

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: P640286

Luminaire Tested: GWS-SA5D-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24359.6 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

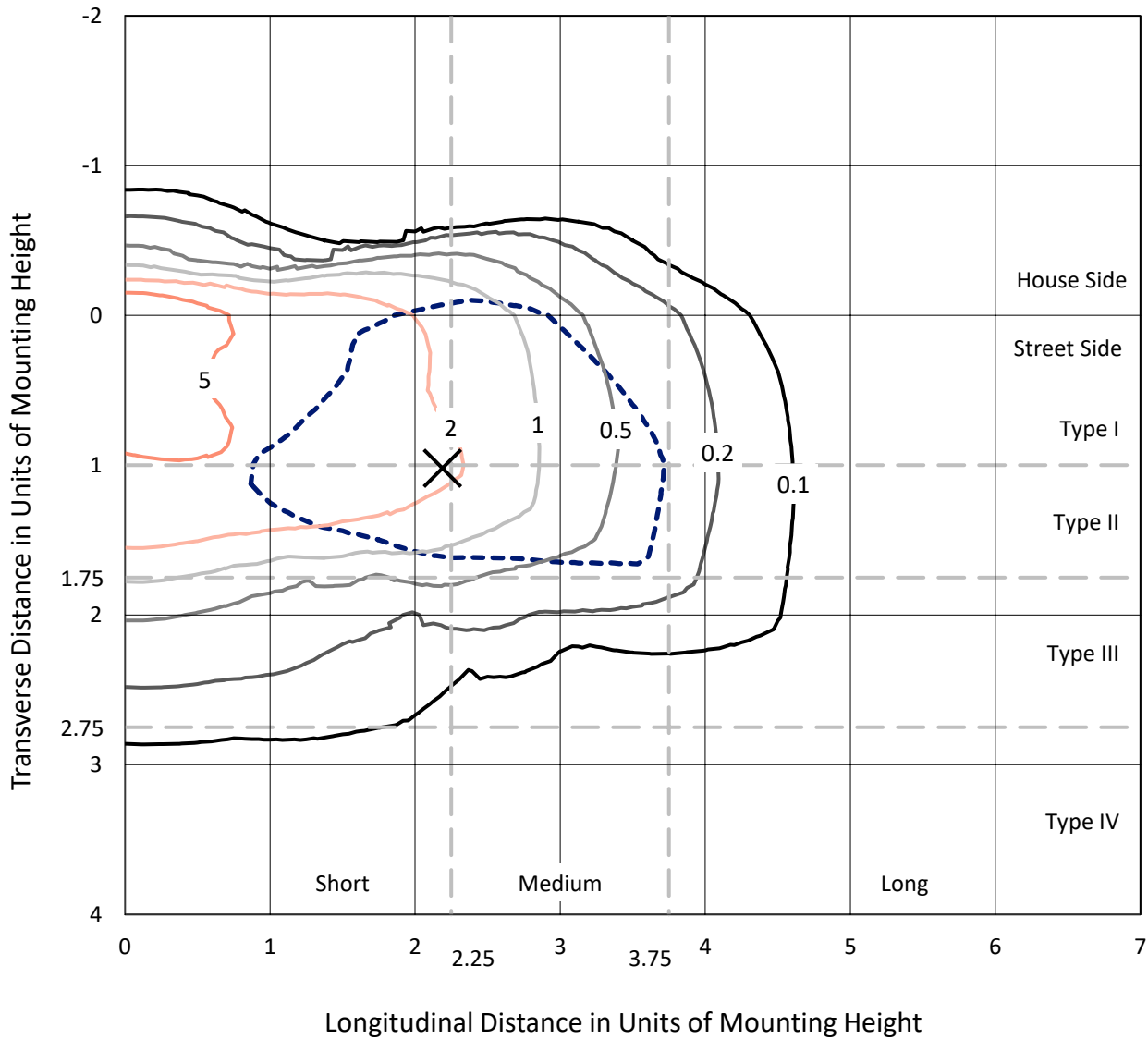
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640286
 CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

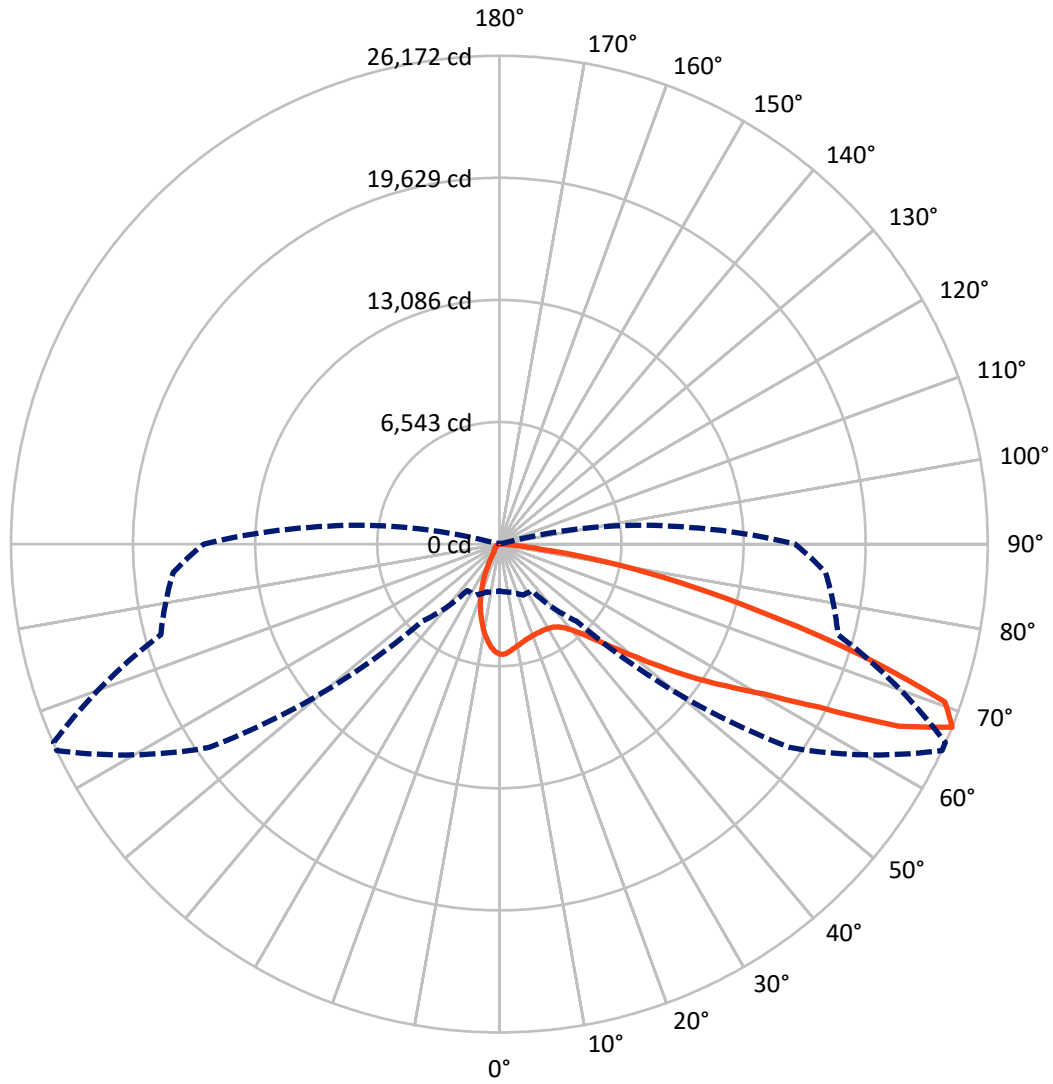
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P640286
CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P640286
 CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-HSS

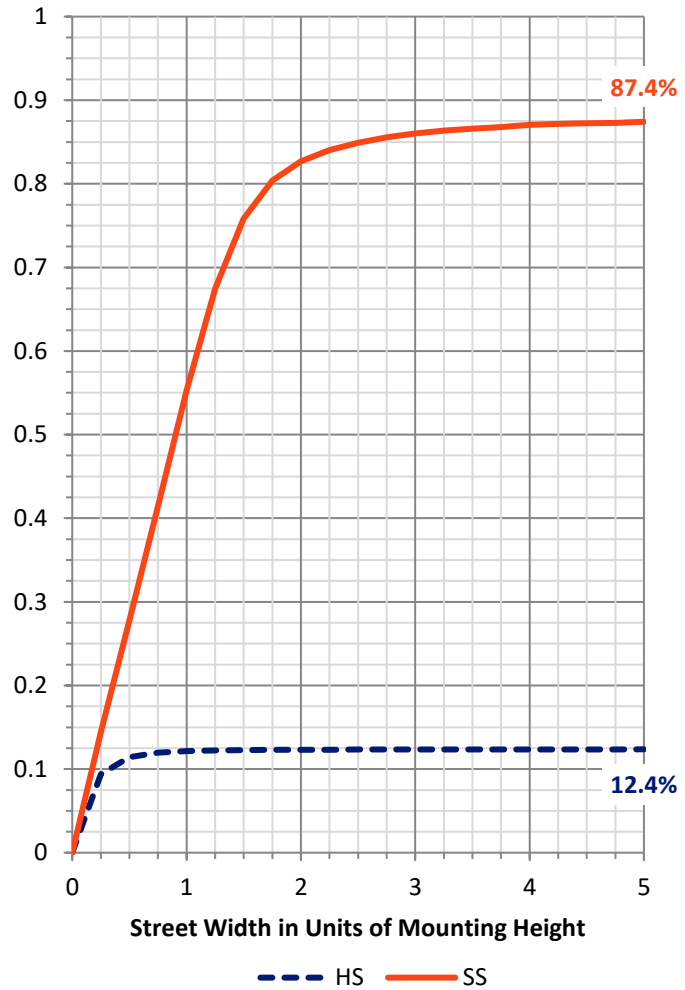
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3041.8	0.0	3041.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	21317.8	0.0	21317.8
	% Fixture	87.5	0.0	87.5
Total	Lumens	24359.6	0.0	24359.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.7	2.0
10°-20°	1103.0	4.5
20°-30°	1576.2	6.5
30°-40°	2293.1	9.4
40°-50°	3591.5	14.7
50°-60°	5602.8	23.0
60°-70°	6154.3	25.3
70°-80°	3275.3	13.4
80°-90°	272.7	1.1
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°	24359.6	100.0
0°-180°	24359.6	100.0

Coefficient of Utilization



REPORT NUMBER: P640286

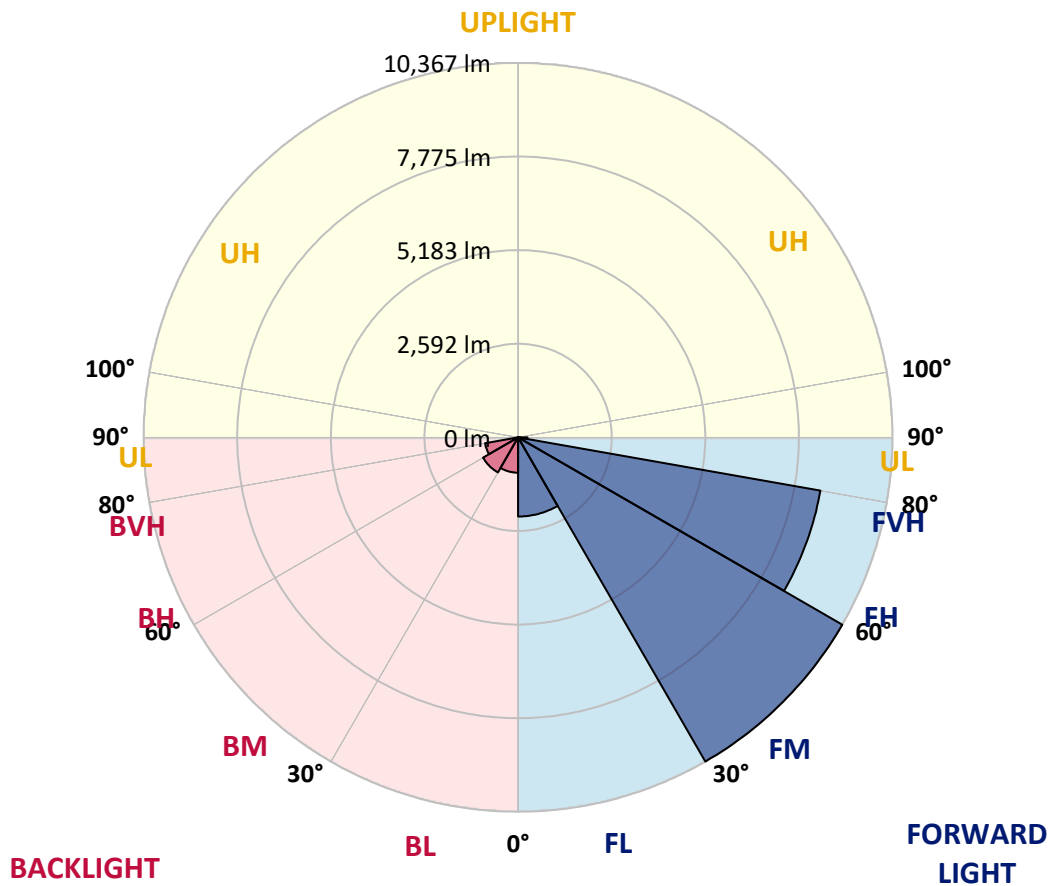
CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2192.2	9.0			
FM (30°-60°)	10366.9	42.6			
FH (60°-80°)	8500.6	34.9			G4/12000
FVH (80°-90°)	258.1	1.1			G3/500
BL (0°-30°)	977.7	4.0	B2/1000		
BM (30°-60°)	1120.4	4.6	B2/2500		
BH (60°-80°)	929.1	3.8	B2/1000		G2/1000
BVH (80°-90°)	14.6	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-G4

Type II Short





REPORT NUMBER: P640286

CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0
2.5°	5703.1	5720.7	5696.5	5756.0	5767.0	5833.1	5870.5	5897.0	5894.8	5927.8	5927.8
5°	5368.3	5385.9	5372.7	5436.6	5487.2	5590.8	5676.7	5775.8	5780.2	5881.5	5919.0
7.5°	5084.1	5086.3	5086.3	5165.6	5231.7	5359.5	5487.2	5639.2	5656.8	5813.2	5912.4
10°	4850.6	4857.2	4859.4	4949.7	5022.4	5176.6	5339.6	5522.5	5542.3	5753.8	5908.0
12.5°	4689.8	4692.0	4700.8	4795.5	4874.8	5035.7	5200.9	5410.1	5436.6	5685.5	5888.1
15°	4612.7	4608.3	4612.7	4692.0	4771.3	4925.5	5095.1	5319.8	5348.5	5628.2	5890.3
17.5°	4608.3	4601.7	4597.3	4656.8	4707.4	4844.0	5015.8	5260.3	5291.2	5601.8	5914.6
20°	4672.2	4667.8	4645.8	4672.2	4683.2	4795.5	4965.2	5214.1	5244.9	5597.4	5967.4
22.5°	4839.6	4828.6	4795.5	4771.3	4711.8	4777.9	4929.9	5181.0	5216.3	5608.4	6035.7
25°	5088.5	5084.1	5042.3	4982.8	4830.8	4804.4	4932.1	5181.0	5214.1	5621.6	6108.4
27.5°	5463.0	5436.6	5383.7	5280.2	5062.1	4907.9	4976.2	5194.3	5227.3	5639.2	6167.9
30°	5844.1	5841.9	5824.3	5718.5	5394.7	5106.1	5068.7	5229.5	5260.3	5654.6	6223.0
32.5°	6238.4	6245.0	6289.1	6207.6	5852.9	5401.3	5236.1	5302.2	5324.2	5685.5	6271.4
35°	6612.9	6626.1	6742.8	6771.5	6410.2	5848.5	5509.3	5447.6	5449.8	5753.8	6335.3
37.5°	6971.9	7016.0	7203.2	7342.0	7104.1	6390.4	5903.6	5694.3	5676.7	5890.3	6432.2
40°	7379.5	7463.2	7698.9	7934.6	7859.7	7106.3	6441.1	6073.2	6035.7	6141.5	6606.3
42.5°	7831.0	7921.4	8234.2	8564.6	8599.8	7972.0	7112.9	6626.1	6562.2	6564.4	6932.3
45°	8315.7	8436.8	8800.3	9276.1	9489.8	8936.9	7941.2	7372.8	7309.0	7214.2	7456.6
47.5°	8952.3	9058.0	9408.3	9956.8	10366.5	9972.2	9027.2	8333.3	8216.5	8077.8	8271.6
50°	9500.8	9593.3	9895.1	10582.4	11434.9	11307.1	10258.5	9533.8	9421.5	9185.8	9346.6
52.5°	9621.9	9694.6	9972.2	10745.4	12252.1	12992.2	11767.5	10985.5	10906.2	10470.0	10531.7
55°	9077.8	9188.0	9436.9	10296.0	12465.8	14640.0	13725.8	12622.2	12457.0	11760.9	11871.0
57.5°	7703.3	7899.3	8132.8	9249.7	11886.4	15516.7	16461.7	14355.8	14206.0	13003.3	13005.5
60°	5645.8	5804.4	5960.8	6982.9	10511.9	15457.2	18944.3	16303.1	16029.9	14018.8	13981.3
62.5°	4106.1	4187.6	4185.4	4548.8	7218.6	14439.5	20248.3	19237.3	18600.6	15104.8	14891.1
65°	3229.3	3227.1	3321.9	3440.8	4031.2	11146.3	20409.2	23521.7	22834.5	16560.8	16115.9
67.5°	2513.4	2561.9	2656.6	3006.9	3028.9	5833.1	18994.9	26171.7	26158.5	18783.5	17549.9
70°	1938.5	2004.6	2138.9	2650.0	2797.6	3264.6	14212.6	25332.5	25546.1	19776.9	16534.4
72.5°	1244.6	1240.2	1438.4	2141.1	2687.4	2720.5	7859.7	20122.8	20365.1	17913.4	13368.9
75°	696.1	700.5	812.8	1310.7	2504.6	2559.7	3892.4	14349.2	14540.8	13965.9	10271.8
77.5°	273.2	282.0	381.1	689.5	1652.1	2286.5	2313.0	9784.9	9813.6	8654.9	6300.1
80°	110.1	116.7	193.8	427.3	1006.7	1539.8	1652.1	5764.8	5648.0	3350.5	1832.7
82.5°	33.0	35.2	77.1	242.3	526.5	1094.8	1114.6	2211.6	2088.3	720.3	467.0
85°	2.2	2.2	17.6	74.9	187.2	275.4	742.4	720.3	638.8	180.6	207.1
87.5°	0.0	0.0	2.2	2.2	4.4	8.8	79.3	132.2	134.4	33.0	92.5
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: P640286

CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0	5908.0
2.5°	5927.8	5848.5	5841.9	5780.2	5718.5	5641.4	5551.1	5485.0	5438.8	5357.3	5341.8
5°	5919.0	5813.2	5714.1	5537.9	5341.8	5130.4	4945.3	4773.5	4665.6	4592.9	4562.0
7.5°	5901.4	5767.0	5537.9	5205.3	4877.0	4507.0	4218.4	3954.1	3773.4	3667.7	3621.4
10°	5888.1	5707.5	5335.2	4830.8	4321.9	3810.9	3372.5	2980.4	2762.3	2590.5	2561.9
12.5°	5861.7	5621.6	5075.3	4392.4	3736.0	3057.5	2498.0	2017.8	1685.2	1535.4	1482.5
15°	5835.3	5531.3	4815.4	3929.8	3097.2	2260.1	1581.6	1119.0	889.9	819.5	815.0
17.5°	5830.9	5449.8	4533.4	3491.5	2427.5	1480.3	901.0	724.7	676.3	658.6	658.6
20°	5844.1	5381.5	4255.9	2987.0	1768.9	901.0	671.9	627.8	599.2	583.7	583.7
22.5°	5857.3	5311.0	3989.3	2478.2	1174.1	658.6	592.6	555.1	522.1	504.4	495.6
25°	5866.1	5233.9	3694.1	1967.1	766.6	572.7	519.9	471.4	431.8	409.7	409.7
27.5°	5863.9	5141.4	3396.8	1467.1	594.8	508.9	445.0	394.3	354.7	330.4	332.6
30°	5846.3	5040.1	3088.4	1024.3	519.9	445.0	381.1	328.2	288.6	268.7	266.5
32.5°	5833.1	4932.1	2731.5	720.3	467.0	389.9	323.8	273.2	240.1	224.7	222.5
35°	5817.7	4826.4	2392.3	548.5	420.7	337.0	273.2	231.3	204.9	191.6	191.6
37.5°	5822.1	4716.2	2024.4	471.4	374.5	293.0	233.5	198.3	176.2	163.0	160.8
40°	5890.3	4650.2	1663.1	427.3	332.6	253.3	202.7	171.8	149.8	136.6	134.4
42.5°	6060.0	4652.4	1317.3	394.3	295.2	215.9	176.2	147.6	127.8	112.3	110.1
45°	6399.2	4744.9	1011.1	359.1	255.5	187.2	152.0	125.6	105.7	92.5	90.3
47.5°	6954.3	5020.2	766.6	328.2	222.5	163.0	130.0	105.7	88.1	77.1	74.9
50°	7837.6	5518.1	603.6	290.8	187.2	141.0	110.1	88.1	72.7	61.7	59.5
52.5°	8899.4	6264.8	517.7	257.7	160.8	123.4	94.7	72.7	59.5	50.7	48.5
55°	10119.8	7157.0	478.0	224.7	136.6	105.7	77.1	59.5	48.5	41.9	37.4
57.5°	11238.8	7961.0	475.8	191.6	116.7	90.3	63.9	50.7	41.9	33.0	30.8
60°	12329.2	8632.9	447.2	158.6	101.3	74.9	55.1	41.9	35.2	28.6	26.4
62.5°	13318.3	9179.2	374.5	127.8	85.9	61.7	46.3	37.4	30.8	24.2	24.2
65°	14560.7	9875.3	286.4	103.5	70.5	50.7	39.7	33.0	28.6	22.0	22.0
67.5°	15844.9	10243.1	204.9	85.9	57.3	44.1	35.2	30.8	24.2	19.8	19.8
70°	14351.4	8654.9	147.6	70.5	48.5	37.4	30.8	28.6	24.2	19.8	17.6
72.5°	11208.0	6240.6	110.1	55.1	41.9	35.2	28.6	26.4	22.0	17.6	17.6
75°	8311.2	3639.1	83.7	44.1	33.0	28.6	28.6	26.4	22.0	17.6	15.4
77.5°	4518.0	1268.8	63.9	35.2	26.4	22.0	24.2	24.2	19.8	15.4	13.2
80°	1196.1	348.0	44.1	26.4	22.0	17.6	17.6	22.0	17.6	13.2	13.2
82.5°	348.0	101.3	30.8	22.0	17.6	15.4	15.4	15.4	13.2	11.0	8.8
85°	169.6	37.4	22.0	17.6	15.4	13.2	11.0	11.0	8.8	6.6	6.6
87.5°	74.9	15.4	17.6	15.4	15.4	11.0	8.8	6.6	6.6	4.4	2.2
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)