

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: P640125

Luminaire Tested: GWS-SA5D-730-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640125
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22156 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

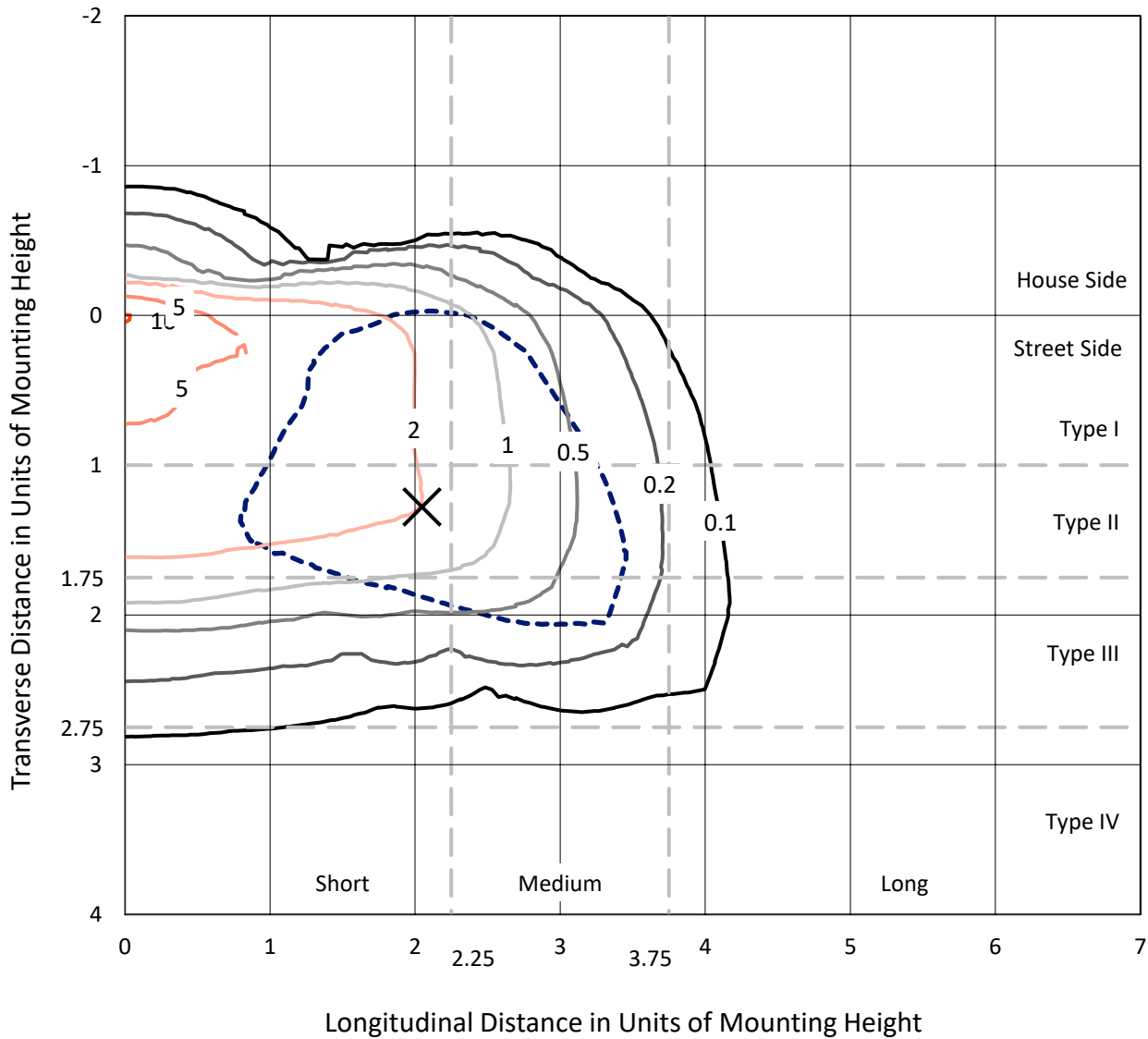
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

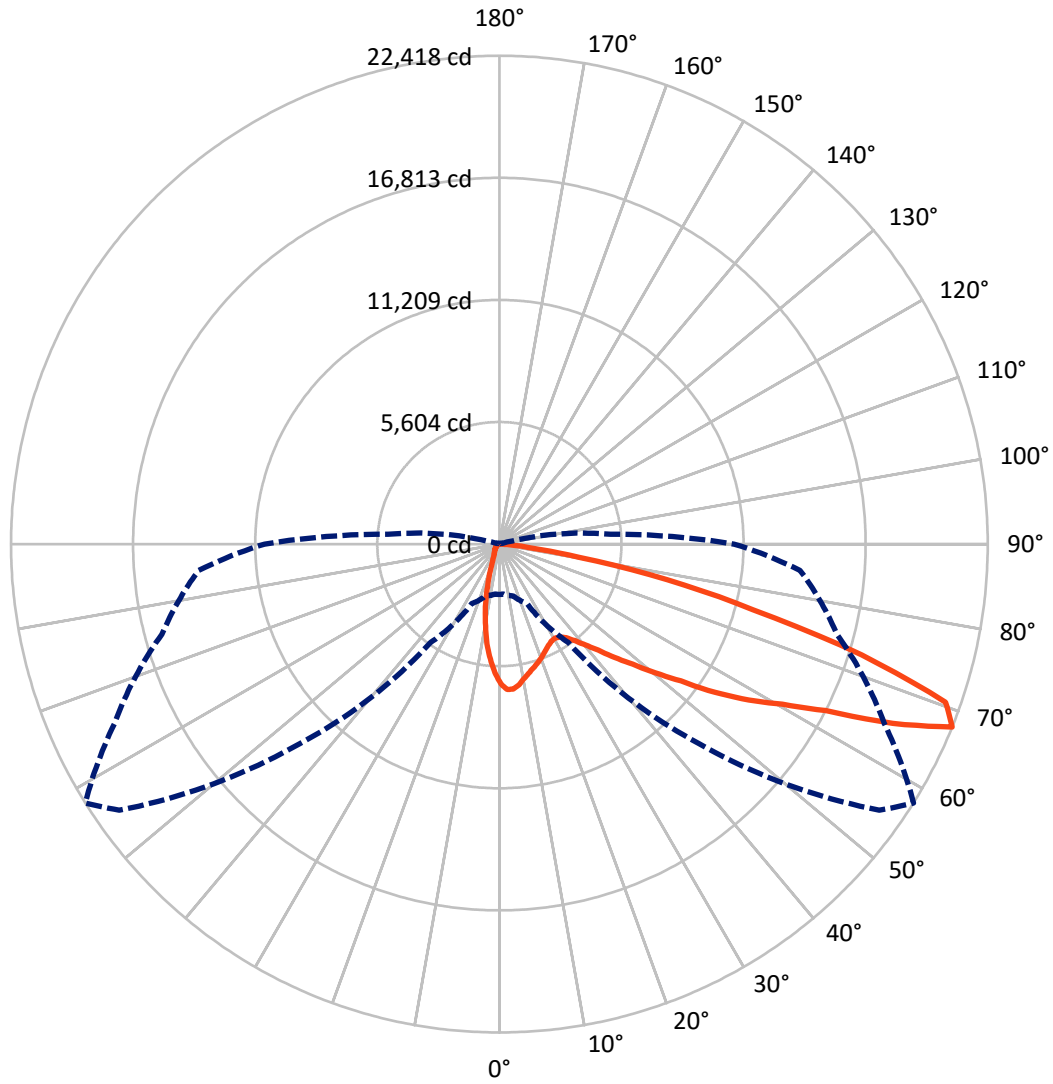
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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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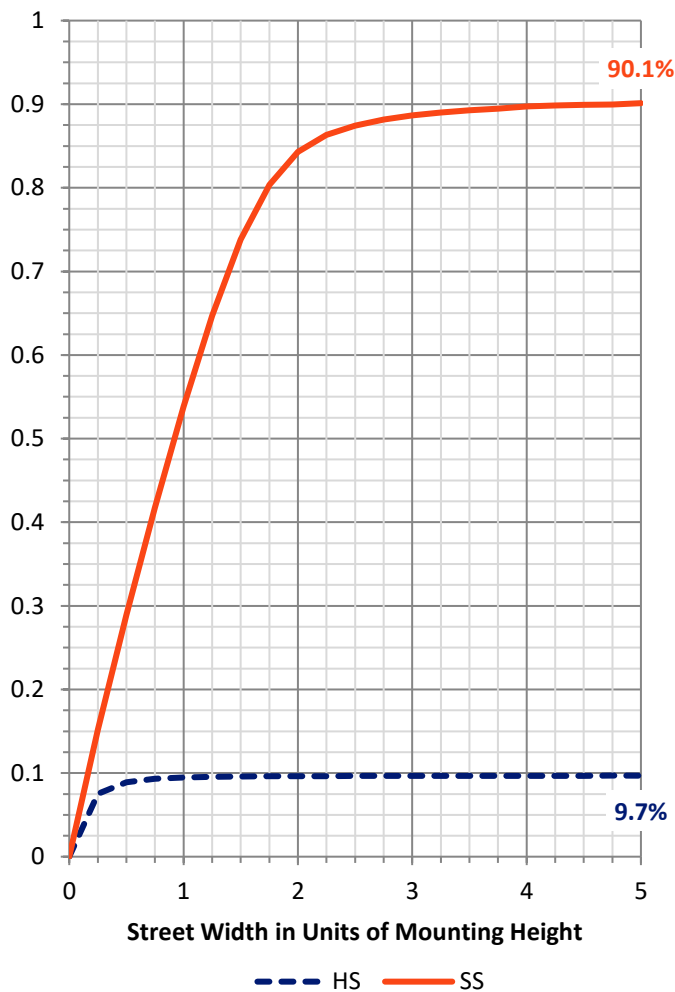
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2164.5	0.0	2164.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	19991.5	0.0	19991.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	22156.0	0.0	22156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.3	2.3
10°-20°	1081.0	4.9
20°-30°	1457.8	6.6
30°-40°	2048.6	9.2
40°-50°	3163.8	14.3
50°-60°	5059.4	22.8
60°-70°	5990.7	27.0
70°-80°	2650.1	12.0
80°-90°	185.3	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°	22156.0	100.0
0°-180°	22156.0	100.0

Coefficient of Utilization



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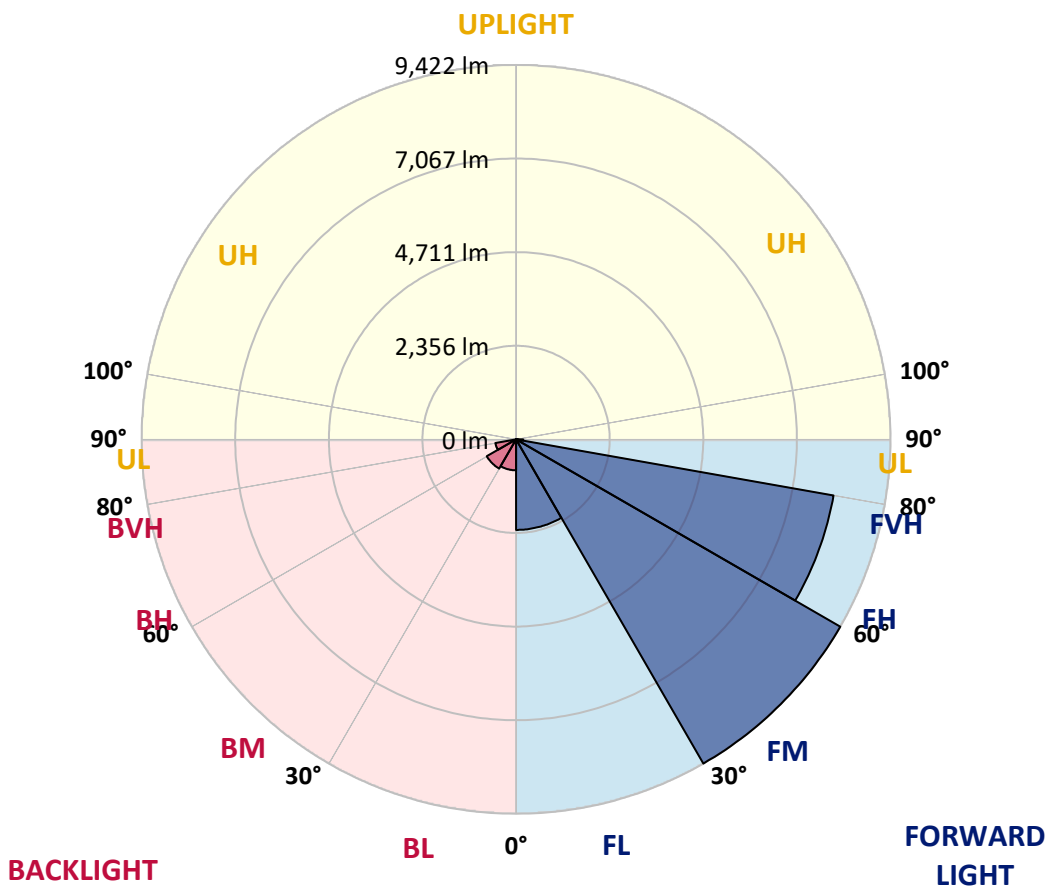
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2279.3	10.3			
FM (30°-60°)	9422.5	42.5			
FH (60°-80°)	8112.4	36.6			G4/12000
FVH (80°-90°)	177.4	0.8			G2/225
BL (0°-30°)	778.9	3.5	B2/1000		
BM (30°-60°)	849.3	3.8	B1/1000		
BH (60°-80°)	528.4	2.4	B2/1000		G2/1000
BVH (80°-90°)	7.9	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°	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8
2.5°	6722.2	6734.0	6749.7	6769.3	6765.4	6747.7	6726.2	6677.1	6645.8	6547.7	6428.1
5°	6506.5	6504.6	6543.8	6581.0	6647.7	6683.0	6732.0	6686.9	6671.3	6553.6	6359.5
7.5°	6084.9	6106.5	6151.6	6210.4	6306.5	6410.4	6528.1	6514.4	6561.4	6483.0	6241.8
10°	5671.2	5659.4	5730.0	5818.2	5965.3	6098.6	6269.2	6267.3	6390.8	6383.0	6108.4
12.5°	5308.4	5306.4	5361.3	5461.3	5633.9	5820.2	6051.6	6057.5	6210.4	6273.2	5994.7
15°	5002.5	5006.4	5059.3	5163.3	5341.7	5569.2	5837.8	5886.9	6059.4	6186.9	5882.9
17.5°	4784.8	4786.7	4818.1	4908.3	5082.9	5326.0	5649.6	5716.3	5937.8	6122.2	5792.7
20°	4684.8	4676.9	4682.8	4727.9	4863.2	5084.8	5457.4	5543.7	5826.1	6077.1	5710.4
22.5°	4698.5	4686.7	4659.3	4653.4	4714.2	4882.8	5253.5	5359.4	5704.5	6049.6	5635.9
25°	4820.1	4794.6	4755.4	4696.5	4673.0	4757.3	5075.0	5184.8	5590.8	6051.6	5579.0
27.5°	5006.4	4978.9	4929.9	4851.5	4759.3	4724.0	4953.4	5057.4	5510.4	6096.7	5551.5
30°	5243.7	5222.1	5175.0	5080.9	4957.4	4812.2	4927.9	5014.2	5471.1	6188.8	5563.3
32.5°	5524.1	5508.4	5469.2	5382.9	5241.7	5020.1	5014.2	5080.9	5502.5	6322.2	5608.4
35°	5794.7	5800.6	5802.5	5755.5	5604.5	5335.8	5251.5	5275.0	5631.9	6522.2	5710.4
37.5°	6086.9	6073.2	6143.7	6177.1	6032.0	5745.7	5618.2	5620.2	5879.0	6818.3	5902.5
40°	6308.5	6312.4	6465.3	6602.6	6541.8	6265.3	6083.0	6081.0	6259.4	7224.2	6212.4
42.5°	6516.3	6541.8	6767.3	7002.7	7087.0	6841.9	6710.5	6661.4	6792.8	7773.3	6677.1
45°	6737.9	6775.2	7090.9	7426.2	7647.8	7502.7	7398.8	7418.4	7434.1	8412.6	7302.7
47.5°	6996.8	7020.3	7410.5	7883.1	8296.9	8259.6	8265.5	8242.0	8234.2	9218.6	8130.2
50°	7310.5	7365.4	7814.5	8379.3	8944.0	9191.1	9273.5	9283.3	9155.8	10097.1	8987.2
52.5°	7977.3	8043.9	8428.3	8922.5	9650.0	10169.6	10505.0	10438.3	10242.2	10948.1	9926.5
55°	8763.6	8814.6	9185.2	9697.0	10512.8	11242.3	12038.4	12011.0	11530.6	11844.3	10699.1
57.5°	8838.1	8895.0	9469.6	10254.0	11620.8	12567.9	13405.3	13493.5	12789.5	12479.7	11389.4
60°	8000.8	8116.5	8900.9	9955.9	12044.3	14350.4	14903.4	14921.1	13713.1	13124.8	12232.6
62.5°	6412.4	6467.3	7257.6	8634.2	11391.3	15389.8	17191.9	16819.3	14899.5	14123.0	13568.0
65°	3361.1	3584.7	4273.0	5796.7	9238.2	15027.0	19945.1	19843.1	17033.1	15552.5	14607.3
67.5°	2306.1	2304.2	2466.9	3021.9	5508.4	12938.5	21296.2	22417.9	19500.0	16042.8	13854.3
70°	1755.1	1761.0	1906.1	2266.9	2853.2	8612.6	19813.7	21731.6	19958.8	14566.2	11205.0
72.5°	1164.8	1176.6	1417.8	1831.6	2278.7	4222.0	15397.6	17388.0	16793.8	11699.2	7887.1
75°	696.1	706.0	878.5	1331.5	2025.7	2363.0	9783.3	12020.8	11560.0	8063.5	4227.9
77.5°	286.3	294.1	451.0	829.5	1482.5	1835.5	5410.3	7865.5	6924.2	3206.2	1155.0
80°	119.6	123.5	217.7	580.4	1068.7	1151.1	2506.1	3696.4	2837.5	690.3	353.0
82.5°	43.1	45.1	80.4	319.6	664.8	866.8	1264.8	1460.9	800.1	225.5	190.2
85°	2.0	2.0	19.6	107.9	253.0	245.1	723.6	700.1	264.7	94.1	113.7
87.5°	0.0	0.0	2.0	2.0	3.9	9.8	68.6	121.6	56.9	23.5	49.0
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°	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8	6390.8
2.5°	6349.6	6245.7	6132.0	6026.1	5857.4	5757.4	5633.9	5579.0	5500.5	5480.9	5492.7
5°	6220.2	6041.8	5769.2	5522.1	5202.5	4945.6	4686.7	4576.9	4435.7	4341.6	4302.4
7.5°	6037.9	5804.5	5379.0	4929.9	4490.6	4022.0	3665.1	3429.8	3216.0	3098.3	3074.8
10°	5853.5	5549.6	4939.7	4296.5	3616.0	3055.2	2572.8	2215.9	1925.7	1794.3	1692.3
12.5°	5663.3	5284.8	4492.6	3653.3	2863.0	2098.2	1502.1	1155.0	947.2	864.8	878.5
15°	5488.8	5029.9	4049.4	3010.1	2015.9	1266.8	829.5	700.1	651.0	635.4	633.4
17.5°	5322.1	4788.7	3608.2	2384.6	1329.5	776.5	635.4	604.0	590.3	582.4	582.4
20°	5171.1	4557.3	3176.8	1796.3	858.9	615.7	574.6	558.9	547.1	541.2	541.2
22.5°	5029.9	4333.8	2755.2	1270.7	633.4	553.0	527.5	511.8	498.1	490.2	490.2
25°	4902.4	4131.8	2353.2	874.6	545.2	505.9	478.5	460.8	437.3	423.6	423.6
27.5°	4810.3	3951.4	1966.9	637.3	492.2	454.9	423.6	400.0	374.5	358.9	354.9
30°	4755.4	3798.4	1576.6	523.6	443.2	405.9	370.6	341.2	311.8	296.1	294.1
32.5°	4724.0	3657.2	1219.7	456.9	402.0	358.9	319.6	288.3	258.8	241.2	239.2
35°	4735.8	3547.4	913.8	411.8	362.8	317.7	274.5	243.2	217.7	202.0	198.1
37.5°	4837.7	3498.4	686.3	376.5	329.4	282.4	237.3	207.9	184.3	172.6	170.6
40°	5035.8	3508.2	539.3	349.1	302.0	247.1	203.9	176.5	158.8	149.0	147.1
42.5°	5343.7	3590.6	445.1	325.5	272.6	215.7	176.5	154.9	137.3	127.5	125.5
45°	5802.5	3761.2	388.3	298.1	241.2	186.3	153.0	133.3	117.7	105.9	103.9
47.5°	6467.3	4057.3	351.0	272.6	213.7	160.8	131.4	111.8	98.0	88.2	86.3
50°	7175.2	4412.2	319.6	247.1	190.2	139.2	111.8	92.2	80.4	70.6	68.6
52.5°	7930.2	4794.6	296.1	223.6	168.6	119.6	94.1	76.5	64.7	54.9	52.9
55°	8655.8	5178.9	268.7	207.9	143.2	102.0	78.4	62.8	51.0	43.1	43.1
57.5°	9361.7	5531.9	239.2	182.4	117.7	86.3	64.7	51.0	41.2	35.3	33.3
60°	10204.9	6020.2	205.9	154.9	98.0	72.6	52.9	41.2	33.3	27.5	27.5
62.5°	11458.0	6528.1	176.5	129.4	82.4	60.8	43.1	33.3	27.5	23.5	21.6
65°	11867.8	6253.6	149.0	105.9	66.7	49.0	35.3	29.4	23.5	21.6	19.6
67.5°	10773.6	5126.0	123.5	86.3	54.9	41.2	31.4	25.5	21.6	19.6	17.6
70°	8406.7	3637.6	96.1	64.7	45.1	33.3	27.5	23.5	19.6	17.6	17.6
72.5°	5718.2	2151.2	76.5	49.0	37.3	29.4	23.5	21.6	19.6	17.6	15.7
75°	2816.0	764.8	58.8	37.3	29.4	25.5	21.6	19.6	17.6	15.7	15.7
77.5°	758.9	211.8	45.1	29.4	23.5	19.6	19.6	19.6	17.6	13.7	13.7
80°	256.9	88.2	33.3	21.6	19.6	15.7	13.7	17.6	15.7	13.7	11.8
82.5°	141.2	43.1	23.5	17.6	13.7	11.8	11.8	11.8	11.8	9.8	9.8
85°	90.2	23.5	15.7	13.7	13.7	9.8	7.8	7.8	5.9	5.9	5.9
87.5°	41.2	13.7	13.7	11.8	11.8	9.8	5.9	3.9	2.0	2.0	2.0
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)