

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: P643262

Luminaire Tested: GWS-SA6E-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36078.8 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

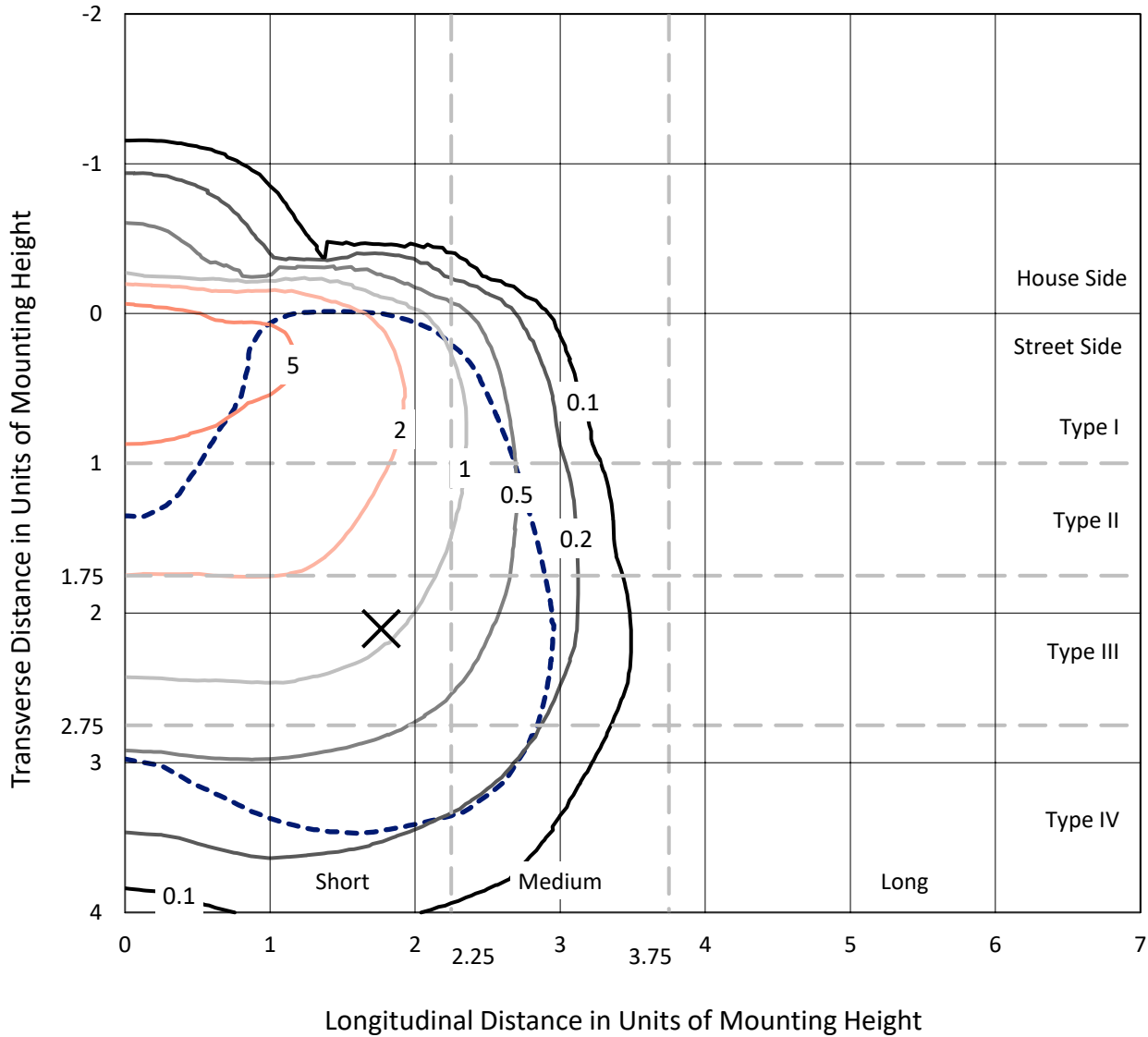
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

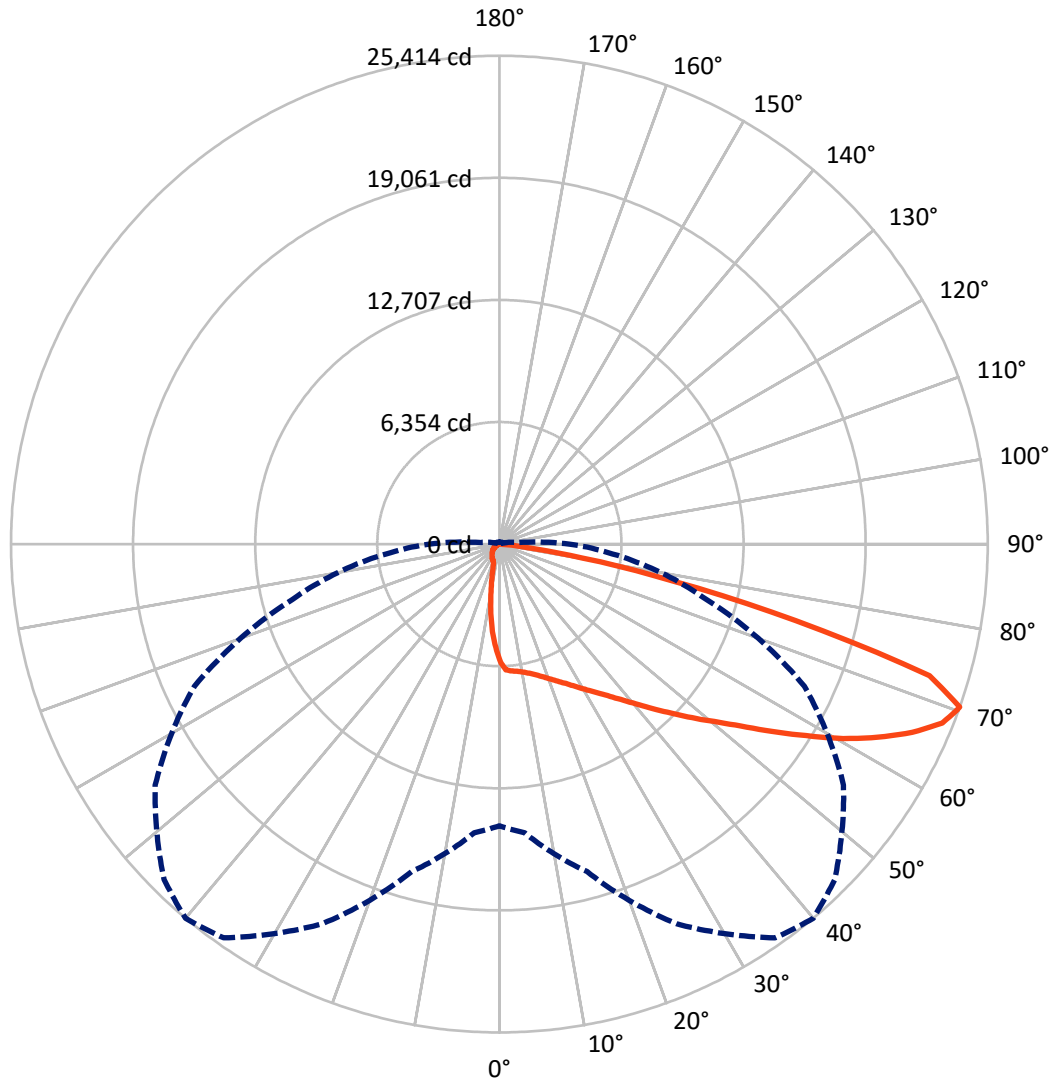
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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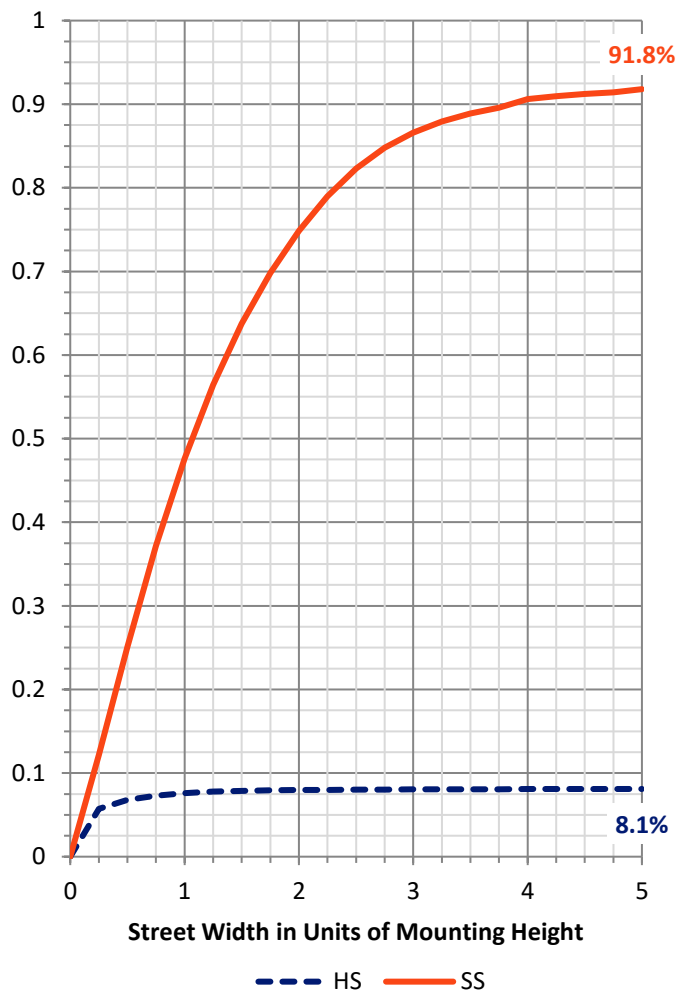
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2950.3	0.0	2950.3
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	33128.5	0.0	33128.5
	% Fixture	91.8	0.0	91.8
Total	Lumens	36078.8	0.0	36078.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.4	1.4
10°-20°	1312.4	3.6
20°-30°	2196.5	6.1
30°-40°	3449.8	9.6
40°-50°	5456.8	15.1
50°-60°	7960.0	22.1
60°-70°	9867.6	27.4
70°-80°	4992.4	13.8
80°-90°	325.9	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°	36078.8	100.0
0°-180°	36078.8	100.0

Coefficient of Utilization



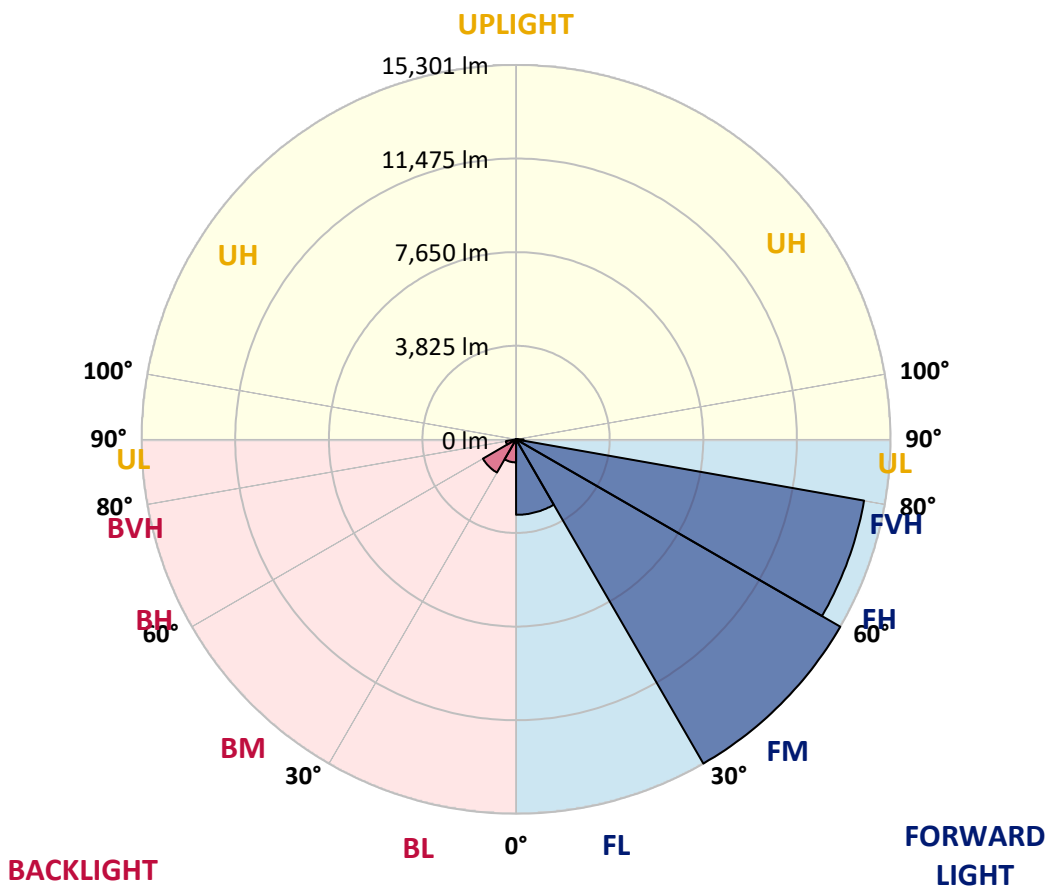
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3084.1	8.5			
FM (30°-60°)	15300.6	42.4			
FH (60°-80°)	14439.4	40.0			G5
FVH (80°-90°)	304.4	0.8			G3/500
BL (0°-30°)	942.2	2.6	B2/1000		
BM (30°-60°)	1566.0	4.3	B2/2500		
BH (60°-80°)	420.7	1.2	B1/500		G1/500
BVH (80°-90°)	21.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1
2.5°	6581.7	6604.7	6601.4	6611.3	6588.3	6552.2	6545.6	6496.4	6407.7	6296.1	6171.4
5°	6716.3	6742.6	6722.9	6713.0	6670.3	6631.0	6621.1	6568.6	6466.8	6315.8	6099.2
7.5°	6831.2	6837.8	6824.6	6801.6	6739.3	6686.8	6650.6	6578.4	6457.0	6306.0	6056.5
10°	6850.9	6847.6	6854.2	6857.5	6818.1	6772.1	6742.6	6644.1	6489.8	6328.9	6059.8
12.5°	6827.9	6827.9	6870.6	6919.8	6919.8	6896.8	6867.3	6778.7	6598.1	6407.7	6125.4
15°	6857.5	6867.3	6949.4	7041.3	7070.8	7047.8	7034.7	6942.8	6755.7	6545.6	6243.6
17.5°	6962.5	6972.3	7103.7	7241.5	7277.6	7251.4	7225.1	7133.2	6933.0	6703.2	6378.2
20°	7116.8	7143.0	7310.5	7487.7	7520.5	7487.7	7435.2	7307.2	7106.9	6873.9	6506.2
22.5°	7399.1	7415.5	7596.0	7783.2	7799.6	7747.1	7668.3	7491.0	7280.9	7054.4	6650.6
25°	7773.3	7796.3	7976.8	8157.4	8114.7	8035.9	7927.6	7727.4	7487.7	7267.8	6834.5
27.5°	8219.8	8246.0	8423.3	8580.8	8469.2	8377.3	8255.9	8006.4	7763.5	7563.2	7070.8
30°	8702.3	8725.3	8882.8	9024.0	8876.3	8768.0	8623.5	8367.5	8121.3	7970.3	7405.7
32.5°	9168.4	9165.2	9316.2	9431.0	9280.0	9194.7	9063.4	8804.1	8607.1	8541.5	7904.6
35°	9601.7	9601.7	9726.5	9841.4	9733.1	9687.1	9565.6	9358.8	9247.2	9326.0	8571.0
37.5°	10038.3	10015.4	10133.5	10261.6	10251.7	10255.0	10186.1	10087.6	10094.1	10373.2	9486.9
40°	10399.4	10389.6	10527.5	10694.9	10826.2	10931.2	10888.5	10924.7	11131.5	11653.4	10658.8
42.5°	10688.3	10711.3	10888.5	11154.4	11486.0	11699.4	11728.9	11876.6	12408.4	13215.9	11981.7
45°	11019.9	11023.1	11269.3	11676.4	12204.9	12543.0	12661.2	13042.0	13797.0	14837.6	13432.6
47.5°	11426.9	11387.5	11663.3	12234.4	12999.3	13498.3	13708.3	14184.3	15352.9	16419.8	14614.4
50°	11876.6	11804.4	12116.3	12894.2	13888.9	14512.6	14939.3	15635.3	16895.8	17719.7	15494.1
52.5°	12398.6	12329.6	12684.2	13652.5	14955.7	15714.0	16262.2	16964.7	18218.7	18711.1	16019.3
55°	13061.7	12992.7	13366.9	14561.8	16216.3	17201.1	17775.5	18366.4	19449.7	19443.1	16400.1
57.5°	13797.0	13701.8	14220.4	15710.8	17788.7	18812.9	19397.2	19686.0	20385.2	20011.0	16656.2
60°	14640.6	14555.3	15274.2	17079.6	19604.0	20552.7	20920.3	20802.1	21153.4	20345.9	16567.5
62.5°	15402.2	15362.8	16255.7	18530.6	21333.9	22134.9	22236.7	21721.3	21718.0	20352.4	15970.1
65°	16193.3	16268.8	17595.0	20201.4	23073.7	23612.1	23438.1	22633.9	21944.5	19548.2	14204.0
67.5°	16488.7	16708.7	18478.0	21711.4	24445.9	24866.1	24560.8	23090.2	21002.4	16843.3	10816.3
70°	14663.6	15077.2	17644.2	21796.8	25013.8	25414.3	24682.2	21862.4	17509.6	11157.7	5925.2
72.5°	11151.2	11633.7	14703.0	17847.8	22496.0	23408.6	22157.9	17811.7	11285.7	4887.9	1989.3
75°	6240.3	6762.3	10950.9	13439.2	15103.5	15937.3	15477.7	11426.9	4999.5	1277.0	594.2
77.5°	2110.7	2284.7	5094.7	8314.9	9969.4	9221.0	7806.1	5675.7	1838.3	485.8	315.1
80°	1250.7	1316.3	1897.4	4139.4	5245.7	4349.5	3433.7	2097.6	935.6	259.3	219.9
82.5°	374.2	443.2	1047.2	1536.3	2054.9	1280.2	1083.3	1198.2	485.8	141.2	183.8
85°	0.0	0.0	223.2	476.0	538.4	210.1	210.1	679.5	88.6	59.1	134.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	16.4	9.8	13.1	29.5
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°	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1	6122.1
2.5°	6082.7	5967.9	5833.3	5705.2	5583.8	5426.2	5350.7	5258.8	5180.0	5137.3	5160.3
5°	5961.3	5780.7	5505.0	5226.0	4943.7	4677.8	4438.1	4277.3	4132.9	4057.4	4073.8
7.5°	5856.2	5613.3	5183.3	4727.0	4274.0	3817.7	3446.8	3157.9	2934.7	2842.8	2826.4
10°	5810.3	5505.0	4897.7	4241.2	3545.3	2931.4	2406.2	2087.8	1861.3	1749.7	1769.3
12.5°	5833.3	5449.2	4654.8	3765.2	2862.5	2146.9	1644.6	1345.9	1185.0	1119.4	1103.0
15°	5898.9	5436.1	4438.1	3279.4	2209.2	1500.2	1135.8	1014.3	981.5	974.9	974.9
17.5°	5974.4	5439.3	4214.9	2787.0	1677.4	1112.8	971.7	948.7	938.8	932.3	935.6
20°	6049.9	5439.3	3958.9	2288.0	1260.5	961.8	925.7	909.3	899.4	896.2	896.2
22.5°	6141.8	5439.3	3673.3	1825.2	1011.1	912.6	883.0	873.2	863.3	860.1	856.8
25°	6253.4	5442.6	3358.1	1428.0	919.1	869.9	846.9	837.1	827.2	820.7	820.7
27.5°	6414.3	5468.9	3010.2	1112.8	866.6	830.5	810.8	801.0	791.1	781.3	781.3
30°	6647.4	5534.5	2619.6	919.1	817.4	787.8	768.1	761.6	751.7	741.9	738.6
32.5°	6995.3	5649.4	2215.8	823.9	771.4	741.9	718.9	712.3	702.5	692.6	689.4
35°	7481.2	5859.5	1821.9	764.9	712.3	682.8	669.7	666.4	653.2	643.4	643.4
37.5°	8193.5	6200.9	1444.4	705.8	663.1	640.1	623.7	617.1	604.0	594.2	590.9
40°	9063.4	6644.1	1122.7	659.8	617.1	594.2	577.7	567.9	551.5	538.4	531.8
42.5°	10172.9	7185.7	886.3	610.6	574.5	551.5	538.4	518.7	495.7	476.0	472.7
45°	11328.4	7743.8	732.0	564.6	535.1	515.4	499.0	472.7	439.9	416.9	410.3
47.5°	12214.7	8091.7	640.1	515.4	492.4	476.0	456.3	423.5	384.1	357.8	351.2
50°	12848.3	8144.3	571.2	469.4	456.3	439.9	410.3	370.9	328.3	302.0	295.4
52.5°	13160.1	7907.9	515.4	426.7	416.9	400.5	364.4	321.7	275.7	249.5	242.9
55°	13301.3	7461.5	462.9	390.6	377.5	357.8	318.4	272.5	226.5	203.5	197.0
57.5°	13245.5	6801.6	416.9	354.5	338.1	315.1	272.5	223.2	187.1	164.1	160.8
60°	12831.9	5875.9	370.9	318.4	298.7	272.5	229.8	183.8	151.0	134.6	131.3
62.5°	11939.0	4727.0	325.0	275.7	262.6	236.4	197.0	151.0	124.7	114.9	111.6
65°	10110.6	3341.7	279.0	233.1	226.5	200.2	164.1	124.7	108.3	101.8	98.5
67.5°	7267.8	2032.0	236.4	200.2	193.7	170.7	137.9	108.3	98.5	95.2	95.2
70°	3653.6	961.8	187.1	164.1	164.1	141.2	118.2	98.5	95.2	91.9	91.9
72.5°	1240.8	410.3	141.2	128.0	134.6	121.5	101.8	91.9	91.9	91.9	91.9
75°	423.5	216.7	98.5	91.9	98.5	98.5	88.6	88.6	91.9	91.9	91.9
77.5°	275.7	144.4	68.9	62.4	75.5	75.5	75.5	82.1	88.6	88.6	88.6
80°	226.5	78.8	46.0	42.7	55.8	55.8	62.4	75.5	82.1	82.1	82.1
82.5°	193.7	49.2	26.3	29.5	39.4	42.7	52.5	62.4	72.2	75.5	75.5
85°	131.3	26.3	19.7	23.0	26.3	32.8	42.7	52.5	59.1	65.7	65.7
87.5°	36.1	9.8	13.1	16.4	16.4	23.0	32.8	39.4	46.0	49.2	49.2
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)