

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: P636294

Luminaire Tested: GWS-SA3F-740-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19718.9 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

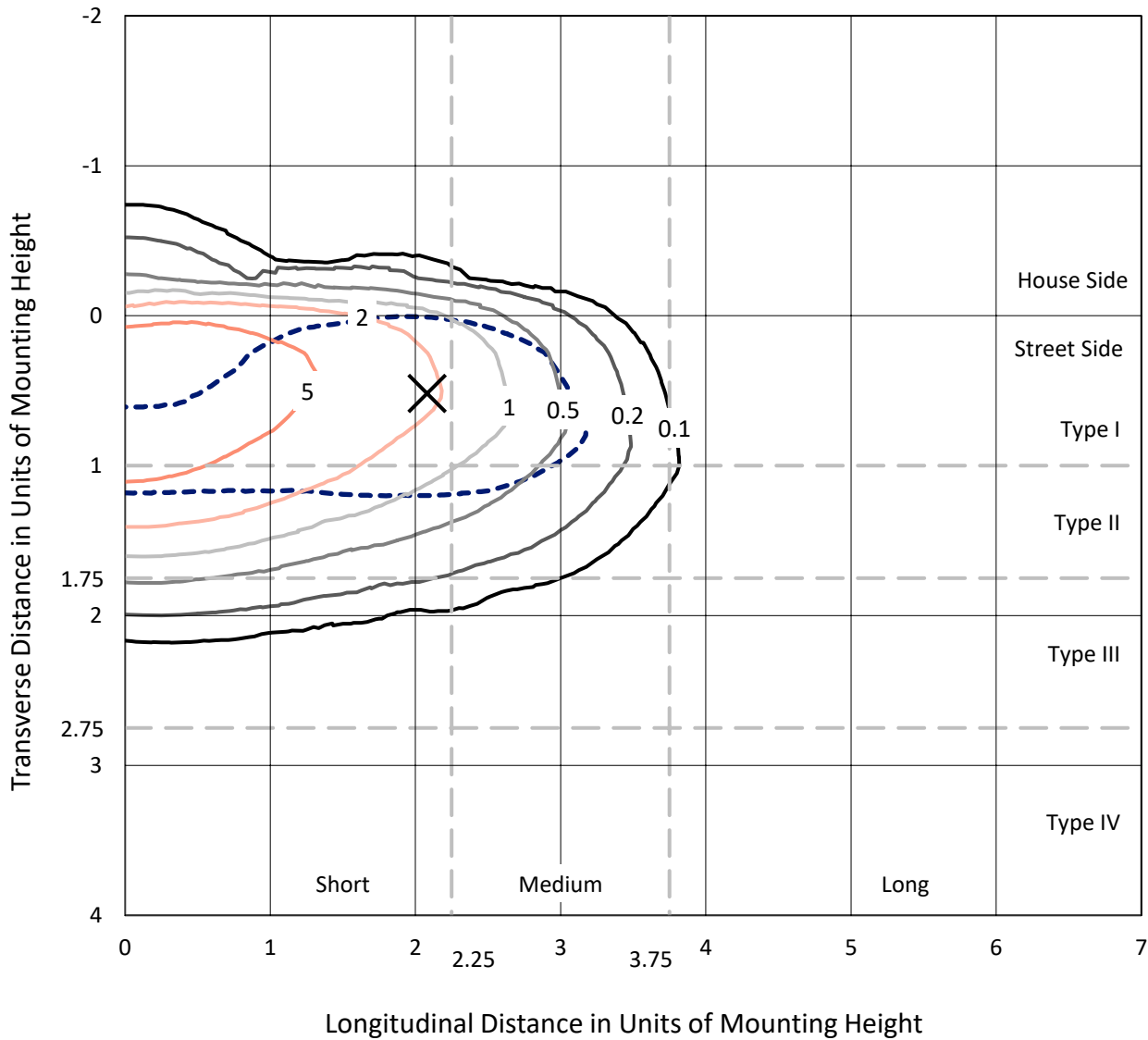
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636294
 CATALOG NUMBER: GWS-SA3F-740-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

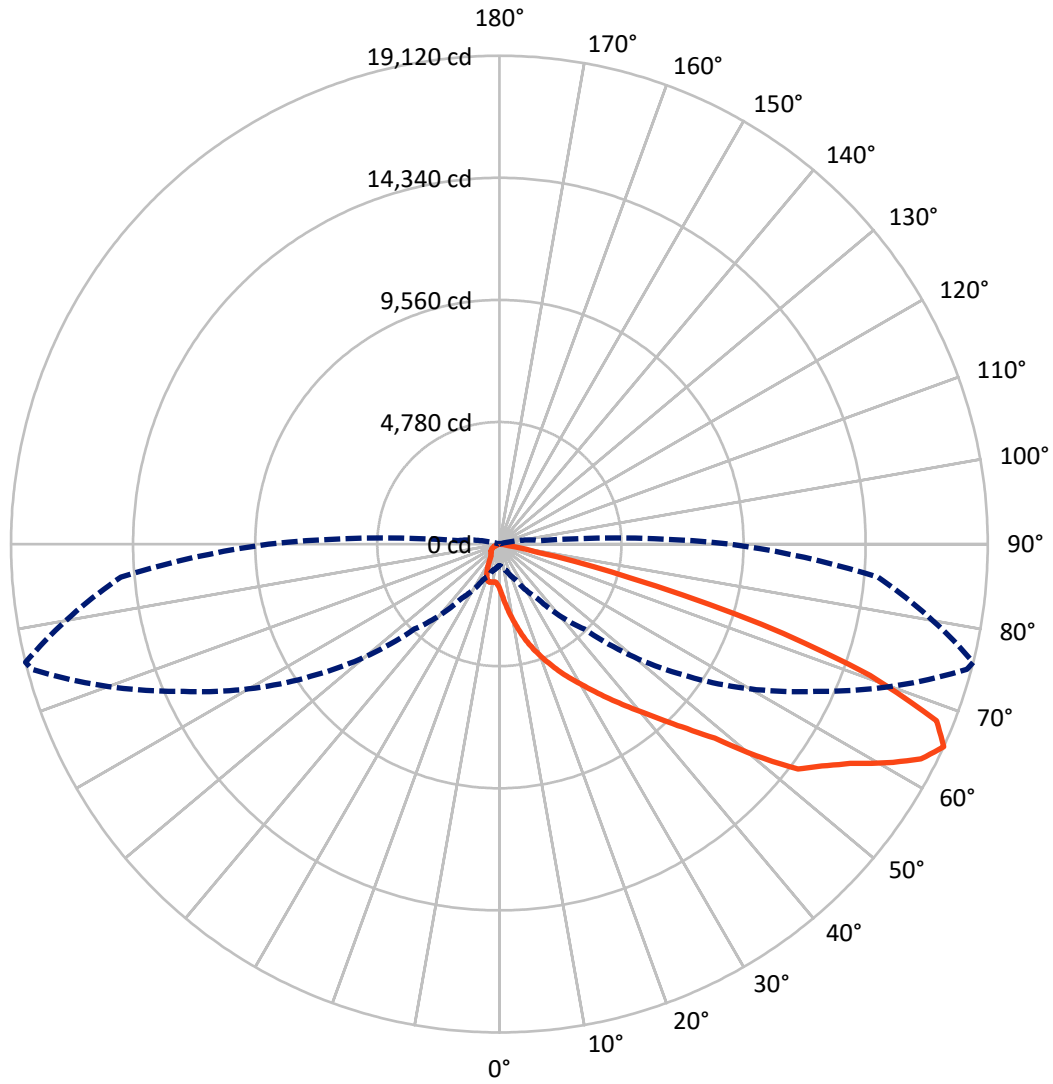
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

REPORT NUMBER: P636294
CATALOG NUMBER: GWS-SA3F-740-U-T2R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636294
 CATALOG NUMBER: GWS-SA3F-740-U-T2R-W-HSS

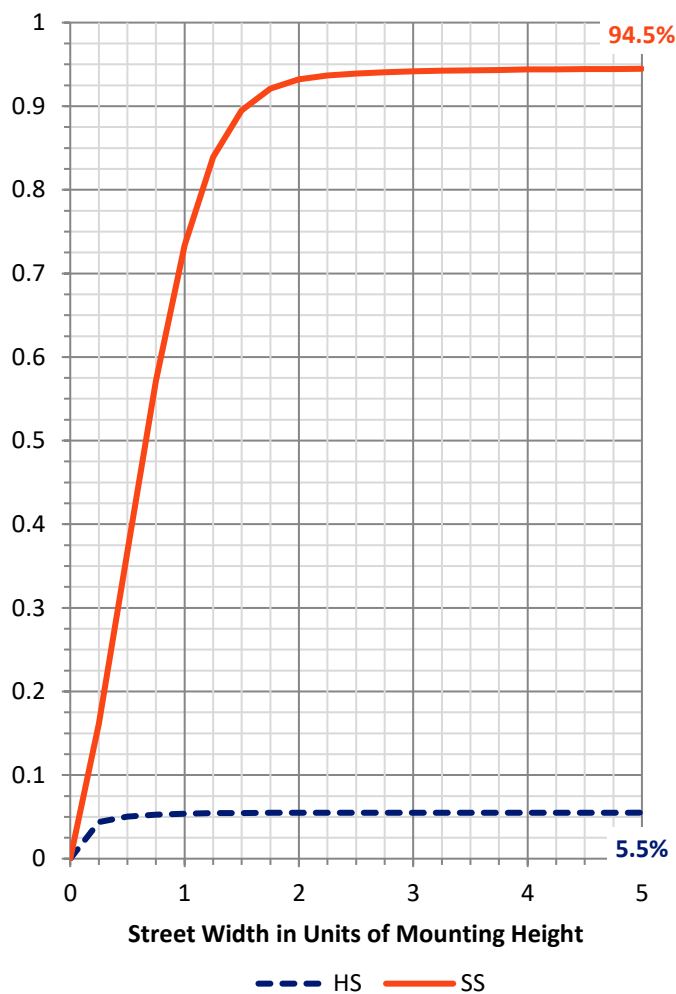
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1090.3	0.0	1090.3
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	18628.6	0.0	18628.6
	% Fixture	94.5	0.0	94.5
Total	Lumens	19718.9	0.0	19718.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	1.1
10°-20°	805.9	4.1
20°-30°	1644.2	8.3
30°-40°	2924.2	14.8
40°-50°	4322.7	21.9
50°-60°	4949.2	25.1
60°-70°	3776.0	19.1
70°-80°	1057.7	5.4
80°-90°	26.6	0.1
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°	19718.9	100.0
0°-180°	19718.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636294

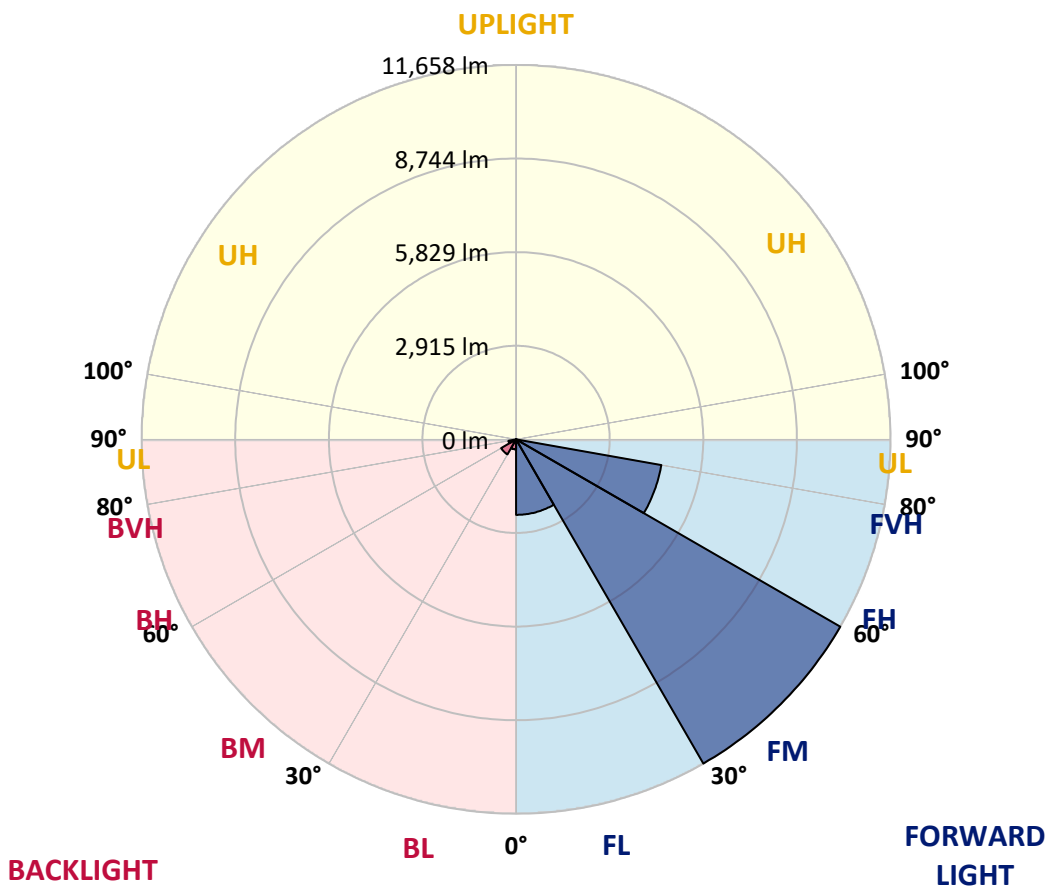
CATALOG NUMBER: GWS-SA3F-740-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2351.3	11.9			
FM (30°-60°)	11658.1	59.1			
FH (60°-80°)	4594.0	23.3			G2/5000
FVH (80°-90°)	25.1	0.1			G1/100
BL (0°-30°)	311.1	1.6	B1/500		
BM (30°-60°)	538.0	2.7	B1/1000		
BH (60°-80°)	239.7	1.2	B1/500		G1/500
BVH (80°-90°)	1.6	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: P636294

CATALOG NUMBER: GWS-SA3F-740-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8
2.5°	2690.6	2730.9	2699.4	2646.8	2545.1	2447.0	2320.8	2147.2	2008.8	1991.2	1861.5
5°	3633.7	3630.2	3561.8	3493.4	3386.5	3218.2	2964.1	2641.5	2331.3	2305.0	2014.0
7.5°	4194.6	4199.8	4161.3	4108.7	4003.5	3830.0	3565.3	3176.2	2722.2	2669.6	2222.6
10°	4666.1	4664.3	4636.3	4611.8	4517.1	4401.4	4117.5	3689.8	3142.9	3060.5	2455.7
12.5°	5020.2	5032.4	5046.5	5071.0	5030.7	4916.8	4648.6	4182.3	3568.8	3477.7	2722.2
15°	5300.6	5304.1	5356.7	5451.4	5484.7	5425.1	5181.4	4659.1	3989.5	3910.6	3028.9
17.5°	5384.8	5391.8	5481.2	5654.7	5830.0	5863.3	5679.2	5139.4	4403.2	4319.0	3326.9
20°	5561.8	5577.6	5644.2	5796.7	6017.5	6196.3	6124.5	5624.9	4816.8	4706.4	3631.9
22.5°	6119.2	6128.0	6105.2	6124.5	6238.4	6445.2	6489.1	6094.7	5241.0	5123.6	3961.4
25°	7078.0	7081.5	6922.0	6771.3	6685.4	6723.9	6820.4	6527.6	5661.7	5546.0	4268.2
27.5°	8073.6	8085.9	7894.9	7638.9	7332.2	7156.9	7128.9	6923.8	6085.9	5957.9	4571.4
30°	9011.4	9011.4	8809.8	8497.8	8087.7	7745.9	7544.3	7323.4	6539.9	6399.7	4881.7
32.5°	9854.5	9847.5	9589.9	9251.6	8846.7	8471.5	8047.3	7740.6	7044.7	6888.7	5239.3
35°	10550.4	10532.9	10240.2	9915.9	9482.9	9204.2	8731.0	8189.3	7591.6	7435.6	5607.4
37.5°	11076.3	11057.0	10788.8	10445.3	10043.8	9863.3	9467.2	8727.5	8168.3	8026.3	6015.8
40°	11362.0	11323.4	11137.6	10881.7	10545.2	10387.4	10222.6	9395.3	8846.7	8669.6	6497.8
42.5°	11446.1	11400.6	11277.9	11158.7	10955.3	10830.9	11007.9	10149.0	9591.6	9439.1	7048.2
45°	11197.2	11170.9	11160.4	11246.3	11283.1	11318.2	11754.6	10983.4	10413.7	10298.0	7740.6
47.5°	10597.8	10590.7	10683.6	11041.2	11430.4	11800.2	12566.2	12012.3	11479.4	11355.0	8708.2
50°	9489.9	9561.8	9821.2	10448.8	11227.0	12073.7	13325.2	13439.1	13204.2	13021.9	9970.2
52.5°	7758.1	7896.6	8478.6	9432.1	10550.4	11996.5	13675.8	14582.0	14822.1	14632.8	10874.7
55°	6087.7	6217.4	6736.2	7945.7	9437.4	11409.3	13691.5	14976.4	15500.5	15325.2	11486.4
57.5°	4534.6	4653.8	5125.3	6282.2	7922.9	10254.2	13316.4	15195.5	16305.0	16192.9	12452.3
60°	2964.1	3081.5	3507.5	4518.9	6145.5	8571.5	12392.7	15149.9	17400.6	17390.1	13639.0
62.5°	1644.2	1737.1	2045.6	2834.4	4289.2	6638.1	10941.3	14692.4	18461.1	18527.7	14617.0
65°	841.4	901.0	1088.5	1558.3	2596.0	4706.4	9032.5	13644.2	18951.8	19120.1	14874.7
67.5°	550.4	569.7	615.3	809.8	1390.0	2960.6	6797.6	11963.2	18261.2	18457.5	14010.6
70°	447.0	462.8	489.0	539.9	716.9	1572.3	4464.5	9554.8	15258.6	15391.8	11156.9
72.5°	327.8	348.8	399.7	433.0	517.1	862.4	2322.5	6271.7	10478.6	10713.4	7011.4
75°	241.9	254.2	296.2	341.8	422.4	545.1	888.7	3297.1	5411.1	5274.3	2944.8
77.5°	145.5	154.3	189.3	219.1	301.5	340.1	310.3	1218.2	1645.9	1547.8	711.7
80°	71.9	80.6	124.5	164.8	192.8	136.7	129.7	340.1	366.3	366.3	178.8
82.5°	24.5	31.6	66.6	108.7	94.7	52.6	61.3	87.6	98.2	103.4	52.6
85°	0.0	0.0	15.8	31.6	14.0	7.0	15.8	19.3	24.5	26.3	17.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.3	7.0	7.0
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: P636294

CATALOG NUMBER: GWS-SA3F-740-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8
2.5°	1791.4	1709.0	1584.6	1472.4	1386.5	1305.9	1244.5	1195.4	1186.7	1158.6	1162.1
5°	1872.0	1723.1	1493.4	1316.4	1191.9	1107.8	1037.7	985.1	962.3	939.5	922.0
7.5°	1996.5	1780.9	1458.4	1242.8	1097.3	967.6	858.9	771.3	729.2	702.9	685.4
10°	2149.0	1861.5	1460.1	1199.0	983.4	785.3	636.3	539.9	494.3	480.3	478.5
12.5°	2331.3	1963.2	1474.1	1127.1	818.6	583.7	471.5	427.7	413.7	401.4	401.4
15°	2524.1	2077.1	1474.1	995.6	624.0	455.7	408.4	380.4	362.8	355.8	352.3
17.5°	2727.4	2184.1	1439.1	815.1	478.5	401.4	362.8	336.5	322.5	312.0	308.5
20°	2944.8	2285.7	1351.4	624.0	410.2	359.3	322.5	296.2	282.2	271.7	271.7
22.5°	3165.7	2380.4	1209.5	480.3	362.8	319.0	284.0	259.4	245.4	234.9	234.9
25°	3370.7	2443.5	1027.2	396.1	327.8	284.0	252.4	227.9	212.1	205.1	201.6
27.5°	3561.8	2483.8	825.6	348.8	294.5	254.2	220.9	198.1	185.8	180.5	177.0
30°	3759.9	2494.3	631.0	317.3	266.4	224.4	192.8	175.3	164.8	157.8	157.8
32.5°	3952.7	2482.0	482.0	291.0	241.9	198.1	171.8	156.0	147.2	142.0	140.2
35°	4149.0	2425.9	390.9	268.2	217.4	173.5	152.5	140.2	135.0	128.0	128.0
37.5°	4362.9	2350.6	340.1	245.4	192.8	156.0	136.7	128.0	120.9	115.7	113.9
40°	4629.3	2262.9	312.0	226.1	170.0	140.2	122.7	113.9	108.7	103.4	101.7
42.5°	4944.8	2177.0	298.0	205.1	152.5	124.5	110.4	99.9	94.7	87.6	85.9
45°	5391.8	2157.8	282.2	182.3	136.7	112.2	96.4	85.9	78.9	73.6	71.9
47.5°	6110.4	2212.1	255.9	157.8	120.9	98.2	82.4	73.6	64.9	59.6	56.1
50°	6823.9	2198.1	229.6	136.7	106.9	84.1	70.1	61.3	52.6	47.3	45.6
52.5°	7213.0	2131.5	205.1	120.9	92.9	71.9	59.6	49.1	43.8	38.6	36.8
55°	7565.3	2105.2	180.5	105.2	78.9	63.1	49.1	40.3	36.8	31.6	29.8
57.5°	8255.9	2166.5	159.5	91.1	68.4	54.3	42.1	33.3	29.8	24.5	22.8
60°	8978.1	2173.5	136.7	78.9	59.6	45.6	33.3	26.3	22.8	17.5	15.8
62.5°	9355.0	1996.5	112.2	66.6	49.1	38.6	28.0	21.0	17.5	10.5	10.5
65°	9039.5	1614.4	94.7	54.3	38.6	29.8	21.0	15.8	10.5	5.3	1.8
67.5°	8000.0	1148.1	78.9	43.8	28.0	21.0	15.8	10.5	1.8	0.0	0.0
70°	5858.0	655.6	61.3	31.6	21.0	14.0	10.5	5.3	0.0	0.0	0.0
72.5°	3600.4	350.6	45.6	21.0	15.8	10.5	8.8	3.5	0.0	0.0	0.0
75°	1365.5	168.3	28.0	14.0	12.3	8.8	5.3	1.8	0.0	0.0	0.0
77.5°	369.9	82.4	15.8	10.5	8.8	5.3	3.5	0.0	0.0	0.0	0.0
80°	96.4	38.6	10.5	7.0	5.3	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	33.3	17.5	5.3	5.3	3.5	1.8	0.0	0.0	0.0	0.0	0.0
85°	14.0	7.0	3.5	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	1.8	1.8	1.8	1.8	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)