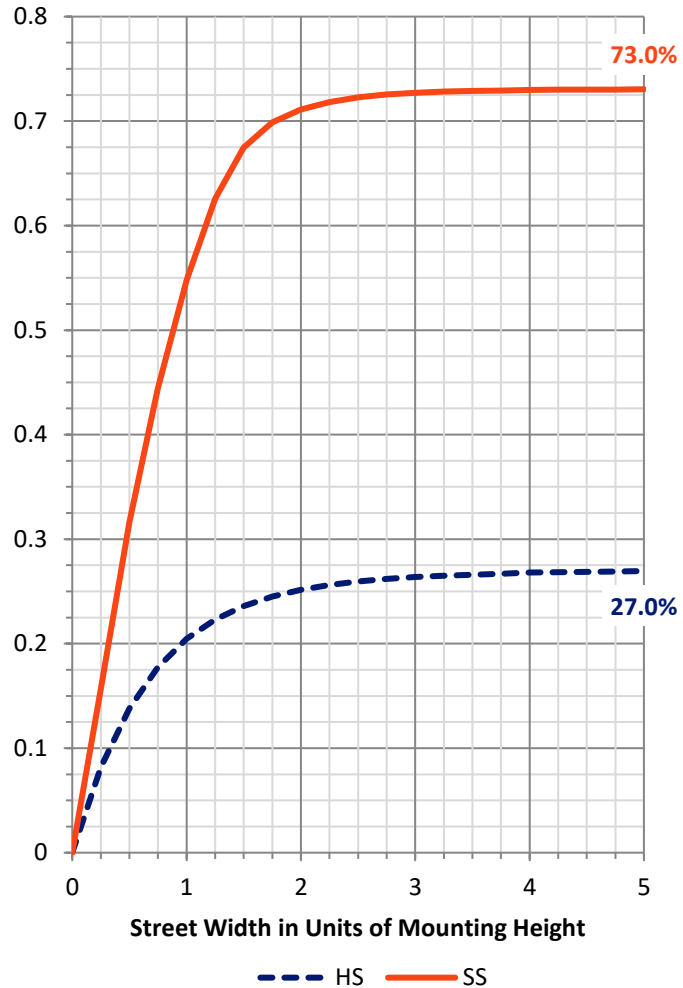
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3218.2	0.0	3218.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	8678.2	0.0	8678.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	11896.5	0.0	11896.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	1.9
10°-20°	709.8	6.0
20°-30°	1258.8	10.6
30°-40°	1927.1	16.2
40°-50°	2683.3	22.6
50°-60°	3074.5	25.8
60°-70°	1579.7	13.3
70°-80°	397.7	3.3
80°-90°	42.5	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°	11896.5	100.0
0°-180°	11896.5	100.0

Coefficient of Utilization



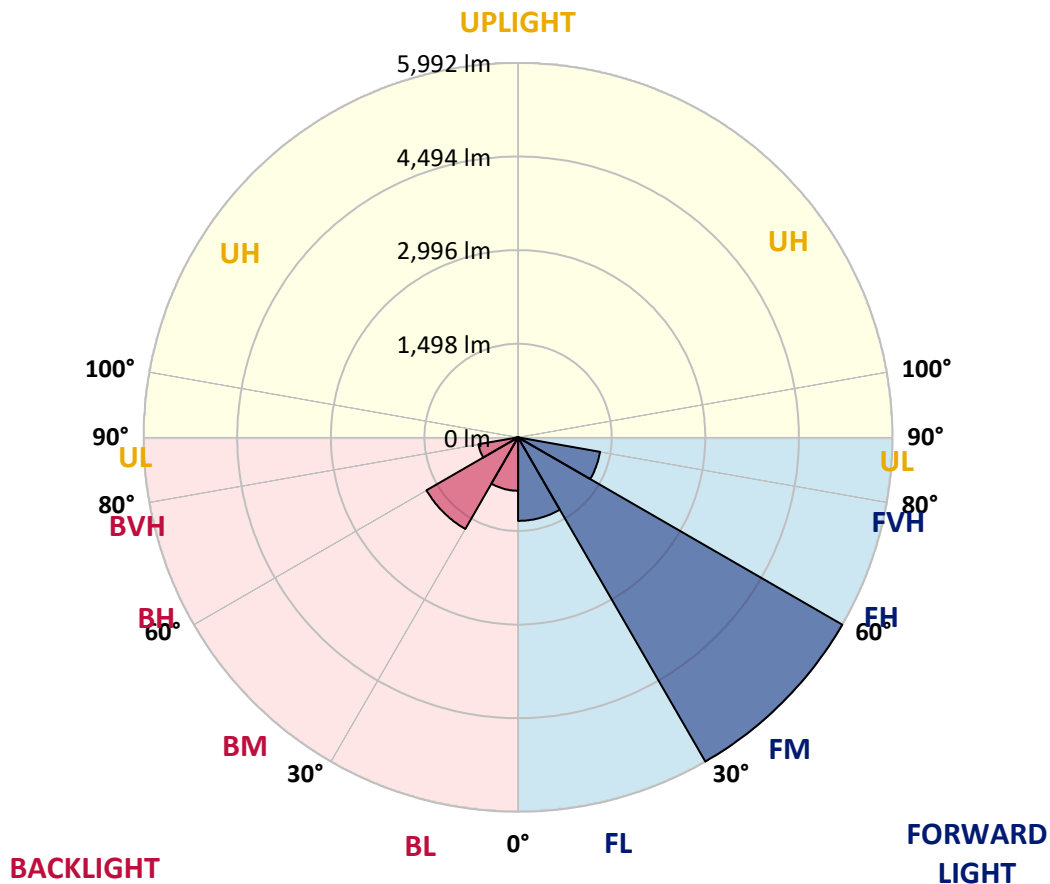
REPORT NUMBER: P634859

CATALOG NUMBER: GWS-SA3C-750-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1336.6	11.2			
FM (30°-60°)	5992.4	50.4			
FH (60°-80°)	1333.5	11.2			G1/1800
FVH (80°-90°)	15.7	0.1			G1/100
BL (0°-30°)	855.0	7.2	B2/1000		
BM (30°-60°)	1692.5	14.2	B2/2500		
BH (60°-80°)	644.0	5.4	B2/1000		G2/1000
BVH (80°-90°)	26.8	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





REPORT NUMBER: P634859

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2393.6	2399.8	2393.6	2403.9	2383.4	2374.2	2351.7	2317.9	2291.4	2287.3	2257.6
5°	2579.8	2593.1	2584.9	2580.8	2553.2	2532.8	2499.0	2431.5	2376.3	2368.1	2309.8
7.5°	2699.5	2708.7	2708.7	2711.8	2701.5	2678.0	2642.2	2562.4	2484.7	2472.4	2384.4
10°	2739.4	2746.6	2759.8	2785.4	2805.9	2813.0	2789.5	2712.8	2617.7	2605.4	2482.6
12.5°	2748.6	2756.8	2777.2	2824.3	2880.6	2931.7	2935.8	2879.5	2773.1	2759.8	2596.2
15°	2766.0	2774.2	2801.8	2860.1	2943.0	3041.2	3101.5	3062.6	2945.0	2930.7	2725.1
17.5°	2763.9	2773.1	2814.1	2891.8	3003.3	3145.5	3262.1	3278.5	3156.7	3132.2	2871.3
20°	2758.8	2767.0	2811.0	2906.1	3044.2	3239.6	3450.3	3535.2	3404.3	3381.8	3042.2
22.5°	2799.7	2808.9	2842.7	2921.5	3065.7	3312.2	3624.2	3828.8	3697.9	3666.2	3238.6
25°	2891.8	2905.1	2925.6	2979.8	3104.6	3376.7	3802.2	4161.3	4027.3	3989.4	3452.4
27.5°	3034.0	3050.4	3079.0	3104.6	3191.5	3458.5	3979.2	4533.6	4399.6	4359.7	3678.4
30°	3207.9	3229.4	3266.2	3283.6	3342.9	3579.2	4171.5	4917.2	4839.5	4784.2	3933.1
32.5°	3448.3	3477.9	3512.7	3517.8	3553.6	3762.3	4361.7	5297.7	5296.7	5257.8	4222.6
35°	3761.3	3793.0	3800.2	3807.3	3824.7	4014.0	4591.9	5644.5	5778.5	5733.5	4537.7
37.5°	4102.9	4149.0	4160.2	4128.5	4153.1	4316.7	4850.7	5922.7	6197.9	6149.8	4842.5
40°	4468.1	4486.5	4517.2	4467.1	4497.8	4663.5	5104.4	6100.7	6510.9	6459.8	5082.9
42.5°	4730.0	4763.8	4809.8	4791.4	4808.8	4960.2	5282.4	6186.6	6733.9	6682.8	5255.8
45°	5014.4	5024.6	5054.3	5050.2	5060.4	5201.6	5410.2	6224.5	6933.4	6887.3	5403.1
47.5°	5261.9	5277.3	5296.7	5274.2	5251.7	5343.8	5514.6	6257.2	7163.5	7108.3	5557.5
50°	5500.3	5513.6	5537.1	5471.6	5387.7	5411.3	5565.7	6302.2	7379.4	7340.5	5679.3
52.5°	5544.2	5558.6	5669.0	5682.3	5574.9	5492.1	5655.7	6401.5	7506.2	7481.7	5723.3
55°	4990.8	5016.4	5236.3	5489.0	5753.9	5727.4	5800.0	6453.6	7556.3	7562.5	5802.0
57.5°	3873.8	3910.6	4231.8	4578.6	5136.1	5597.4	5818.4	6440.3	7539.0	7572.7	5882.8
60°	2540.9	2562.4	2943.0	3331.7	3909.6	4547.9	5207.7	6201.0	7384.5	7432.6	5862.4
62.5°	1534.4	1558.9	1864.8	2159.4	2500.0	2926.6	3532.2	4983.7	6189.7	6297.1	4695.2
65°	1071.0	1103.7	1371.7	1614.2	1731.8	1643.8	1789.1	2783.4	3856.4	3901.4	2869.3
67.5°	776.4	798.9	1018.8	1307.3	1437.2	1161.0	884.8	1232.6	1679.6	1696.0	1183.5
70°	508.4	534.0	733.4	995.3	1173.3	941.1	661.8	666.9	706.8	715.0	687.4
72.5°	279.3	294.6	453.2	660.8	693.5	562.6	516.6	554.4	582.0	582.0	589.2
75°	144.2	157.5	185.1	217.9	262.9	307.9	372.3	428.6	458.3	460.3	457.2
77.5°	73.7	78.8	99.2	107.4	117.6	137.1	178.0	228.1	254.7	264.9	262.9
80°	34.8	36.8	41.9	49.1	60.4	76.7	96.2	114.6	130.9	133.0	144.2
82.5°	18.4	20.5	22.5	26.6	32.7	40.9	56.3	67.5	77.7	79.8	89.0
85°	7.2	8.2	9.2	10.2	14.3	17.4	23.5	31.7	38.9	38.9	46.0
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	4.1	5.1	7.2	7.2	12.3
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°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2250.4	2220.8	2207.5	2186.0	2168.6	2149.2	2133.8	2122.6	2115.4	2111.3	2107.2
5°	2287.3	2242.2	2206.4	2163.5	2133.8	2105.2	2081.7	2065.3	2057.1	2051.0	2046.9
7.5°	2344.5	2284.2	2216.7	2150.2	2098.0	2052.0	2022.3	2004.9	1993.7	1989.6	1986.5
10°	2423.3	2339.4	2227.9	2122.6	2044.8	1994.7	1974.2	1966.1	1967.1	1965.0	1964.0
12.5°	2512.3	2397.7	2224.9	2073.5	1987.5	1957.9	1958.9	1972.2	1987.5	1991.6	1992.7
15°	2608.5	2455.0	2195.2	2010.0	1942.5	1945.6	1972.2	2003.9	2032.6	2043.8	2045.8
17.5°	2712.8	2503.1	2141.0	1940.5	1905.7	1938.4	1987.5	2039.7	2081.7	2100.1	2105.2
20°	2829.4	2544.0	2064.3	1872.0	1870.9	1925.1	1996.7	2065.3	2118.5	2143.0	2147.1
22.5°	2953.2	2569.6	1970.2	1808.5	1835.1	1907.8	1989.6	2061.2	2117.5	2142.0	2147.1
25°	3078.0	2577.8	1866.8	1750.2	1798.3	1880.1	1954.8	2012.1	2065.3	2086.8	2090.9
27.5°	3194.6	2554.2	1768.6	1700.1	1764.5	1839.2	1889.3	1920.0	1956.9	1973.2	1976.3
30°	3313.3	2507.2	1685.8	1660.2	1726.7	1783.0	1805.5	1807.5	1821.8	1821.8	1823.9
32.5°	3432.9	2437.6	1613.2	1621.3	1679.6	1716.5	1719.5	1696.0	1678.6	1650.0	1649.0
35°	3571.0	2367.0	1553.8	1577.3	1624.4	1646.9	1637.7	1592.7	1550.8	1503.7	1501.7
37.5°	3698.9	2294.4	1503.7	1532.3	1562.0	1578.4	1556.9	1502.7	1467.9	1419.8	1412.7
40°	3804.3	2229.0	1455.6	1485.3	1499.6	1513.9	1479.1	1435.2	1440.3	1413.7	1412.7
42.5°	3865.6	2165.5	1410.6	1433.1	1442.3	1452.6	1421.9	1389.1	1416.7	1396.3	1397.3
45°	3910.6	2110.3	1369.7	1377.9	1400.4	1415.7	1387.1	1350.3	1356.4	1277.6	1259.2
47.5°	3961.8	2079.6	1330.8	1322.6	1362.5	1389.1	1345.1	1292.0	1255.1	1177.4	1170.2
50°	4016.0	2068.4	1289.9	1267.4	1315.5	1341.1	1289.9	1223.4	1175.3	1133.4	1129.3
52.5°	4034.4	2067.3	1238.8	1200.9	1249.0	1284.8	1241.8	1174.3	1117.0	1076.1	1074.1
55°	4107.0	2097.0	1173.3	1109.9	1154.9	1228.5	1196.8	1099.6	1053.6	1035.2	1033.2
57.5°	4191.9	2102.1	1070.0	1010.6	1073.0	1160.0	1120.1	1036.2	986.1	963.6	961.5
60°	4157.2	1976.3	959.5	935.0	1003.5	1095.6	1058.7	986.1	927.8	906.3	904.3
62.5°	3168.0	1395.3	878.7	869.5	928.8	1002.5	995.3	919.6	864.4	849.0	847.0
65°	1905.7	980.0	800.9	799.9	841.9	912.4	921.7	860.3	802.0	780.5	780.5
67.5°	942.1	749.8	713.0	707.9	734.5	784.6	823.5	773.3	724.2	703.8	700.7
70°	665.9	660.8	648.5	634.2	639.3	659.8	676.2	634.2	582.0	561.6	557.5
72.5°	575.9	576.9	568.7	557.5	553.4	539.1	524.8	494.1	462.4	440.9	442.9
75°	447.0	449.1	454.2	450.1	438.8	423.5	408.1	369.3	343.7	323.2	319.2
77.5°	260.8	271.1	287.4	283.3	285.4	263.9	257.8	219.9	196.4	182.1	179.0
80°	147.3	153.4	160.6	165.7	159.6	150.4	137.1	116.6	109.5	99.2	97.2
82.5°	89.0	95.1	98.2	102.3	100.2	88.0	77.7	64.4	58.3	53.2	52.2
85°	45.0	49.1	52.2	54.2	48.1	39.9	35.8	28.6	24.6	21.5	21.5
87.5°	11.3	12.3	14.3	12.3	11.3	5.1	4.1	1.0	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)