

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: P643774

Luminaire Tested: GWS-SA6F-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643774
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-SAGF-750-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41058.4 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

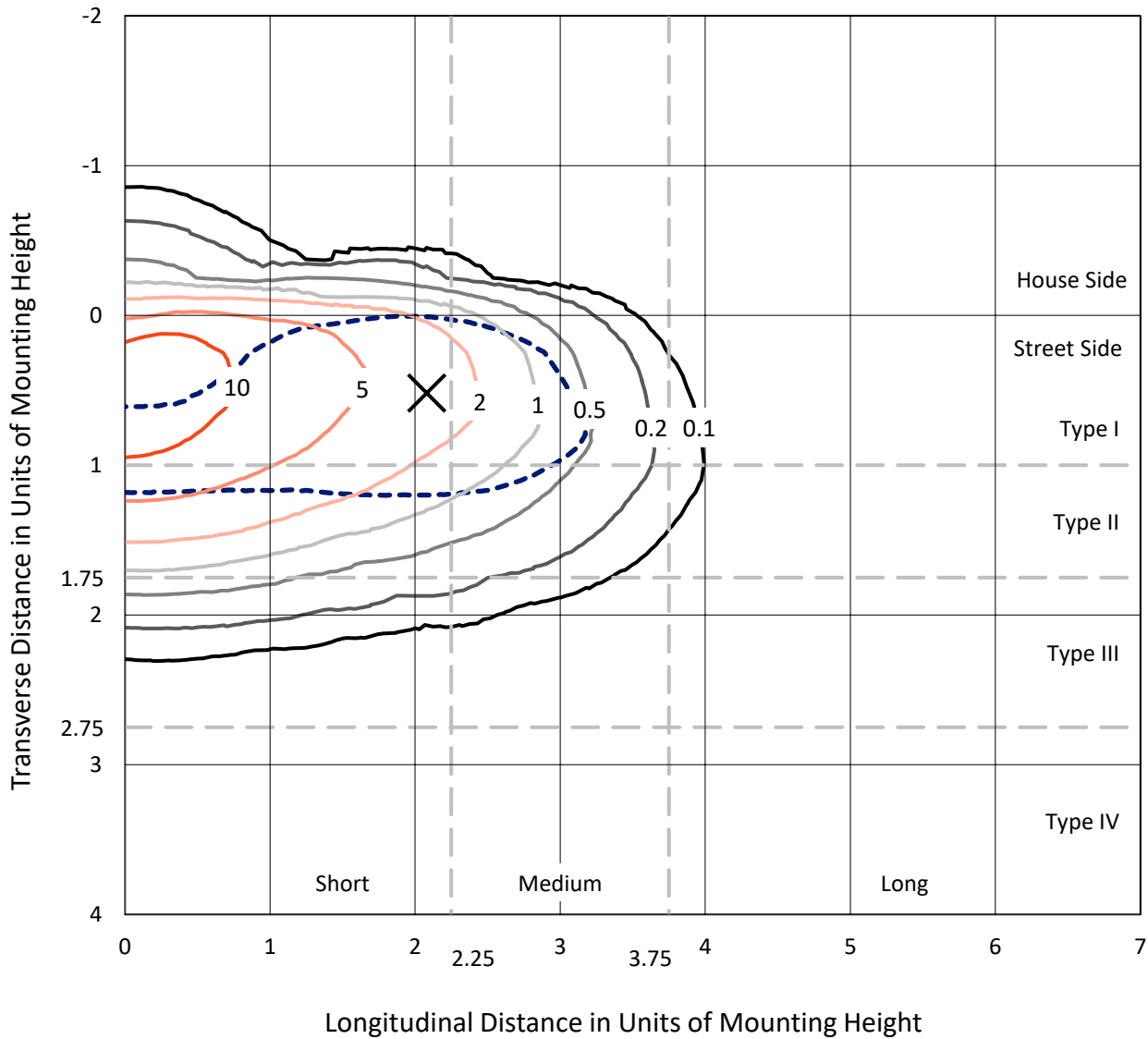
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643774
 CATALOG NUMBER: GWS-SA6F-750-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

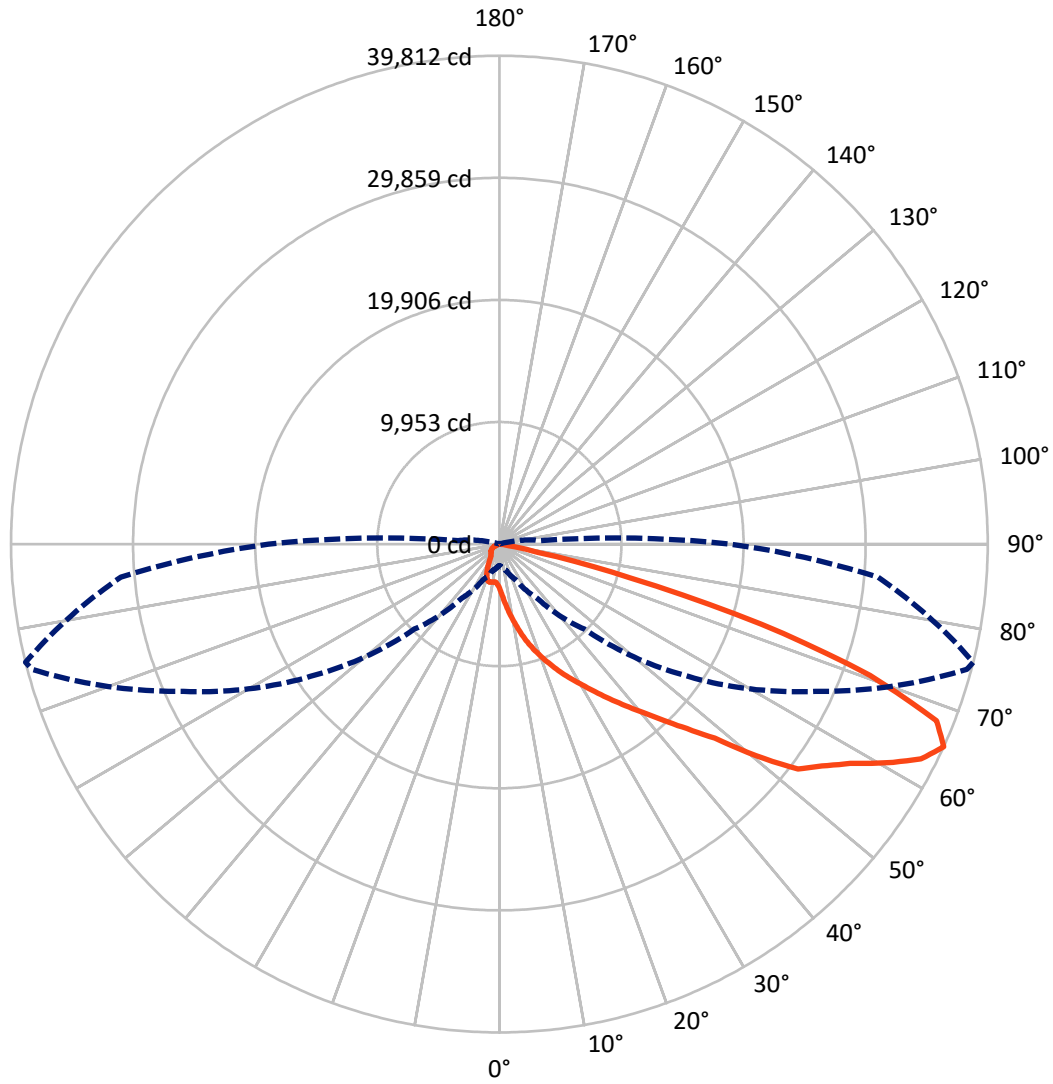
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.7 fc
 Type II - Short - N/A

REPORT NUMBER: P643774
CATALOG NUMBER: GWS-SA6F-750-U-T2R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643774
 CATALOG NUMBER: GWS-SA6F-750-U-T2R-W-HSS

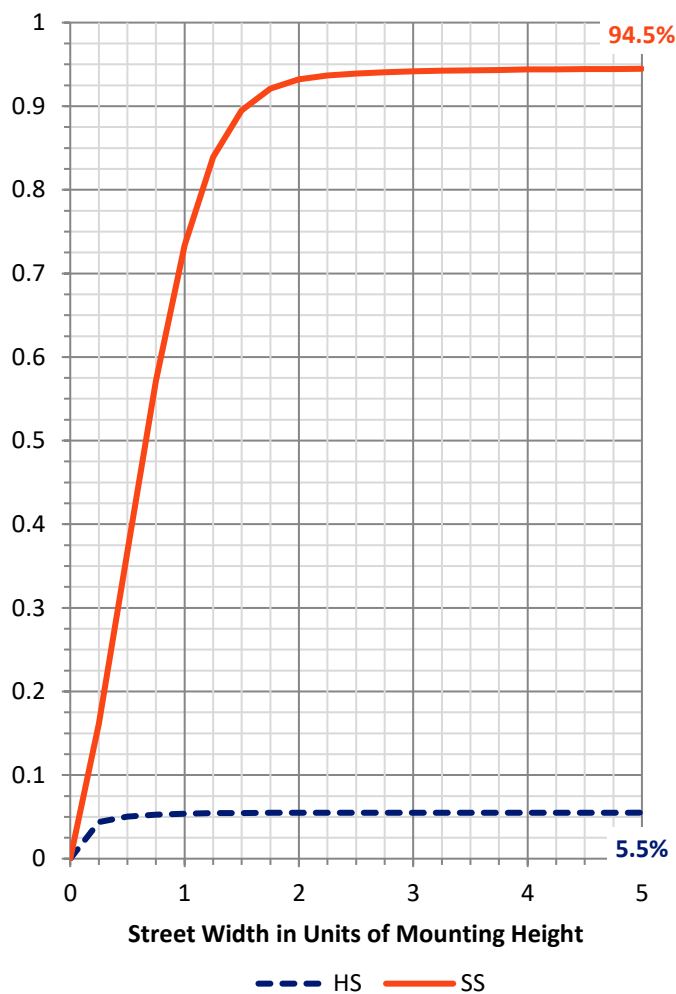
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2270.3	0.0	2270.3
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	38788.1	0.0	38788.1
	% Fixture	94.5	0.0	94.5
Total	Lumens	41058.4	0.0	41058.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.2	1.1
10°-20°	1678.1	4.1
20°-30°	3423.5	8.3
30°-40°	6088.8	14.8
40°-50°	9000.7	21.9
50°-60°	10305.1	25.1
60°-70°	7862.3	19.1
70°-80°	2202.4	5.4
80°-90°	55.4	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°	41058.4	100.0
0°-180°	41058.4	100.0

Coefficient of Utilization



REPORT NUMBER: P643774

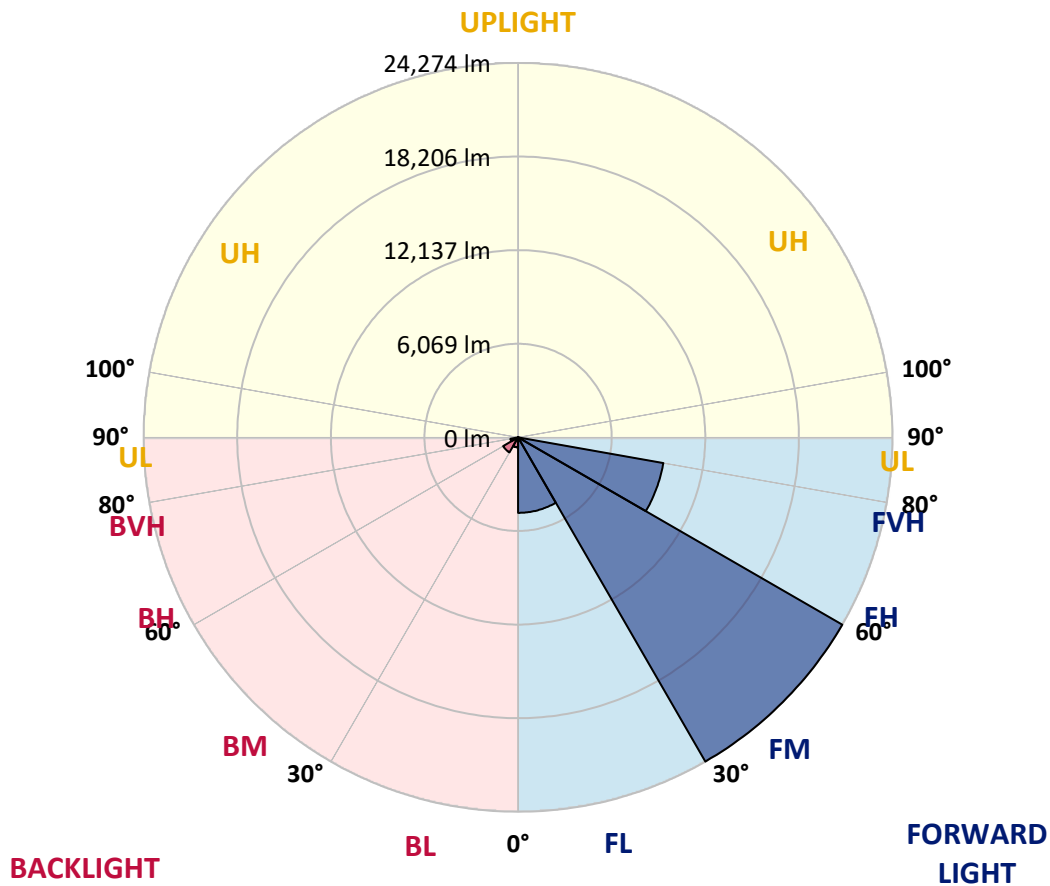
CATALOG NUMBER: GWS-SA6F-750-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4895.9	11.9			
FM (30°-60°)	24274.4	59.1			
FH (60°-80°)	9565.6	23.3			G4/12000
FVH (80°-90°)	52.2	0.1			G1/100
BL (0°-30°)	647.8	1.6	B2/1000		
BM (30°-60°)	1120.1	2.7	B2/2500		
BH (60°-80°)	499.1	1.2	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Short





REPORT NUMBER: P643774

CATALOG NUMBER: GWS-SA6F-750-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2
2.5°	5602.4	5686.3	5620.6	5511.1	5299.5	5095.1	4832.3	4471.0	4182.6	4146.1	3876.1
5°	7566.0	7558.7	7416.3	7274.0	7051.3	6701.0	6171.8	5500.2	4854.2	4799.4	4193.6
7.5°	8733.9	8744.8	8664.5	8555.0	8336.1	7974.7	7423.6	6613.4	5668.1	5558.6	4627.9
10°	9715.7	9712.0	9653.6	9602.5	9405.4	9164.6	8573.3	7682.8	6544.0	6372.5	5113.3
12.5°	10452.9	10478.5	10507.7	10558.8	10474.8	10237.6	9679.2	8708.3	7430.9	7241.1	5668.1
15°	11036.9	11044.2	11153.7	11350.8	11420.1	11296.0	10788.7	9701.1	8306.9	8142.6	6306.8
17.5°	11212.1	11226.7	11412.8	11774.1	12139.1	12208.5	11825.2	10701.1	9168.2	8993.0	6927.3
20°	11580.7	11613.6	11752.2	12069.8	12529.6	12901.9	12752.3	11712.1	10029.6	9799.6	7562.3
22.5°	12741.3	12759.6	12712.1	12752.3	12989.5	13420.2	13511.4	12690.2	10912.8	10668.3	8248.5
25°	14737.8	14745.1	14412.9	14099.0	13920.2	14000.5	14201.2	13591.7	11788.7	11547.9	8887.2
27.5°	16810.8	16836.4	16438.5	15905.7	15267.0	14902.0	14843.6	14416.6	12672.0	12405.6	9518.6
30°	18763.4	18763.4	18343.7	17694.1	16840.0	16128.3	15708.6	15248.7	13617.3	13325.3	10164.6
32.5°	20519.0	20504.4	19967.9	19263.5	18420.4	17639.3	16756.1	16117.4	14668.4	14343.6	10909.1
35°	21967.9	21931.4	21321.9	20646.7	19745.2	19164.9	18179.5	17051.7	15807.1	15482.3	11675.6
37.5°	23062.9	23022.7	22464.3	21748.9	20913.2	20537.2	19712.4	18172.2	17007.9	16712.3	12526.0
40°	23657.8	23577.5	23190.6	22657.7	21957.0	21628.5	21285.4	19562.7	18420.4	18051.7	13529.7
42.5°	23833.0	23738.1	23482.6	23234.4	22811.0	22551.9	22920.5	21132.1	19971.5	19654.0	14675.7
45°	23314.7	23260.0	23238.1	23416.9	23493.5	23566.5	24475.3	22869.4	21683.3	21442.4	16117.4
47.5°	22066.5	22051.9	22245.3	22989.9	23800.1	24570.2	26165.2	25011.8	23902.3	23643.2	18132.0
50°	19759.8	19909.5	20449.6	21756.2	23376.7	25139.6	27745.5	27982.7	27493.7	27114.1	20759.9
52.5°	16153.9	16442.2	17653.9	19639.4	21967.9	24979.0	28475.5	30362.4	30862.4	30468.2	22643.1
55°	12675.6	12945.7	14026.0	16544.4	19650.3	23756.3	28508.3	31183.6	32274.9	31909.9	23916.9
57.5°	9441.9	9690.1	10671.9	13080.8	16496.9	21351.1	27727.3	31639.8	33950.1	33716.5	25927.9
60°	6171.8	6416.3	7303.2	9409.1	12796.1	17847.4	25803.8	31544.9	36231.2	36209.3	28398.8
62.5°	3423.5	3616.9	4259.3	5901.7	8931.0	13821.7	22781.8	30592.3	38439.3	38578.0	30435.4
65°	1751.9	1876.0	2266.5	3244.6	5405.3	9799.6	18807.2	28409.8	39461.3	39811.6	30971.9
67.5°	1146.0	1186.2	1281.1	1686.2	2894.3	6164.5	14153.8	24909.6	38023.3	38432.0	29172.6
70°	930.7	963.5	1018.3	1124.1	1492.8	3273.8	9296.0	19894.9	31771.2	32048.6	23230.8
72.5°	682.5	726.3	832.1	901.5	1076.7	1795.7	4835.9	13058.9	21818.3	22307.4	14599.1
75°	503.7	529.2	616.8	711.7	879.6	1135.1	1850.4	6865.2	11266.8	10982.1	6131.6
77.5°	302.9	321.2	394.2	456.2	627.8	708.1	646.0	2536.6	3427.1	3222.7	1481.8
80°	149.6	167.9	259.1	343.1	401.5	284.7	270.1	708.1	762.8	762.8	372.3
82.5°	51.1	65.7	138.7	226.3	197.1	109.5	127.7	182.5	204.4	215.3	109.5
85°	0.0	0.0	32.8	65.7	29.2	14.6	32.8	40.1	51.1	54.7	36.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	10.9	14.6	14.6
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: P643774

CATALOG NUMBER: GWS-SA6F-750-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2	3635.2
2.5°	3730.1	3558.5	3299.4	3065.8	2887.0	2719.1	2591.3	2489.1	2470.9	2412.5	2419.8
5°	3897.9	3587.7	3109.6	2741.0	2481.8	2306.7	2160.7	2051.2	2003.7	1956.3	1919.8
7.5°	4157.1	3708.2	3036.6	2587.7	2284.8	2014.7	1788.4	1605.9	1518.3	1463.6	1427.1
10°	4474.6	3876.1	3040.3	2496.4	2047.5	1635.1	1324.9	1124.1	1029.2	1000.0	996.4
12.5°	4854.2	4087.7	3069.5	2346.8	1704.4	1215.4	981.8	890.5	861.3	835.8	835.8
15°	5255.7	4325.0	3069.5	2073.1	1299.3	948.9	850.4	792.0	755.5	740.9	733.6
17.5°	5679.0	4547.6	2996.5	1697.1	996.4	835.8	755.5	700.8	671.6	649.7	642.4
20°	6131.6	4759.3	2814.0	1299.3	854.0	748.2	671.6	616.8	587.6	565.7	565.7
22.5°	6591.5	4956.4	2518.3	1000.0	755.5	664.3	591.3	540.2	511.0	489.1	489.1
25°	7018.5	5087.8	2138.8	824.8	682.5	591.3	525.6	474.5	441.6	427.0	419.7
27.5°	7416.3	5171.7	1719.0	726.3	613.2	529.2	459.9	412.4	386.9	375.9	368.6
30°	7828.7	5193.6	1313.9	660.6	554.8	467.2	401.5	365.0	343.1	328.5	328.5
32.5°	8230.2	5168.1	1003.7	605.9	503.7	412.4	357.7	324.8	306.6	295.6	292.0
35°	8639.0	5051.3	813.9	558.4	452.6	361.3	317.5	292.0	281.0	266.4	266.4
37.5°	9084.3	4894.3	708.1	511.0	401.5	324.8	284.7	266.4	251.8	240.9	237.2
40°	9639.0	4711.8	649.7	470.8	354.0	292.0	255.5	237.2	226.3	215.3	211.7
42.5°	10296.0	4533.0	620.5	427.0	317.5	259.1	229.9	208.0	197.1	182.5	178.8
45°	11226.7	4492.9	587.6	379.6	284.7	233.6	200.7	178.8	164.2	153.3	149.6
47.5°	12723.1	4606.0	532.9	328.5	251.8	204.4	171.5	153.3	135.0	124.1	116.8
50°	14208.5	4576.8	478.1	284.7	222.6	175.2	146.0	127.7	109.5	98.5	94.9
52.5°	15018.8	4438.1	427.0	251.8	193.4	149.6	124.1	102.2	91.2	80.3	76.6
55°	15752.4	4383.4	375.9	219.0	164.2	131.4	102.2	83.9	76.6	65.7	62.0
57.5°	17190.4	4511.1	332.1	189.8	142.3	113.1	87.6	69.3	62.0	51.1	47.4
60°	18694.1	4525.7	284.7	164.2	124.1	94.9	69.3	54.7	47.4	36.5	32.8
62.5°	19478.8	4157.1	233.6	138.7	102.2	80.3	58.4	43.8	36.5	21.9	21.9
65°	18821.8	3361.4	197.1	113.1	80.3	62.0	43.8	32.8	21.9	10.9	3.6
67.5°	16657.5	2390.6	164.2	91.2	58.4	43.8	32.8	21.9	3.6	0.0	0.0
70°	12197.5	1365.0	127.7	65.7	43.8	29.2	21.9	10.9	0.0	0.0	0.0
72.5°	7496.6	730.0	94.9	43.8	32.8	21.9	18.2	7.3	0.0	0.0	0.0
75°	2843.2	350.4	58.4	29.2	25.5	18.2	10.9	3.6	0.0	0.0	0.0
77.5°	770.1	171.5	32.8	21.9	18.2	10.9	7.3	0.0	0.0	0.0	0.0
80°	200.7	80.3	21.9	14.6	10.9	7.3	0.0	0.0	0.0	0.0	0.0
82.5°	69.3	36.5	10.9	10.9	7.3	3.6	0.0	0.0	0.0	0.0	0.0
85°	29.2	14.6	7.3	7.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.9	3.6	3.6	3.6	3.6	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)