

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: P632885

Luminaire Tested: GWS-SA2D-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12178.7 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 82.1
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

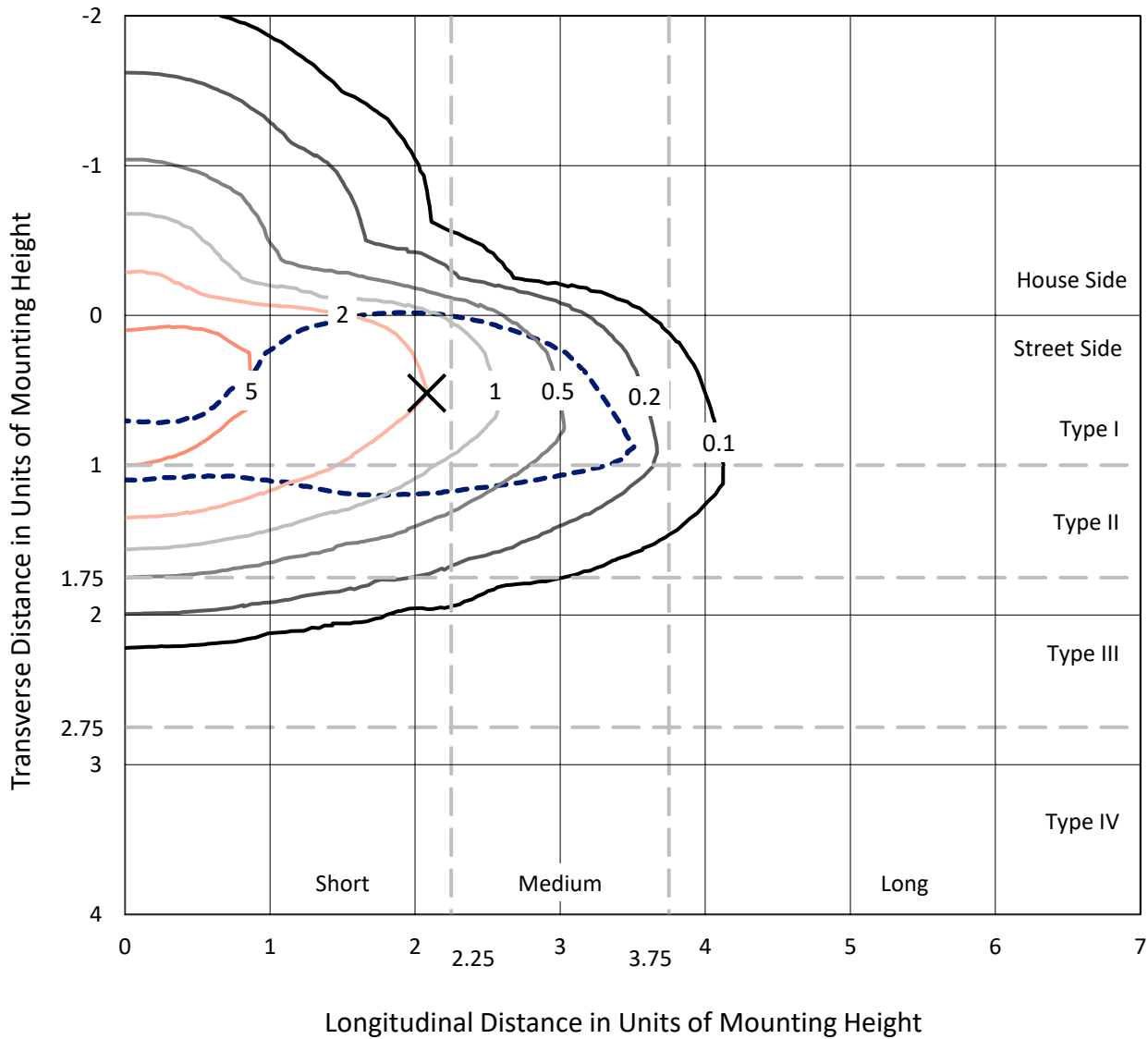


REPORT NUMBER: P632885

CATALOG NUMBER: GWS-SA2D-750-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination

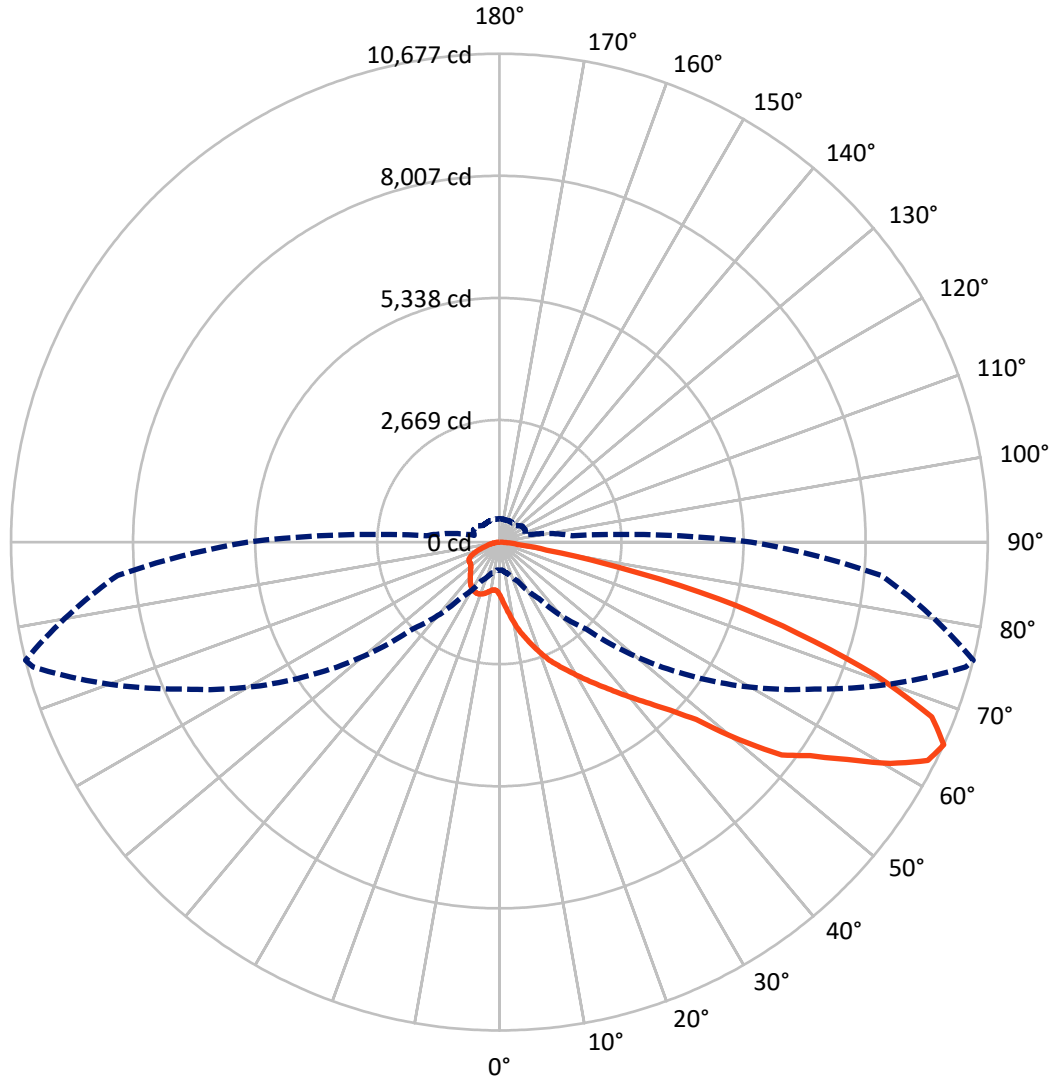
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

REPORT NUMBER: P632885
CATALOG NUMBER: GWS-SA2D-750-U-T2R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P632885

CATALOG NUMBER: GWS-SA2D-750-U-T2R-W

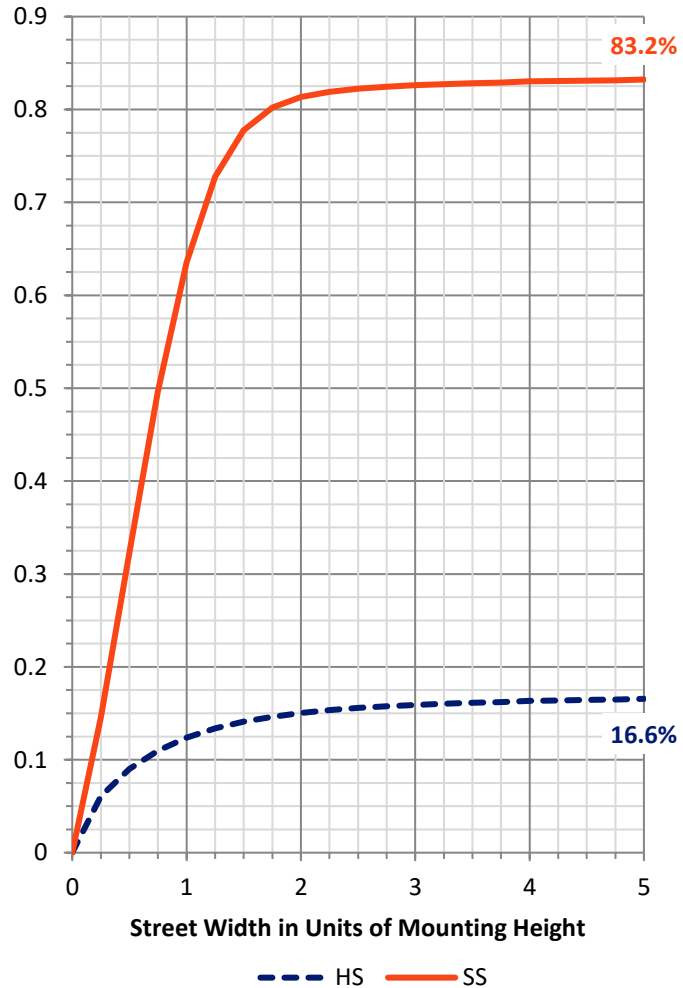
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2035.7	0.0	2035.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	10143.0	0.0	10143.0
	% Fixture	83.3	0.0	83.3
Total	Lumens	12178.7	0.0	12178.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	1.1
10°-20°	521.9	4.3
20°-30°	1017.1	8.4
30°-40°	1701.0	14.0
40°-50°	2435.5	20.0
50°-60°	2883.3	23.7
60°-70°	2397.5	19.7
70°-80°	981.1	8.1
80°-90°	104.5	0.9
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°	12178.7	100.0
0°-180°	12178.7	100.0

Coefficient of Utilization



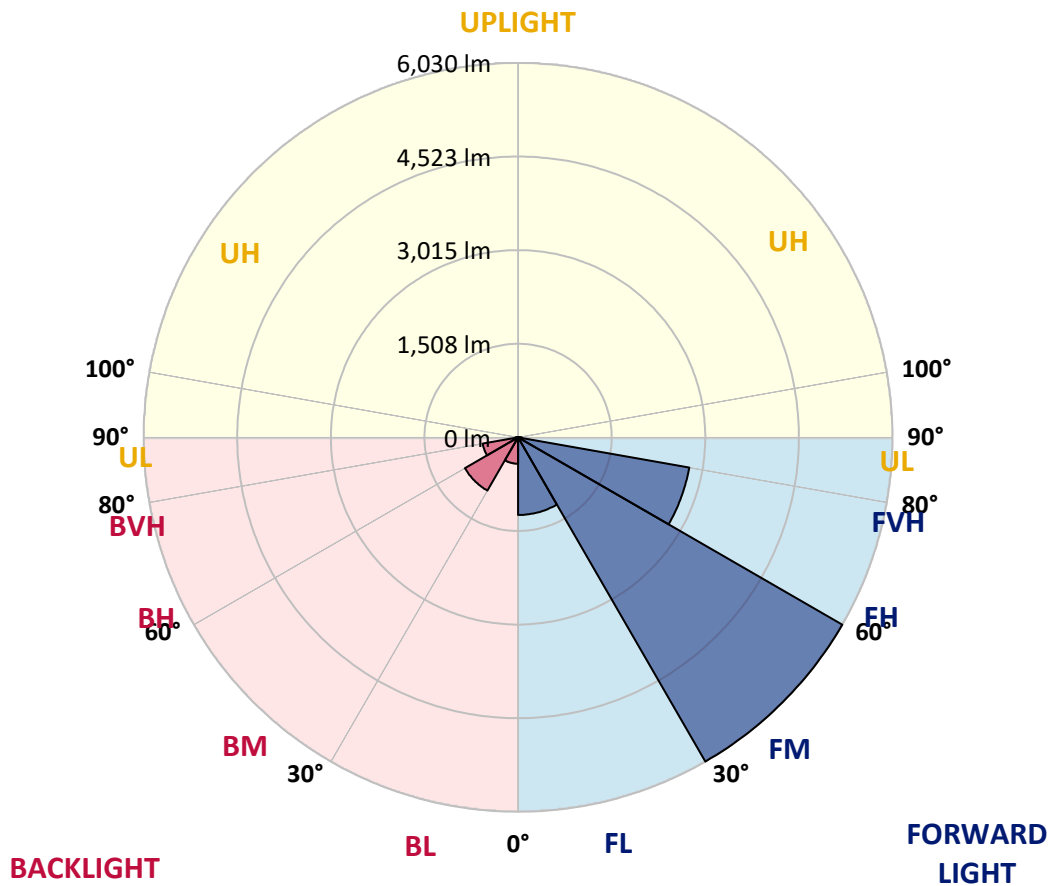
REPORT NUMBER: P632885

CATALOG NUMBER: GWS-SA2D-750-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1250.1	10.3			
FM (30°-60°)	6030.4	49.5			
FH (60°-80°)	2800.2	23.0			G2/5000
FVH (80°-90°)	62.3	0.5			G1/100
BL (0°-30°)	425.9	3.5	B1/500		
BM (30°-60°)	989.3	8.1	B1/1000		
BH (60°-80°)	578.4	4.7	B2/1000		G2/1000
BVH (80°-90°)	42.2	0.3			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: P632885
 CATALOG NUMBER: GWS-SA2D-750-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3
2.5°	1616.5	1622.5	1602.8	1595.9	1549.7	1487.2	1435.0	1356.2	1283.4	1272.3	1207.2
5°	2053.1	2027.4	2005.2	1990.6	1926.4	1855.3	1744.9	1596.8	1441.8	1423.0	1282.6
7.5°	2312.5	2308.3	2280.9	2272.3	2222.6	2151.6	2037.7	1853.6	1628.5	1597.6	1384.4
10°	2520.6	2518.0	2504.3	2512.0	2466.7	2397.3	2286.9	2096.8	1833.1	1802.3	1498.3
12.5°	2702.1	2706.4	2703.8	2732.1	2709.0	2655.0	2540.3	2331.4	2037.7	2004.3	1637.0
15°	2834.8	2838.2	2851.1	2912.7	2925.6	2914.4	2798.0	2561.7	2239.8	2191.8	1780.0
17.5°	2872.5	2879.3	2910.2	3009.5	3078.8	3125.1	3038.6	2796.3	2438.4	2386.2	1925.6
20°	2923.0	2930.7	2961.5	3065.1	3167.0	3272.3	3256.9	3034.3	2638.8	2595.9	2072.8
22.5°	3156.7	3150.8	3137.1	3186.7	3259.5	3390.5	3429.0	3262.9	2846.0	2804.9	2235.5
25°	3607.1	3596.0	3508.6	3463.3	3439.3	3518.9	3587.4	3471.0	3048.0	2986.4	2387.0
27.5°	4103.7	4097.7	3986.4	3878.5	3731.2	3697.0	3737.2	3652.5	3244.1	3181.6	2518.9
30°	4573.7	4555.7	4439.3	4304.0	4107.1	3959.8	3900.8	3830.6	3459.0	3393.9	2673.0
32.5°	4994.1	4971.0	4834.0	4684.2	4477.8	4304.0	4127.7	4019.8	3702.1	3626.8	2830.5
35°	5339.2	5316.0	5175.6	5016.4	4789.5	4661.1	4419.6	4225.3	3949.6	3873.4	3016.3
37.5°	5606.3	5584.9	5438.5	5281.8	5084.0	4982.1	4772.4	4456.4	4234.7	4155.1	3213.3
40°	5756.1	5740.7	5623.4	5499.3	5333.2	5245.0	5150.8	4748.4	4554.0	4474.4	3445.3
42.5°	5801.5	5791.2	5709.0	5644.8	5532.7	5465.9	5519.8	5091.7	4894.8	4825.4	3706.4
45°	5687.6	5687.6	5663.6	5696.2	5701.3	5700.5	5889.7	5479.6	5313.5	5237.3	4074.6
47.5°	5396.5	5415.4	5450.5	5610.6	5779.2	5920.5	6322.1	5996.7	5852.0	5789.5	4596.0
50°	4864.0	4915.3	5035.2	5347.7	5706.5	6066.1	6731.3	6761.3	6899.1	6788.7	5363.1
52.5°	4084.0	4076.3	4381.9	4827.2	5374.3	6072.0	6956.5	7435.9	7806.7	7730.5	5933.3
55°	3245.8	3232.9	3518.1	4131.9	4864.8	5842.6	7091.8	7745.0	8310.1	8241.6	6446.2
57.5°	2485.5	2469.2	2722.7	3276.6	4145.6	5355.4	7066.1	8113.2	9002.8	8967.7	7143.1
60°	1710.7	1691.0	1928.1	2412.7	3294.6	4610.5	6781.8	8302.4	9813.6	9825.6	7888.9
62.5°	1027.4	1016.3	1188.4	1564.2	2369.9	3687.6	6116.6	8187.7	10459.1	10513.1	8368.3
65°	619.9	612.2	713.2	933.2	1503.5	2691.0	5090.9	7601.2	10552.4	10676.6	8379.5
67.5°	451.2	452.1	481.2	568.5	876.7	1738.1	3820.3	6549.8	10066.1	10194.6	7851.2
70°	392.1	393.8	409.3	428.9	530.0	994.9	2483.8	5170.5	8628.6	8727.9	6584.9
72.5°	348.5	348.5	358.7	369.0	414.4	606.2	1330.5	3613.9	6810.1	6836.6	5025.8
75°	306.5	303.9	309.1	314.2	359.6	423.8	647.3	2518.0	5030.1	4968.4	3248.4
77.5°	244.0	241.4	242.3	247.4	288.5	303.1	327.9	1572.8	2834.8	2675.6	1435.0
80°	173.8	172.1	181.5	194.4	213.2	185.8	205.5	761.1	1124.2	1046.3	556.5
82.5°	103.6	107.0	121.6	131.9	147.3	116.4	132.7	254.3	398.1	387.9	226.0
85°	14.6	15.4	43.7	50.5	63.4	45.4	70.2	114.7	159.2	170.4	79.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	20.5	45.4	46.2	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632885
 CATALOG NUMBER: GWS-SA2D-750-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3
2.5°	1173.8	1133.6	1076.2	1028.3	988.0	955.5	928.1	907.6	901.6	893.0	893.0
5°	1216.6	1143.9	1041.1	968.3	926.4	901.6	884.4	875.9	871.6	866.5	863.9
7.5°	1275.7	1173.8	1035.1	961.5	929.0	913.5	902.4	897.3	893.9	888.7	888.7
10°	1357.0	1218.3	1054.0	985.5	959.8	944.4	931.5	923.0	915.3	907.6	905.8
12.5°	1445.2	1276.6	1088.2	1018.0	990.6	971.8	953.8	940.9	931.5	922.1	919.5
15°	1542.8	1336.5	1125.0	1049.7	1015.4	989.7	968.3	948.7	935.8	922.1	920.4
17.5°	1638.7	1397.3	1155.8	1071.1	1027.4	995.7	964.9	939.2	923.0	907.6	903.3
20°	1753.5	1458.1	1177.3	1077.1	1024.9	982.9	946.1	913.5	895.6	877.6	875.0
22.5°	1858.8	1514.6	1187.5	1068.5	1005.2	955.5	912.7	877.6	857.9	839.9	836.5
25°	1960.7	1564.2	1183.2	1048.0	975.2	917.8	873.3	838.2	819.4	800.5	795.4
27.5°	2059.1	1597.6	1166.1	1016.3	937.5	875.9	833.1	801.4	785.1	768.9	762.0
30°	2155.9	1628.5	1139.6	975.2	889.6	832.2	797.1	774.8	758.6	741.5	736.3
32.5°	2253.5	1650.7	1099.3	927.2	840.8	793.7	772.3	756.0	738.9	721.8	716.6
35°	2351.9	1660.1	1050.5	872.5	799.7	768.9	761.1	742.3	719.2	698.6	691.8
37.5°	2469.2	1668.7	989.7	818.5	763.7	756.9	755.2	726.9	699.5	671.2	663.5
40°	2610.5	1679.8	927.2	769.7	734.6	752.6	745.7	707.2	652.4	625.0	616.5
42.5°	2783.4	1700.4	862.2	725.2	713.2	736.3	728.6	659.3	622.4	607.0	602.8
45°	3037.7	1775.7	797.1	690.1	696.9	713.2	701.2	631.0	616.5	606.2	601.0
47.5°	3490.7	1891.3	740.6	663.5	684.1	692.7	646.4	623.3	612.2	598.5	592.5
50°	3961.6	1941.8	695.2	647.3	669.5	673.8	616.5	613.0	605.3	590.8	584.8
52.5°	4280.1	1935.0	667.8	641.3	657.5	641.3	602.8	601.9	596.8	579.6	572.8
55°	4639.7	1947.0	655.8	643.0	652.4	586.5	585.6	588.2	585.6	566.8	563.4
57.5°	5125.1	1983.8	649.8	649.0	649.0	559.9	569.4	572.8	567.6	559.1	556.5
60°	5591.7	1986.3	638.7	655.8	646.4	543.7	550.5	554.0	548.0	546.2	545.4
62.5°	5767.2	1863.1	613.9	650.7	636.1	525.7	530.8	532.5	526.6	530.8	530.0
65°	5506.1	1601.1	572.8	625.9	604.5	509.4	506.0	510.3	500.0	511.1	512.0
67.5°	4888.8	1272.3	510.3	578.8	559.9	491.4	484.6	484.6	467.5	484.6	483.7
70°	3941.9	899.0	418.7	503.4	511.1	470.0	466.6	446.9	419.5	445.2	442.6
72.5°	2988.1	645.6	329.6	398.1	440.1	440.1	440.9	407.5	375.9	387.9	377.6
75°	1893.0	454.6	263.7	304.8	345.0	386.1	405.8	344.2	315.9	310.8	305.7
77.5°	852.8	298.8	205.5	233.7	244.9	304.8	370.7	296.2	257.7	246.6	243.2
80°	357.0	185.8	146.4	165.2	150.7	256.0	327.1	230.3	189.2	173.8	162.7
82.5°	156.7	110.4	93.3	89.0	94.2	190.1	244.0	153.3	118.2	160.1	161.8
85°	65.9	58.2	47.9	43.7	38.5	72.8	114.7	59.9	73.6	42.0	34.2
87.5°	15.4	17.1	12.8	8.6	5.1	0.9	0.0	0.0	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)