

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: P630790

Luminaire Tested: GWS-SA1E-735-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5598.3 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

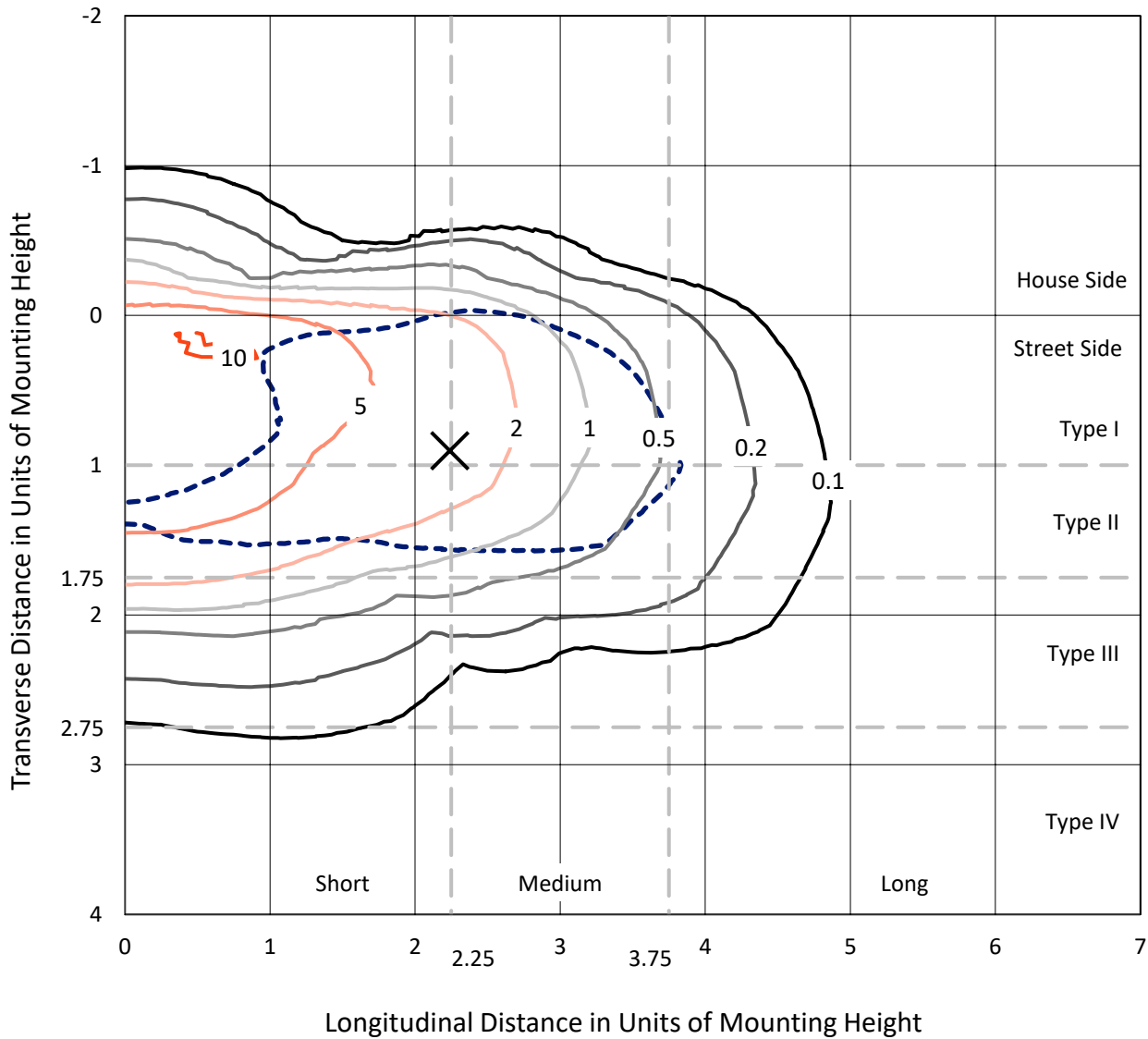
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630790
 CATALOG NUMBER: GWS-SA1E-735-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

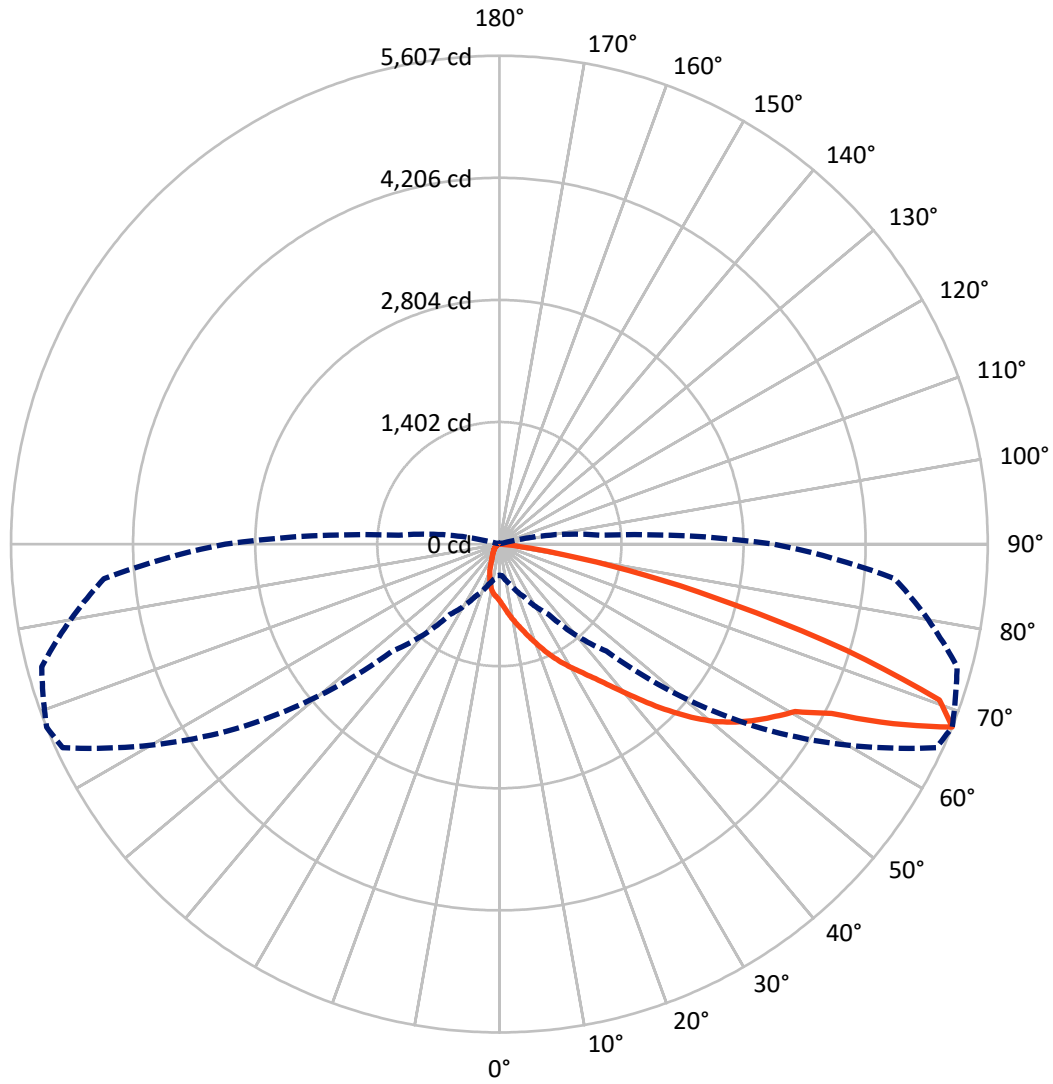
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Short - N/A

REPORT NUMBER: P630790
CATALOG NUMBER: GWS-SA1E-735-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630790

CATALOG NUMBER: GWS-SA1E-735-U-T2-W-HSS

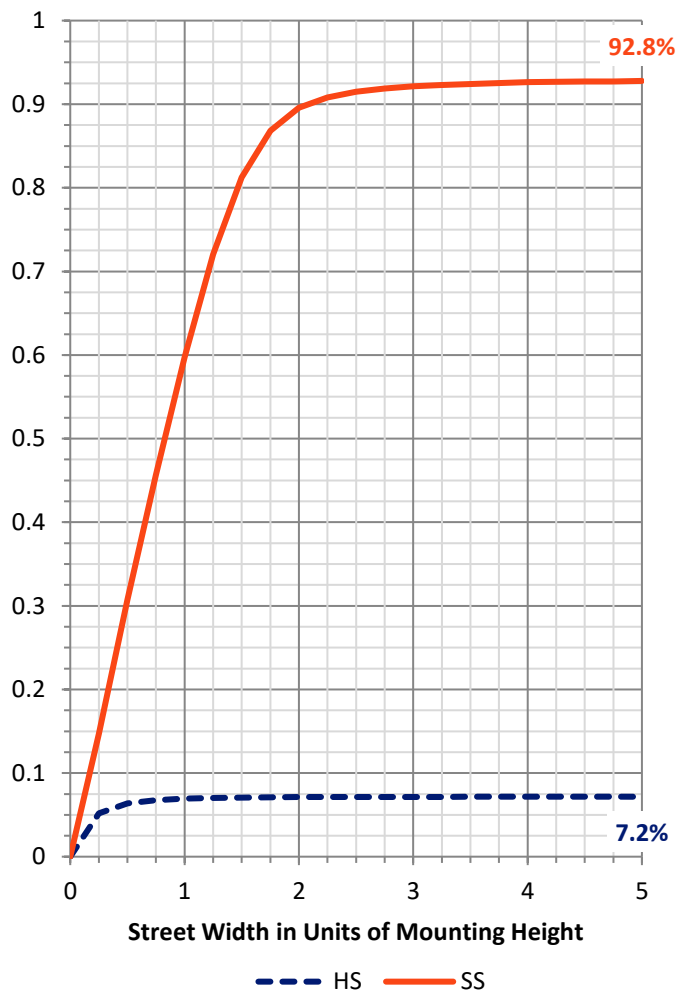
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	404.3	0.0	404.3
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	5194.0	0.0	5194.0
	% Fixture	92.8	0.0	92.8
Total	Lumens	5598.3	0.0	5598.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	1.1
10°-20°	182.5	3.3
20°-30°	313.6	5.6
30°-40°	545.2	9.7
40°-50°	951.3	17.0
50°-60°	1434.8	25.6
60°-70°	1438.7	25.7
70°-80°	634.8	11.3
80°-90°	33.9	0.6
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°	5598.3	100.0
0°-180°	5598.3	100.0

Coefficient of Utilization



REPORT NUMBER: P630790

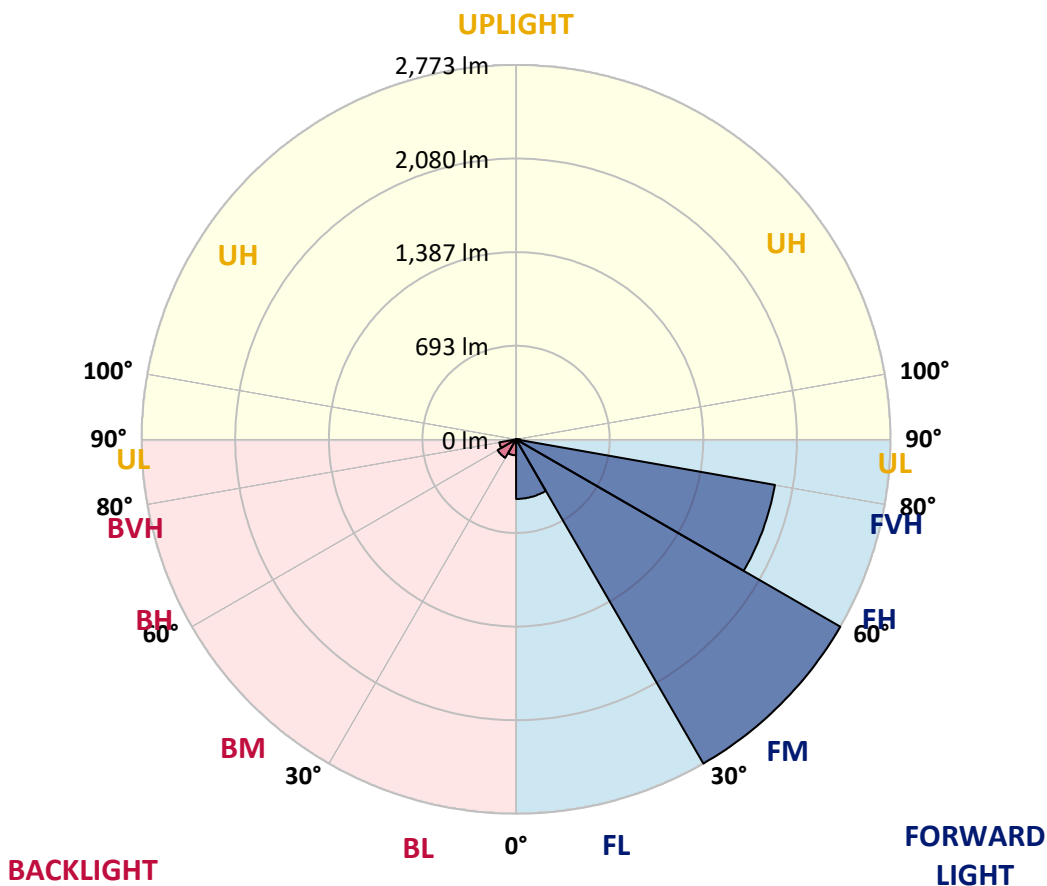
CATALOG NUMBER: GWS-SA1E-735-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.3	7.9			
FM (30°-60°)	2773.4	49.5			
FH (60°-80°)	1947.3	34.8			G2/5000
FVH (80°-90°)	32.0	0.6			G1/100
BL (0°-30°)	118.3	2.1	B1/500		
BM (30°-60°)	157.9	2.8	B0/220		
BH (60°-80°)	126.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.9	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-G2

Type II Short





REPORT NUMBER: P630790

CATALOG NUMBER: GWS-SA1E-735-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5
2.5°	758.7	763.5	758.7	759.7	745.8	739.4	725.4	706.1	701.3	689.0	670.3
5°	851.3	855.6	850.8	849.7	833.7	821.9	798.8	765.6	756.0	731.9	694.9
7.5°	901.7	904.4	906.0	908.7	902.8	893.1	872.2	831.0	820.8	781.7	729.7
10°	907.1	909.2	917.2	933.3	945.1	951.0	939.2	901.2	885.1	847.1	772.6
12.5°	892.1	895.3	908.1	934.9	967.6	997.6	1005.1	971.9	957.4	908.7	822.9
15°	872.2	874.9	892.6	929.0	978.3	1033.5	1064.6	1050.1	1034.0	983.1	878.7
17.5°	841.7	845.4	870.1	919.4	983.1	1061.9	1128.9	1133.7	1122.4	1067.3	940.3
20°	824.6	827.2	849.2	900.1	979.9	1082.8	1188.9	1234.4	1222.1	1164.2	1011.0
22.5°	839.0	841.2	855.6	895.3	969.2	1094.6	1244.6	1335.1	1328.2	1268.2	1085.5
25°	915.1	922.1	913.5	920.5	974.0	1101.0	1289.6	1435.9	1437.5	1376.9	1162.6
27.5°	1069.4	1060.3	1039.9	1005.1	1011.5	1118.2	1328.2	1530.7	1544.6	1483.0	1231.2
30°	1226.4	1221.0	1208.7	1154.6	1109.6	1156.2	1360.9	1627.7	1649.6	1587.5	1292.3
32.5°	1402.7	1408.0	1386.0	1321.2	1244.6	1233.3	1394.6	1719.8	1761.1	1705.9	1364.1
35°	1613.2	1614.8	1571.4	1499.6	1412.8	1360.9	1455.2	1821.6	1897.7	1857.0	1460.0
37.5°	1818.4	1828.1	1804.5	1691.4	1614.3	1519.5	1555.3	1952.4	2059.5	2043.4	1580.5
40°	2000.0	2015.0	2007.5	1898.2	1797.0	1717.2	1710.7	2105.6	2255.1	2273.3	1739.7
42.5°	2144.7	2154.3	2160.2	2082.5	1993.1	1948.1	1902.5	2283.5	2486.0	2560.5	1934.7
45°	2297.4	2300.6	2312.9	2260.4	2182.2	2186.0	2129.2	2499.4	2729.2	2878.7	2158.6
47.5°	2491.9	2502.6	2496.7	2441.5	2370.8	2413.1	2363.3	2721.7	2969.3	3218.4	2387.9
50°	2728.7	2739.9	2734.6	2670.3	2591.5	2609.2	2578.1	2937.6	3200.7	3538.8	2578.7
52.5°	2850.8	2860.0	2926.4	2955.3	2914.1	2801.6	2761.4	3175.0	3396.3	3802.4	2753.9
55°	2791.9	2798.3	2943.0	3065.2	3216.2	3103.7	2945.7	3358.2	3568.8	4008.1	2884.1
57.5°	2547.6	2582.4	2779.1	2985.9	3303.6	3402.2	3244.6	3557.5	3734.9	4151.2	3012.1
60°	2046.7	2045.0	2326.9	2698.2	3133.2	3484.1	3666.8	3827.0	3901.5	4261.0	3183.6
62.5°	1131.0	1141.2	1516.2	2005.4	2659.6	3272.0	3983.5	4292.6	4281.4	4452.8	3452.0
65°	563.1	583.5	787.1	1148.7	1769.7	2704.0	4038.1	5003.0	4970.9	4904.5	4006.5
67.5°	357.4	365.4	477.9	667.6	983.7	1738.0	3697.9	5532.9	5607.4	5440.2	4556.7
70°	231.5	244.8	332.2	456.5	593.6	895.8	2708.9	5189.5	5360.4	5381.3	4213.9
72.5°	125.9	135.6	212.2	325.7	428.6	447.9	1521.6	3894.5	4169.4	4564.8	3296.6
75°	71.8	78.8	116.3	221.3	314.5	272.7	674.5	2607.1	2782.3	3262.3	2362.2
77.5°	43.4	49.3	65.4	107.7	197.2	182.2	255.0	1587.0	1698.4	1946.5	1239.8
80°	19.8	23.6	41.3	59.5	107.7	86.3	97.5	739.9	764.0	798.8	410.4
82.5°	9.1	10.7	18.8	35.4	61.1	49.8	37.5	170.9	240.6	227.7	104.5
85°	1.1	1.1	7.0	14.5	17.1	12.9	15.5	38.6	48.8	68.6	30.0
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	3.2	4.8	7.0	11.3	7.5
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: P630790
 CATALOG NUMBER: GWS-SA1E-735-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5
2.5°	661.7	646.7	633.3	613.5	600.1	585.1	574.9	562.6	557.7	554.0	548.6
5°	676.7	652.6	619.9	583.5	553.5	525.1	498.8	481.7	466.7	464.5	457.0
7.5°	701.3	665.4	610.2	550.8	499.9	452.7	415.8	385.8	370.8	365.9	357.4
10°	734.0	684.7	595.8	504.7	431.3	375.0	333.3	299.5	275.9	267.4	260.9
12.5°	770.4	702.4	572.7	447.9	364.3	300.0	247.0	211.1	196.1	190.7	185.9
15°	812.2	719.0	536.3	391.1	299.0	220.7	183.2	167.7	161.3	159.7	158.1
17.5°	852.4	729.7	492.9	332.2	229.8	171.4	153.8	147.9	146.3	144.7	143.6
20°	898.0	737.2	442.0	276.5	178.4	145.2	136.6	132.3	129.1	125.9	125.4
22.5°	944.6	737.2	386.8	221.8	149.5	130.2	120.5	112.5	106.6	103.4	102.3
25°	989.0	727.0	332.2	177.3	131.8	115.7	103.4	94.3	86.3	82.5	81.4
27.5°	1020.6	700.8	284.5	150.0	119.5	102.9	87.9	77.7	71.3	67.5	67.0
30°	1040.5	661.7	240.6	133.9	108.8	89.5	74.5	65.9	61.1	58.4	57.3
32.5°	1055.5	613.5	201.5	122.7	98.6	77.7	64.8	57.9	53.6	51.4	50.9
35°	1085.5	567.9	172.5	112.5	87.9	68.0	56.8	51.4	48.2	45.5	45.0
37.5°	1127.3	529.9	149.5	103.4	77.7	60.5	51.4	46.6	43.9	41.3	40.7
40°	1188.9	505.8	132.3	94.3	68.6	54.6	47.1	42.9	39.1	36.4	35.9
42.5°	1283.7	494.5	121.1	85.2	60.5	49.3	43.4	38.0	34.3	31.6	31.1
45°	1396.8	500.4	111.4	76.1	55.2	45.5	38.6	33.2	29.5	26.8	26.3
47.5°	1517.8	521.3	103.4	67.5	49.8	41.8	34.3	28.4	25.2	22.5	22.0
50°	1644.3	555.6	96.4	59.5	45.5	37.5	29.5	24.6	21.4	19.3	18.8
52.5°	1754.1	602.2	89.5	53.6	41.8	33.2	25.7	21.4	18.2	16.1	15.5
55°	1859.1	646.1	84.1	48.2	37.5	28.9	22.5	18.2	15.5	13.4	12.9
57.5°	1973.3	692.8	77.7	43.4	33.8	25.7	19.8	15.5	13.4	11.3	10.7
60°	2139.3	761.9	68.0	39.6	29.5	22.5	17.1	13.9	11.8	9.1	8.6
62.5°	2378.8	887.8	57.3	34.3	25.2	19.3	14.5	11.8	9.6	7.5	6.4
65°	2826.7	1102.1	47.1	28.4	20.4	16.1	12.3	9.6	7.5	5.4	4.8
67.5°	3149.3	1157.8	38.0	23.0	16.6	12.3	10.2	7.5	5.4	3.8	3.2
70°	2753.3	831.5	29.5	18.8	13.9	9.6	8.0	5.9	3.8	2.7	2.1
72.5°	2074.5	543.3	22.0	14.5	10.7	8.0	5.9	4.8	3.2	2.1	1.6
75°	1462.1	314.0	16.1	10.7	7.5	5.9	4.8	3.8	2.7	1.6	1.6
77.5°	749.5	129.7	11.3	7.5	5.4	3.8	3.2	2.1	2.1	1.6	1.1
80°	227.7	42.9	6.4	4.8	3.8	2.7	1.6	1.6	1.6	1.1	0.5
82.5°	52.0	13.9	3.8	3.8	2.7	2.1	1.6	0.5	0.5	0.0	0.0
85°	13.4	4.3	3.2	2.7	2.7	2.1	1.1	0.5	0.0	0.0	0.0
87.5°	4.8	2.7	2.7	2.7	2.1	1.6	1.1	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)