

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: P634862

Luminaire Tested: GWS-SA3C-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9565.3 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

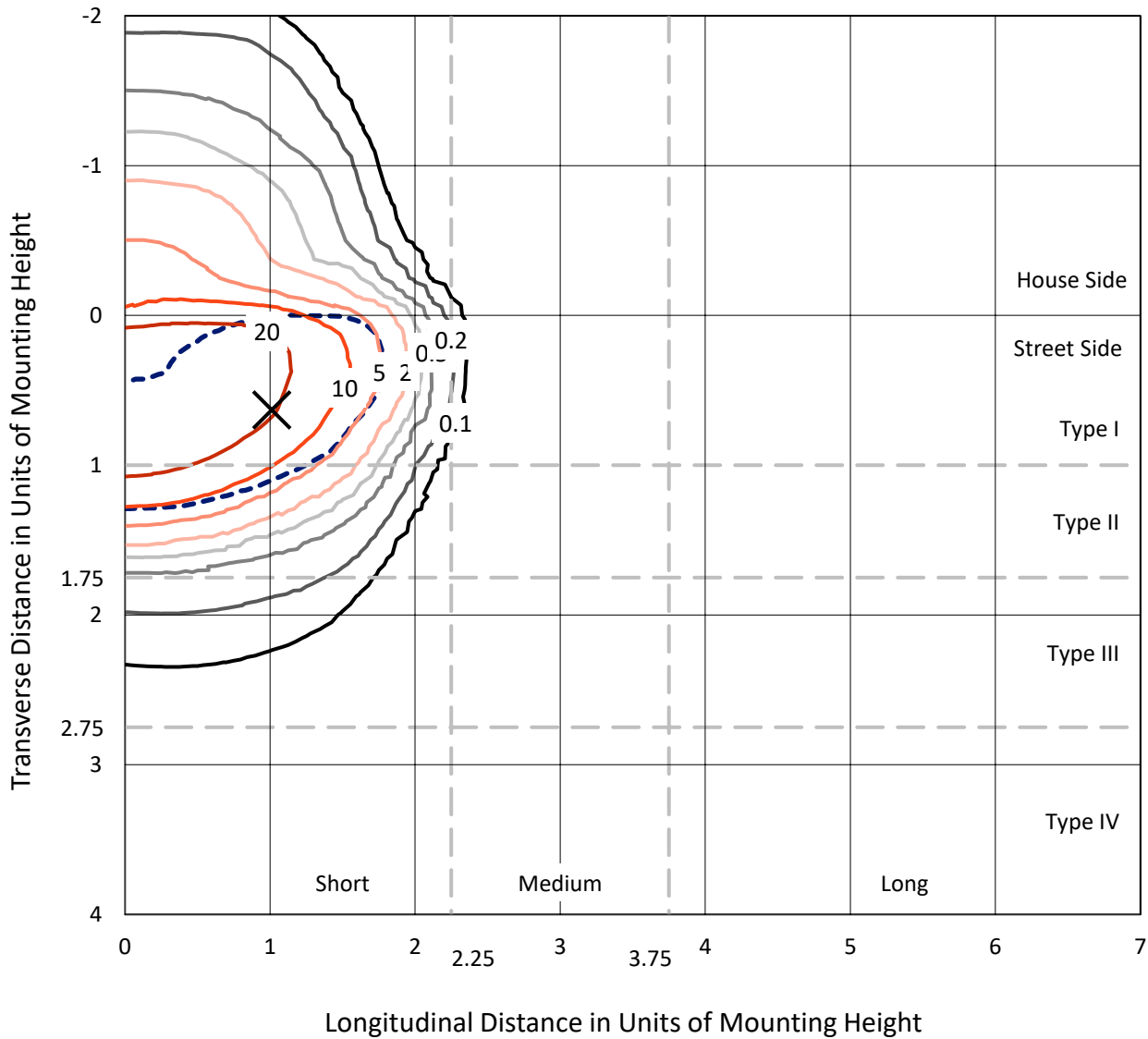
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634862
 CATALOG NUMBER: GWS-SA3C-750-U-T2R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

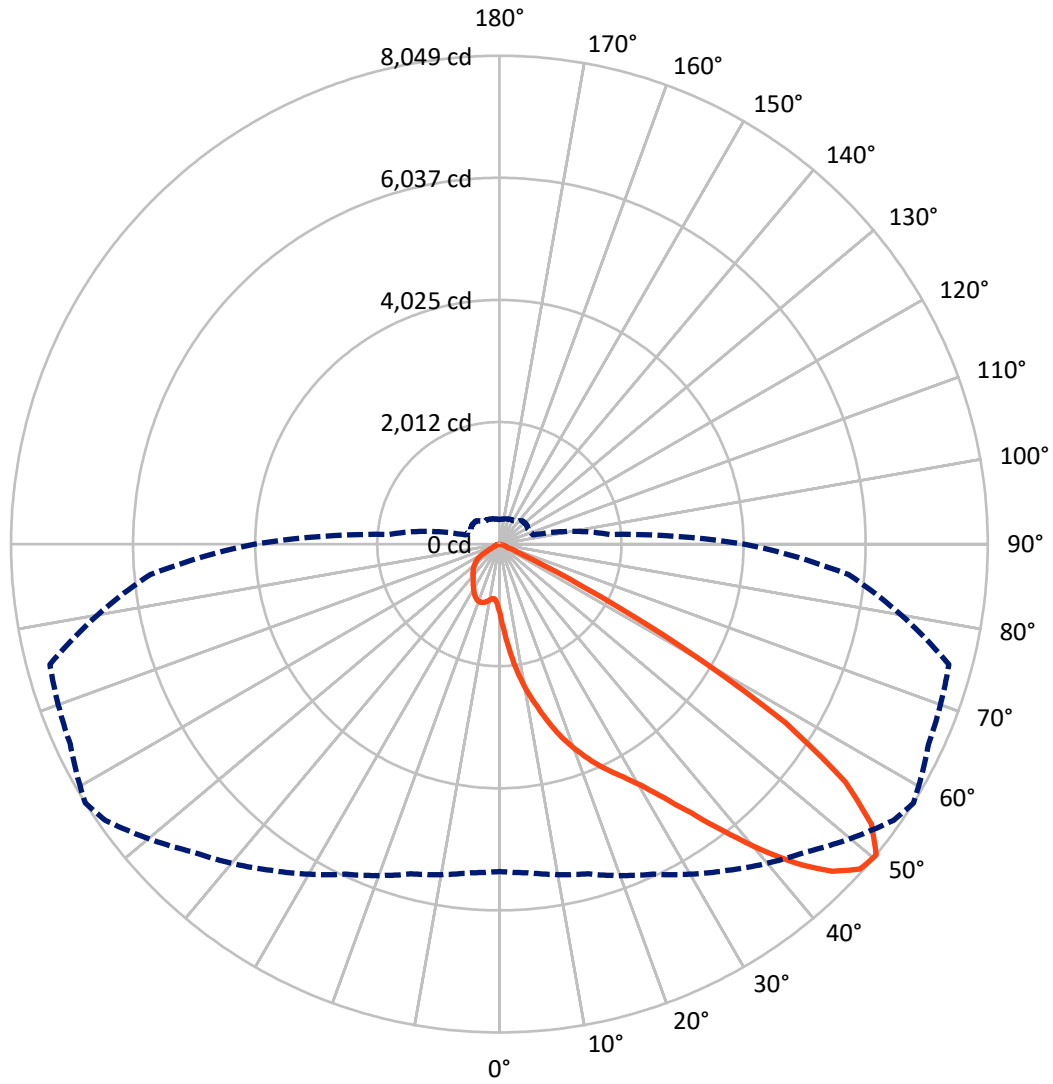
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 35.1 fc
 Type II - Short - N/A

REPORT NUMBER: P634862
CATALOG NUMBER: GWS-SA3C-750-U-T2R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P634862

CATALOG NUMBER: GWS-SA3C-750-U-T2R-W-GRSBK

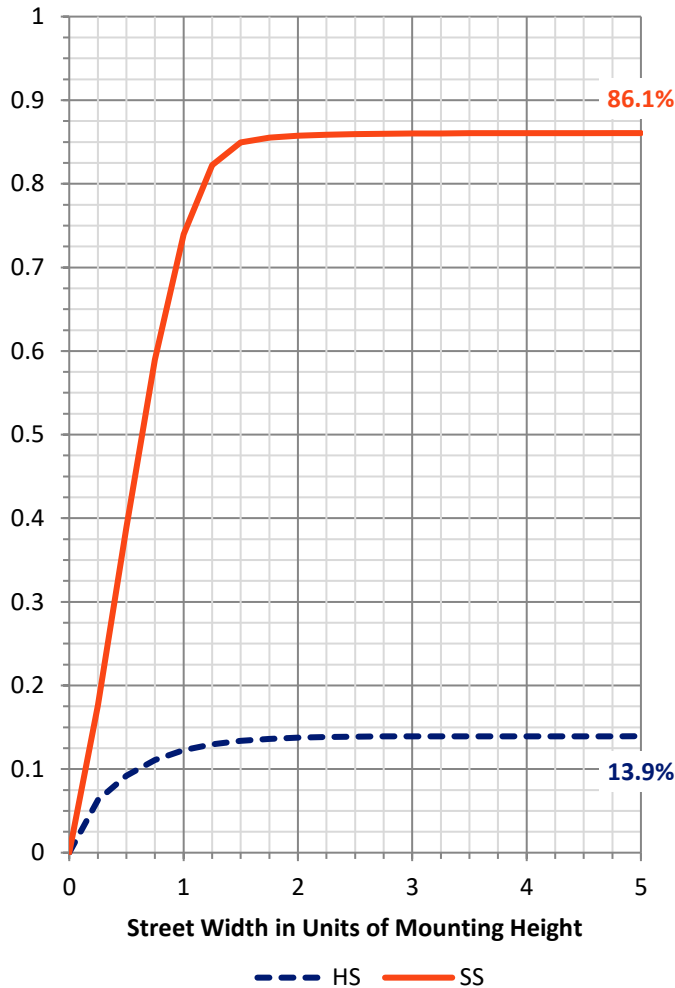
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1339.7	0.0	1339.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	8225.5	0.0	8225.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	9565.3	0.0	9565.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	1.5
10°-20°	560.3	5.9
20°-30°	1133.9	11.9
30°-40°	2005.9	21.0
40°-50°	2924.2	30.6
50°-60°	2343.8	24.5
60°-70°	422.3	4.4
70°-80°	33.3	0.3
80°-90°	0.0	0.0
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°	9565.3	100.0
0°-180°	9565.3	100.0

Coefficient of Utilization



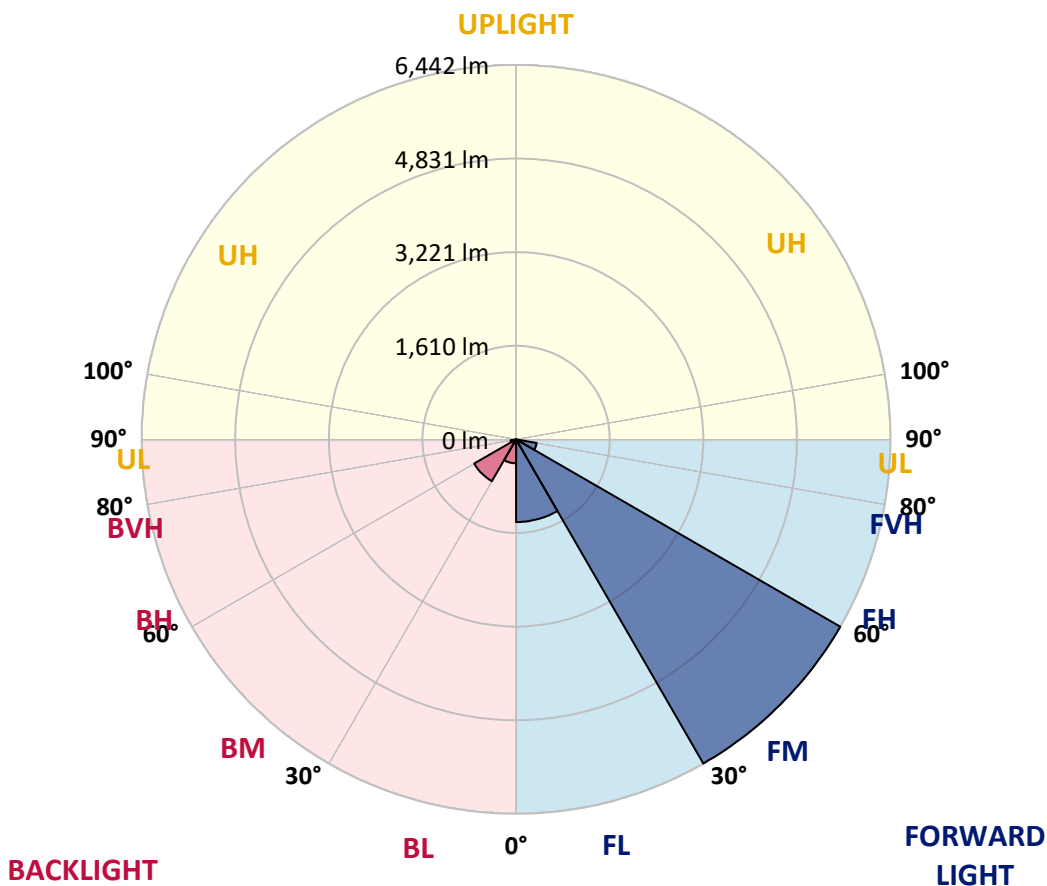
REPORT NUMBER: P634862

CATALOG NUMBER: GWS-SA3C-750-U-T2R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1423.3	14.9			
FM (30°-60°)	6441.9	67.3			
FH (60°-80°)	360.3	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	412.5	4.3	B1/500		
BM (30°-60°)	832.0	8.7	B1/1000		
BH (60°-80°)	95.2	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





REPORT NUMBER: P634862

CATALOG NUMBER: GWS-SA3C-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6
2.5°	1690.8	1664.2	1648.9	1636.6	1582.4	1496.5	1440.2	1410.6	1361.5	1278.6	1207.0
5°	2206.4	2186.9	2151.1	2126.6	2057.0	1935.3	1809.5	1759.4	1647.9	1460.7	1292.9
7.5°	2548.0	2533.7	2520.4	2487.6	2422.2	2311.7	2172.6	2120.4	1948.6	1682.6	1407.5
10°	2810.9	2799.6	2784.3	2783.3	2732.1	2632.9	2496.9	2442.6	2256.5	1924.0	1542.5
12.5°	3042.0	3032.8	3029.8	3058.4	3025.7	2952.0	2804.7	2737.2	2539.8	2170.6	1691.8
15°	3200.6	3198.6	3211.8	3268.1	3286.5	3252.8	3129.0	3056.4	2829.3	2418.1	1856.5
17.5°	3273.2	3279.4	3304.9	3402.1	3483.9	3512.6	3417.4	3356.1	3116.7	2668.7	2032.5
20°	3397.0	3394.9	3410.3	3502.3	3602.6	3704.9	3676.2	3624.1	3407.2	2933.6	2227.8
22.5°	3745.8	3716.1	3683.4	3697.7	3733.5	3853.2	3906.4	3879.8	3706.9	3205.7	2429.3
25°	4281.8	4251.1	4145.7	4043.5	3975.9	4030.2	4102.8	4116.1	4004.6	3485.0	2640.1
27.5°	4850.5	4822.9	4704.2	4550.8	4357.5	4263.4	4317.6	4344.2	4297.1	3817.4	2864.1
30°	5383.4	5346.6	5216.7	5026.4	4802.4	4658.2	4596.8	4615.2	4642.9	4211.2	3126.9
32.5°	5845.8	5818.2	5662.7	5462.2	5246.4	5096.0	4952.8	4983.5	5051.0	4693.0	3463.5
35°	6237.5	6223.2	6058.5	5859.1	5631.0	5554.2	5431.5	5437.6	5505.1	5275.0	3873.7
37.5°	6578.2	6553.6	6404.3	6219.1	6038.1	6025.8	5992.0	5995.1	6029.9	5953.2	4345.2
40°	6793.0	6770.5	6664.1	6549.5	6420.6	6422.7	6597.6	6610.9	6571.0	6619.1	4843.3
42.5°	6873.8	6857.4	6800.1	6801.1	6787.8	6848.2	7176.5	7201.1	7057.9	7141.8	5268.9
45°	6733.6	6726.5	6730.6	6877.9	7037.4	7223.6	7650.1	7693.1	7490.6	7488.5	5601.3
47.5°	6281.5	6267.2	6386.9	6637.5	7006.7	7368.8	7936.5	8003.0	7793.3	7687.0	5810.0
50°	5395.7	5436.6	5625.8	6002.3	6563.8	7169.4	7933.5	8049.1	7804.6	7669.6	5775.2
52.5°	3908.4	3900.2	4314.5	4832.1	5515.4	6531.1	7512.0	7680.8	7531.5	7498.7	5697.5
55°	2126.6	2201.2	2480.5	3165.8	4018.9	5323.1	6549.5	6917.7	7090.6	7436.3	5837.6
57.5°	781.5	814.2	989.1	1474.0	2127.6	3310.0	5002.9	5558.3	6092.3	7262.5	5814.1
60°	315.0	321.2	390.7	542.1	894.0	1684.7	3001.1	3494.2	3997.4	5559.4	4461.8
62.5°	229.1	237.3	264.9	317.1	452.1	736.5	1293.9	1504.7	1644.8	2753.6	2198.2
65°	185.1	191.3	213.8	237.3	298.7	395.9	417.3	402.0	399.9	711.9	504.3
67.5°	153.4	159.6	175.9	192.3	214.8	197.4	143.2	150.4	122.7	121.7	99.2
70°	112.5	119.7	136.0	153.4	128.9	53.2	82.9	122.7	93.1	77.7	75.7
72.5°	84.9	90.0	105.4	100.2	37.8	20.5	55.2	89.0	71.6	57.3	56.3
75°	63.4	66.5	53.2	16.4	4.1	5.1	20.5	36.8	39.9	32.7	32.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.1	4.1	5.1	6.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6	1142.6
2.5°	1166.1	1123.1	1061.8	1010.6	971.7	933.9	905.3	876.6	875.6	861.3	858.2
5°	1215.2	1137.4	1024.9	944.1	895.0	865.4	844.9	834.7	829.6	824.4	822.4
7.5°	1285.8	1174.3	1018.8	932.9	892.0	872.5	858.2	852.1	849.0	844.9	843.9
10°	1372.7	1227.5	1041.3	954.3	918.5	900.1	884.8	875.6	870.5	863.3	861.3
12.5°	1477.0	1292.9	1077.1	990.1	952.3	927.8	907.3	894.0	886.8	877.6	875.6
15°	1589.6	1363.5	1117.0	1022.9	977.9	946.2	920.6	900.1	886.8	875.6	872.5
17.5°	1706.2	1435.1	1152.8	1045.4	990.1	952.3	915.5	887.9	871.5	857.2	853.1
20°	1837.1	1508.8	1176.3	1049.5	986.1	935.9	893.0	858.2	841.8	822.4	818.3
22.5°	1974.2	1577.3	1186.5	1040.3	963.6	905.3	859.2	823.4	799.9	779.4	773.3
25°	2107.1	1638.7	1181.4	1014.7	929.8	862.3	815.2	778.4	752.8	732.4	727.3
27.5°	2248.3	1689.8	1163.0	976.9	883.8	815.2	770.2	738.5	715.0	692.5	687.4
30°	2406.8	1736.9	1133.4	930.8	829.6	767.2	732.4	710.9	685.3	661.8	654.6
32.5°	2598.1	1778.8	1090.4	875.6	781.5	725.2	705.8	689.4	659.8	635.2	630.1
35°	2817.0	1813.6	1036.2	818.3	734.4	698.6	694.5	673.1	634.2	605.5	599.4
37.5°	3070.7	1847.3	971.7	762.0	699.7	686.4	687.4	650.6	603.5	568.7	564.6
40°	3343.8	1881.1	900.1	712.9	667.9	679.2	670.0	617.8	541.1	507.3	503.3
42.5°	3628.2	1917.9	827.5	666.9	641.3	651.6	638.3	552.4	497.1	479.7	477.7
45°	3884.9	1961.9	748.7	620.9	614.8	611.7	589.2	500.2	476.7	464.4	463.4
47.5°	4070.0	1954.7	664.9	576.9	586.1	575.9	507.3	475.6	456.2	439.8	435.7
50°	4036.3	1829.9	577.9	527.8	549.3	540.1	456.2	447.0	429.6	412.2	406.1
52.5°	3950.4	1660.1	502.2	475.6	509.4	487.9	421.4	412.2	396.9	374.4	367.2
55°	3996.4	1500.6	442.9	433.7	468.5	404.0	382.6	368.2	351.9	327.3	324.3
57.5°	3848.1	1224.4	356.0	362.1	414.3	344.7	335.5	313.0	285.4	269.0	267.0
60°	2663.6	657.7	223.0	230.1	299.7	289.5	300.7	280.3	246.5	231.2	228.1
62.5°	1223.4	263.9	121.7	116.6	157.5	196.4	257.8	255.7	213.8	189.2	187.2
65°	296.6	120.7	86.9	81.8	89.0	117.6	167.8	201.5	172.9	144.2	141.2
67.5°	96.2	98.2	79.8	74.7	78.8	88.0	100.2	111.5	110.5	101.3	99.2
70°	76.7	89.0	73.6	67.5	67.5	70.6	67.5	54.2	47.1	51.1	53.2
72.5°	57.3	67.5	58.3	52.2	50.1	49.1	41.9	30.7	21.5	19.4	18.4
75°	33.8	37.8	35.8	30.7	28.6	25.6	20.5	13.3	7.2	5.1	3.1
77.5°	6.1	7.2	8.2	6.1	5.1	4.1	3.1	1.0	0.0	0.0	0.0
80°	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)