

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: P640345

Luminaire Tested: GWS-SA5D-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24547.2 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

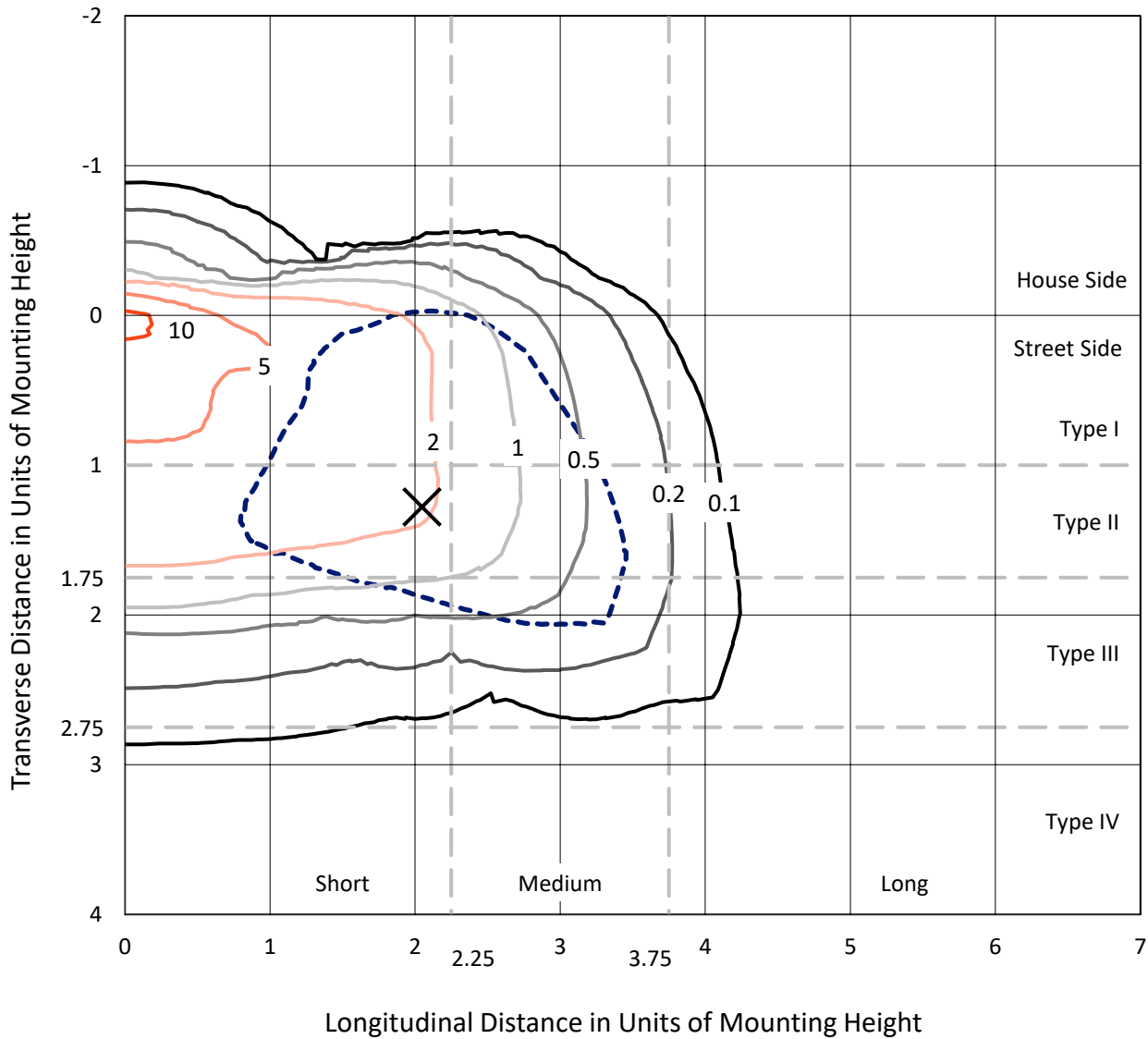
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

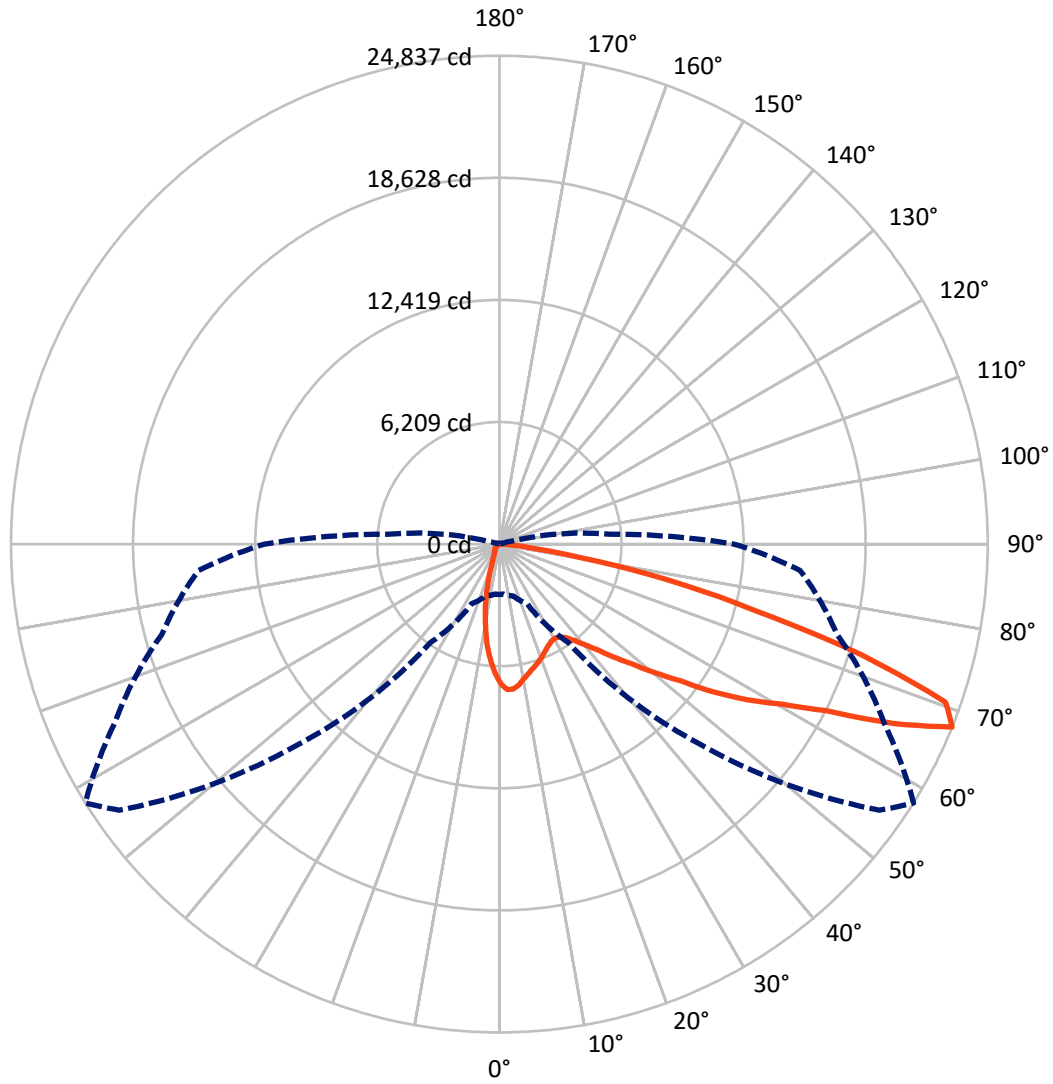
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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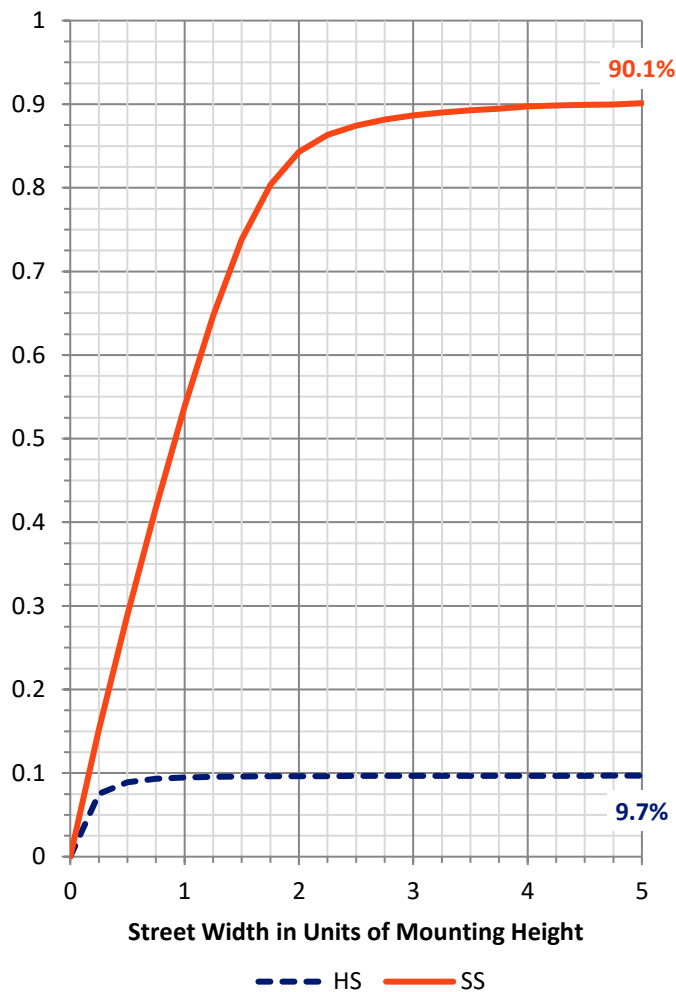
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2398.1	0.0	2398.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	22149.1	0.0	22149.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	24547.2	0.0	24547.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.4	2.3
10°-20°	1197.7	4.9
20°-30°	1615.2	6.6
30°-40°	2269.7	9.2
40°-50°	3505.3	14.3
50°-60°	5605.4	22.8
60°-70°	6637.2	27.0
70°-80°	2936.1	12.0
80°-90°	205.3	0.8
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°	24547.2	100.0
0°-180°	24547.2	100.0

Coefficient of Utilization

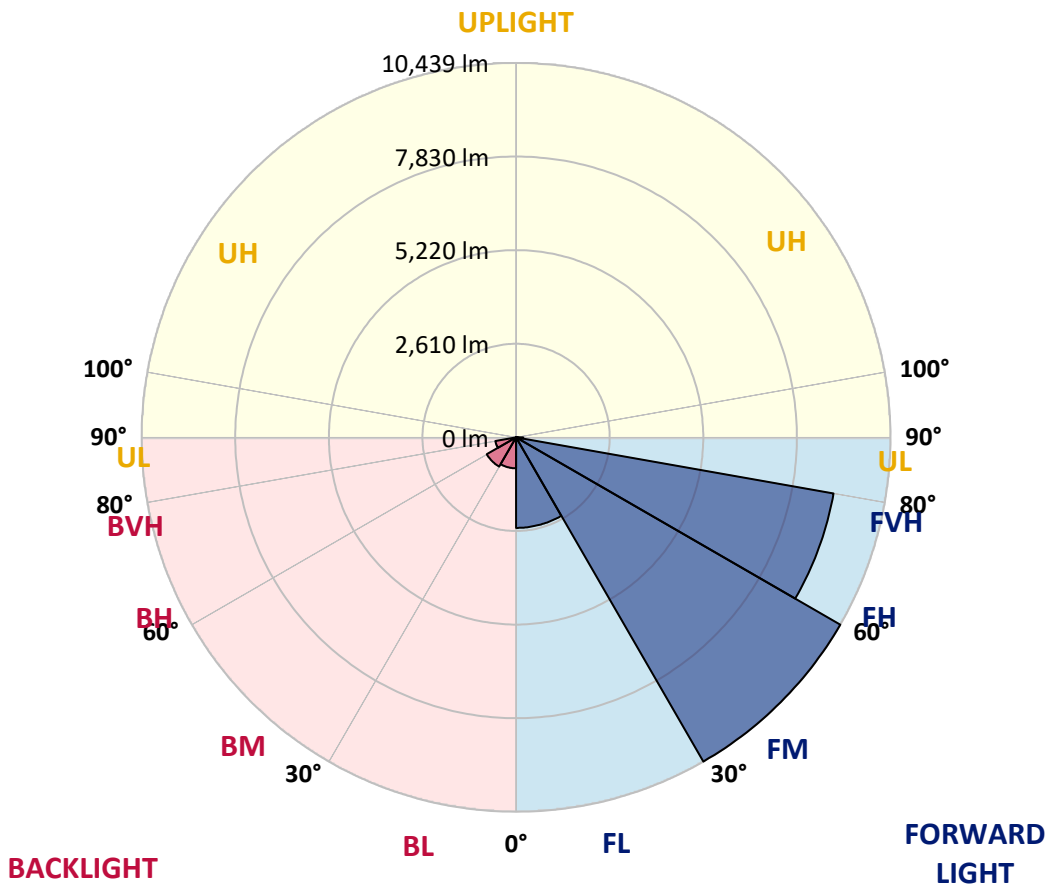


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2525.3	10.3			
FM (30°-60°)	10439.4	42.5			
FH (60°-80°)	8987.9	36.6			G4/12000
FVH (80°-90°)	196.5	0.8			G2/225
BL (0°-30°)	863.0	3.5	B2/1000		
BM (30°-60°)	940.9	3.8	B1/1000		
BH (60°-80°)	585.5	2.4	B2/1000		G2/1000
BVH (80°-90°)	8.7	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6
2.5°	7447.7	7460.8	7478.2	7499.9	7495.5	7476.0	7452.1	7397.8	7363.0	7254.4	7121.8
5°	7208.7	7206.6	7250.0	7291.3	7365.2	7404.3	7458.6	7408.6	7391.2	7260.9	7045.8
7.5°	6741.6	6765.5	6815.5	6880.7	6987.1	7102.3	7232.6	7217.4	7269.6	7182.7	6915.4
10°	6283.2	6270.2	6348.4	6446.2	6609.1	6756.8	6945.9	6943.7	7080.6	7071.9	6767.7
12.5°	5881.3	5879.1	5939.9	6050.7	6241.9	6448.3	6704.7	6711.2	6880.7	6950.2	6641.7
15°	5542.4	5546.7	5605.4	5720.5	5918.2	6170.2	6467.9	6522.2	6713.4	6854.6	6517.9
17.5°	5301.2	5303.4	5338.1	5438.1	5631.4	5900.8	6259.3	6333.2	6578.7	6782.9	6417.9
20°	5190.4	5181.7	5188.2	5238.2	5388.1	5633.6	6046.4	6142.0	6454.9	6732.9	6326.7
22.5°	5205.6	5192.6	5162.1	5155.6	5223.0	5409.8	5820.4	5937.8	6320.1	6702.5	6244.1
25°	5340.3	5312.1	5268.6	5203.4	5177.4	5270.8	5622.7	5744.4	6194.1	6704.7	6181.1
27.5°	5546.7	5516.3	5462.0	5375.1	5272.9	5233.8	5488.0	5603.2	6105.1	6754.7	6150.7
30°	5809.6	5785.7	5733.5	5629.3	5492.4	5331.6	5459.8	5555.4	6061.6	6856.8	6163.7
32.5°	6120.3	6102.9	6059.4	5963.8	5807.4	5561.9	5555.4	5629.3	6096.4	7004.5	6213.7
35°	6420.1	6426.6	6428.8	6376.6	6209.3	5911.7	5818.3	5844.3	6239.8	7226.1	6326.7
37.5°	6743.8	6728.6	6806.8	6843.7	6683.0	6365.8	6224.6	6226.7	6513.5	7554.2	6539.6
40°	6989.3	6993.7	7163.1	7315.2	7247.9	6941.5	6739.5	6737.3	6935.0	8003.9	6882.9
42.5°	7219.6	7247.9	7497.7	7758.4	7851.8	7580.3	7434.7	7380.4	7526.0	8612.3	7397.8
45°	7465.1	7506.4	7856.2	8227.7	8473.2	8312.4	8197.3	8219.0	8236.4	9320.5	8090.8
47.5°	7751.9	7778.0	8210.3	8733.9	9192.4	9151.1	9157.6	9131.5	9122.8	10213.5	9007.7
50°	8099.5	8160.4	8657.9	9283.6	9909.3	10183.1	10274.3	10285.2	10144.0	11186.8	9957.1
52.5°	8838.2	8912.1	9337.9	9885.4	10691.5	11267.2	11638.7	11564.8	11347.6	12129.7	10997.8
55°	9709.4	9765.9	10176.5	10743.6	11647.4	12455.6	13337.7	13307.3	12775.0	13122.6	11853.8
57.5°	9792.0	9855.0	10491.6	11360.6	12874.9	13924.3	14852.0	14949.8	14169.8	13826.5	12618.6
60°	8864.3	8992.5	9861.5	11030.4	13344.2	15899.2	16511.9	16531.5	15193.1	14541.3	13552.8
62.5°	7104.5	7165.3	8040.9	9566.0	12620.7	17050.7	19047.3	18634.6	16507.6	15647.2	15032.3
65°	3723.9	3971.5	4734.1	6422.3	10235.2	16648.8	22097.7	21984.7	18871.4	17231.0	16183.8
67.5°	2555.0	2552.8	2733.2	3348.0	6102.9	14334.9	23594.6	24837.4	21604.5	17774.2	15349.6
70°	1944.5	1951.0	2111.8	2511.5	3161.2	9542.1	21952.1	24077.0	22112.9	16138.2	12414.3
72.5°	1290.5	1303.6	1570.8	2029.2	2524.6	4677.6	17059.4	19264.6	18606.3	12961.8	8738.3
75°	771.3	782.1	973.3	1475.2	2244.3	2618.0	10839.2	13318.2	12807.6	8933.8	4684.2
77.5°	317.2	325.9	499.7	919.0	1642.5	2033.6	5994.3	8714.4	7671.5	3552.2	1279.7
80°	132.5	136.9	241.2	643.1	1184.1	1275.3	2776.6	4095.4	3143.8	764.8	391.1
82.5°	47.8	50.0	89.1	354.1	736.5	960.3	1401.3	1618.6	886.4	249.9	210.7
85°	2.2	2.2	21.7	119.5	280.3	271.6	801.7	775.6	293.3	104.3	126.0
87.5°	0.0	0.0	2.2	2.2	4.3	10.9	76.0	134.7	63.0	26.1	54.3
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°	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6	7080.6
2.5°	7034.9	6919.8	6793.8	6676.5	6489.6	6378.8	6241.9	6181.1	6094.2	6072.5	6085.5
5°	6891.5	6693.8	6391.8	6118.1	5764.0	5479.3	5192.6	5070.9	4914.5	4810.2	4766.7
7.5°	6689.5	6431.0	5959.5	5462.0	4975.3	4456.0	4060.6	3799.9	3563.1	3432.7	3406.7
10°	6485.3	6148.5	5472.8	4760.2	4006.3	3384.9	2850.5	2455.1	2133.5	1987.9	1875.0
12.5°	6274.5	5855.2	4977.5	4047.6	3172.0	2324.7	1664.2	1279.7	1049.4	958.1	973.3
15°	6081.2	5572.8	4486.5	3335.0	2233.5	1403.5	919.0	775.6	721.3	703.9	701.8
17.5°	5896.5	5305.5	3997.6	2641.9	1473.0	860.4	703.9	669.2	654.0	645.3	645.3
20°	5729.2	5049.2	3519.6	1990.1	951.6	682.2	636.6	619.2	606.2	599.6	599.6
22.5°	5572.8	4801.5	3052.5	1407.9	701.8	612.7	584.4	567.1	551.8	543.2	543.2
25°	5431.5	4577.7	2607.1	969.0	604.0	560.5	530.1	510.6	484.5	469.3	469.3
27.5°	5329.4	4377.8	2179.1	706.1	545.3	504.0	469.3	443.2	415.0	397.6	393.2
30°	5268.6	4208.4	1746.8	580.1	491.0	449.7	410.6	378.0	345.4	328.1	325.9
32.5°	5233.8	4051.9	1351.4	506.2	445.4	397.6	354.1	319.4	286.8	267.2	265.1
35°	5246.9	3930.3	1012.4	456.2	401.9	352.0	304.2	269.4	241.2	223.8	219.4
37.5°	5359.9	3876.0	760.4	417.1	365.0	312.9	262.9	230.3	204.2	191.2	189.0
40°	5579.3	3886.8	597.5	386.7	334.6	273.7	226.0	195.5	176.0	165.1	162.9
42.5°	5920.4	3978.1	493.2	360.7	302.0	239.0	195.5	171.6	152.1	141.2	139.0
45°	6428.8	4167.1	430.2	330.2	267.2	206.4	169.5	147.7	130.4	117.3	115.1
47.5°	7165.3	4495.1	388.9	302.0	236.8	178.2	145.6	123.8	108.6	97.8	95.6
50°	7949.6	4888.4	354.1	273.7	210.7	154.3	123.8	102.1	89.1	78.2	76.0
52.5°	8786.1	5312.1	328.1	247.7	186.8	132.5	104.3	84.7	71.7	60.8	58.7
55°	9589.9	5737.9	297.6	230.3	158.6	113.0	86.9	69.5	56.5	47.8	47.8
57.5°	10372.1	6129.0	265.1	202.1	130.4	95.6	71.7	56.5	45.6	39.1	36.9
60°	11306.3	6669.9	228.1	171.6	108.6	80.4	58.7	45.6	36.9	30.4	30.4
62.5°	12694.6	7232.6	195.5	143.4	91.2	67.4	47.8	36.9	30.4	26.1	23.9
65°	13148.7	6928.5	165.1	117.3	73.9	54.3	39.1	32.6	26.1	23.9	21.7
67.5°	11936.4	5679.2	136.9	95.6	60.8	45.6	34.8	28.2	23.9	21.7	19.6
70°	9314.0	4030.2	106.5	71.7	50.0	36.9	30.4	26.1	21.7	19.6	19.6
72.5°	6335.4	2383.4	84.7	54.3	41.3	32.6	26.1	23.9	21.7	19.6	17.4
75°	3119.9	847.3	65.2	41.3	32.6	28.2	23.9	21.7	19.6	17.4	17.4
77.5°	840.8	234.6	50.0	32.6	26.1	21.7	21.7	21.7	19.6	15.2	15.2
80°	284.6	97.8	36.9	23.9	21.7	17.4	15.2	19.6	17.4	15.2	13.0
82.5°	156.4	47.8	26.1	19.6	15.2	13.0	13.0	13.0	13.0	10.9	10.9
85°	99.9	26.1	17.4	15.2	15.2	10.9	8.7	8.7	6.5	6.5	6.5
87.5°	45.6	15.2	15.2	13.0	13.0	10.9	6.5	4.3	2.2	2.2	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)