

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: P635829

Luminaire Tested: GWS-SA3E-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13209.1 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

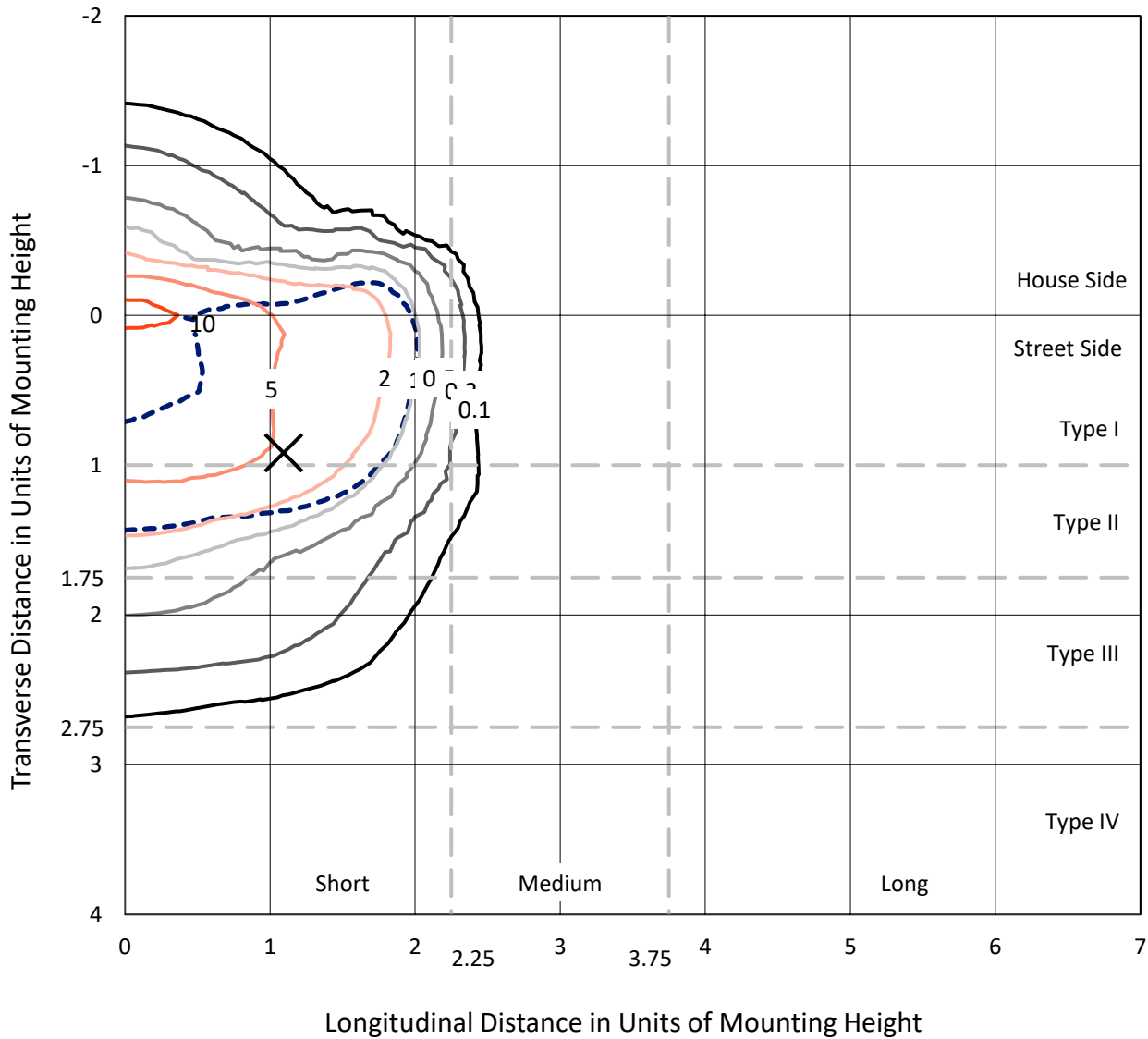
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

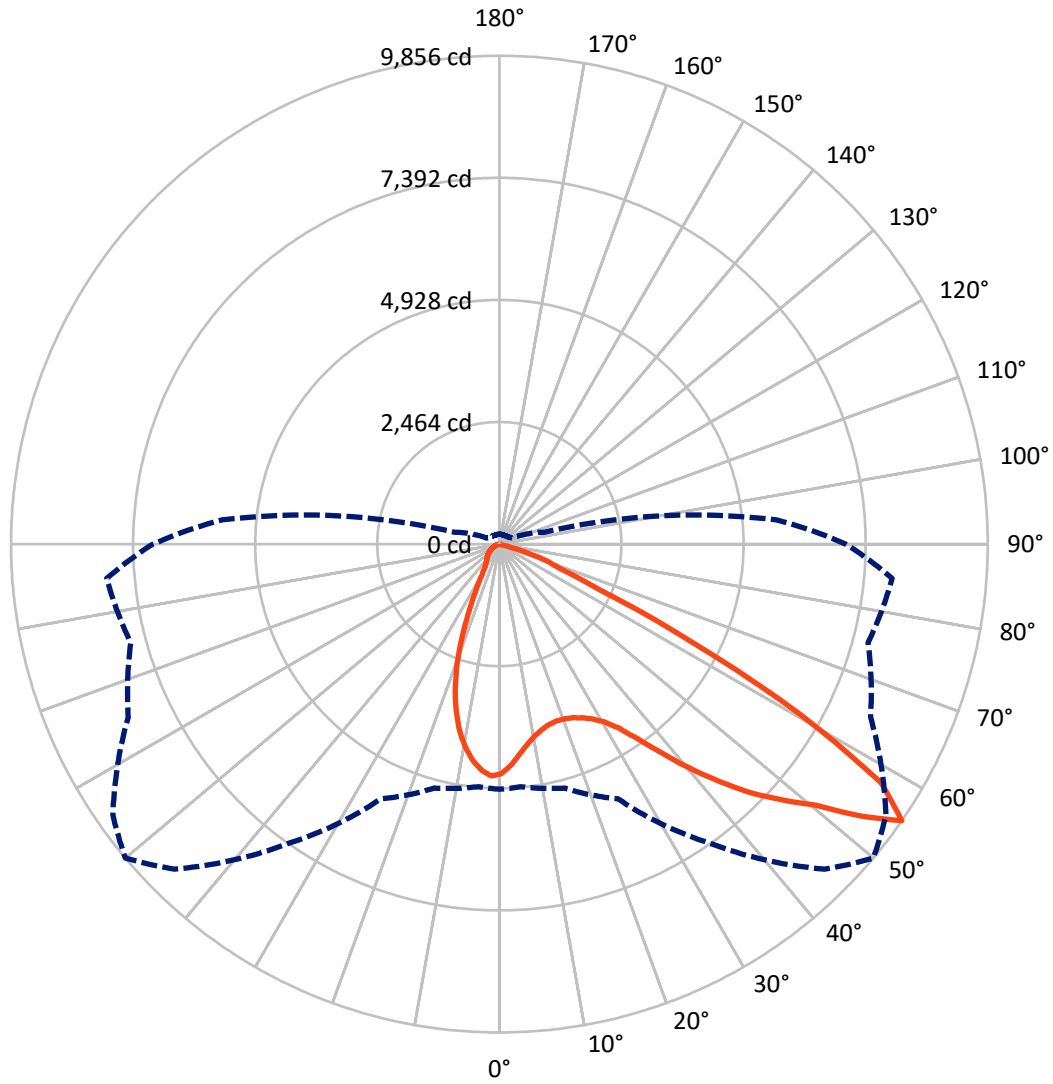
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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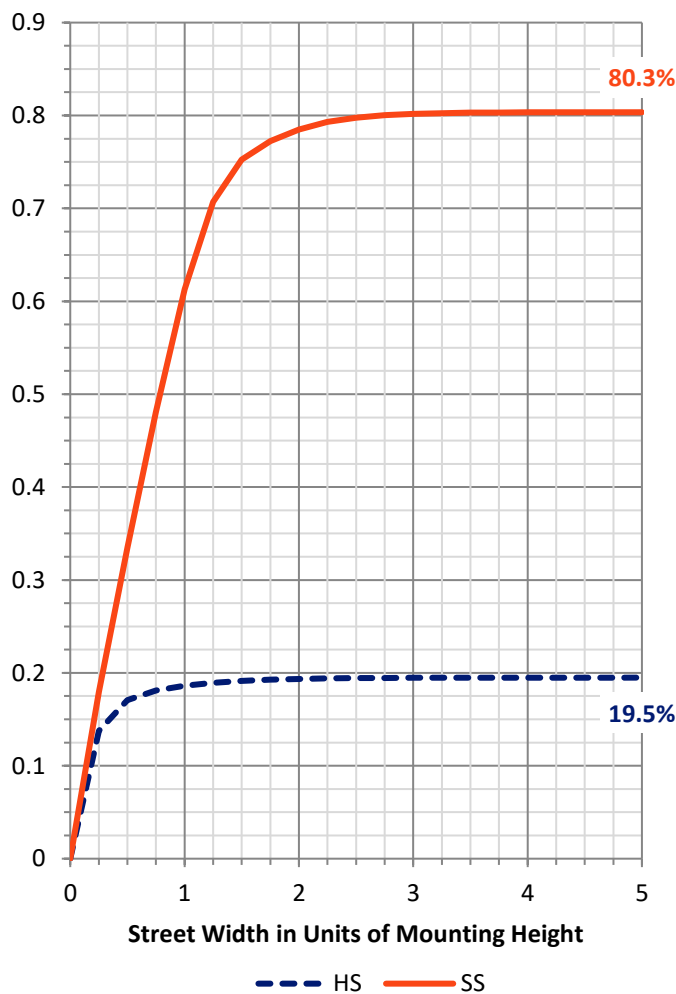
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2602.8	0.0	2602.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	10606.3	0.0	10606.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	13209.1	0.0	13209.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.0	3.1
10°-20°	1001.6	7.6
20°-30°	1412.7	10.7
30°-40°	2090.6	15.8
40°-50°	3016.0	22.8
50°-60°	3557.6	26.9
60°-70°	1587.0	12.0
70°-80°	136.4	1.0
80°-90°	0.1	0.0
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°	13209.1	100.0
0°-180°	13209.1	100.0

Coefficient of Utilization



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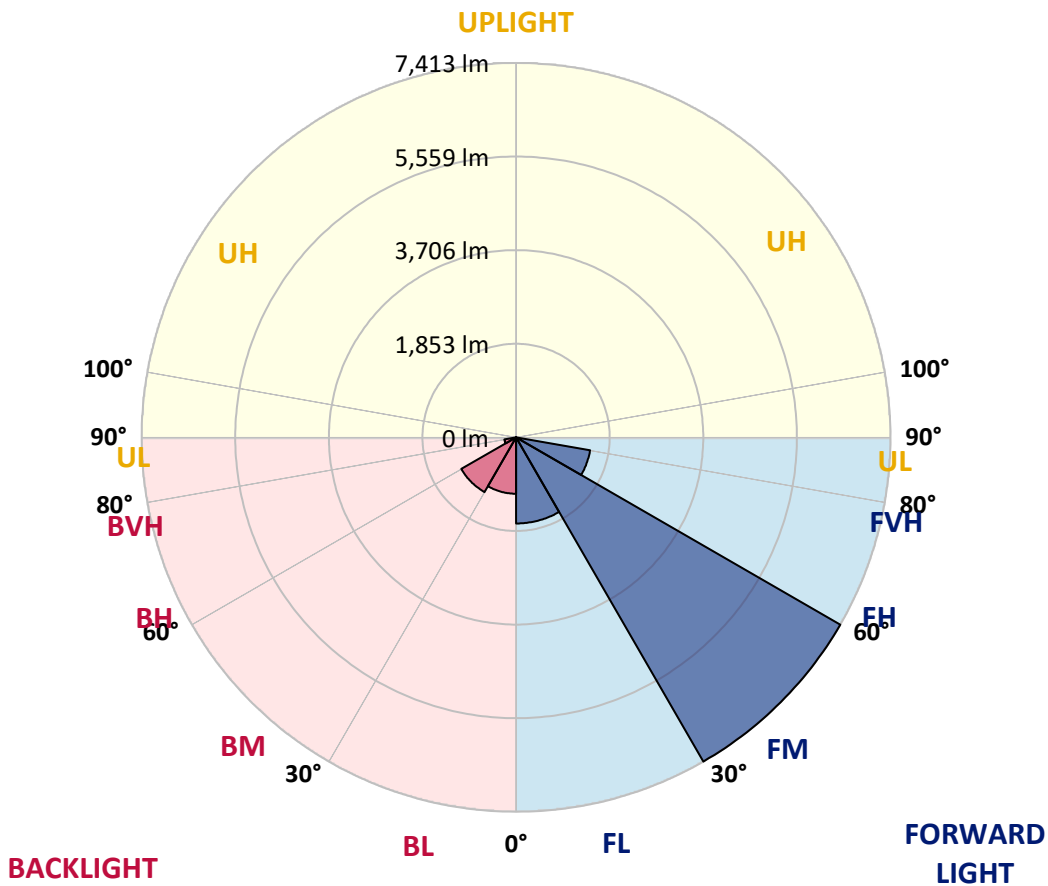
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1705.3	12.9			
FM (30°-60°)	7412.5	56.1			
FH (60°-80°)	1488.4	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1116.0	8.4	B3/2500		
BM (30°-60°)	1251.8	9.5	B2/2500		
BH (60°-80°)	235.0	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5
2.5°	4305.5	4308.8	4310.4	4353.9	4370.0	4434.5	4468.4	4486.1	4532.9	4587.7	4632.9
5°	4016.9	4012.0	4020.1	4074.9	4110.4	4205.5	4257.1	4292.6	4395.8	4524.8	4632.9
7.5°	3765.3	3775.0	3784.7	3844.3	3897.5	4000.8	4074.9	4128.1	4271.7	4463.6	4645.8
10°	3587.9	3587.9	3602.5	3670.2	3733.1	3860.5	3934.6	4002.4	4173.3	4408.7	4660.3
12.5°	3457.3	3458.9	3476.7	3554.1	3626.6	3758.9	3836.3	3902.4	4091.1	4353.9	4663.5
15°	3396.0	3391.2	3405.7	3488.0	3568.6	3692.8	3773.4	3837.9	4033.0	4323.3	4679.6
17.5°	3379.9	3376.7	3388.0	3468.6	3550.8	3671.8	3750.8	3815.3	4024.9	4332.9	4728.0
20°	3426.7	3420.2	3415.4	3484.7	3562.1	3681.5	3763.7	3836.3	4063.6	4386.2	4802.2
22.5°	3537.9	3537.9	3526.7	3560.5	3612.1	3720.2	3805.6	3900.8	4165.2	4492.6	4911.8
25°	3742.7	3726.6	3705.7	3720.2	3713.7	3781.4	3883.0	4015.3	4357.1	4668.4	5045.7
27.5°	3976.6	3991.1	3955.6	3957.2	3900.8	3876.6	3994.3	4194.3	4642.5	4916.7	5244.0
30°	4294.2	4282.9	4284.6	4279.7	4149.1	4034.6	4162.0	4428.1	5002.1	5295.6	5502.0
32.5°	4542.6	4558.7	4611.9	4642.5	4471.6	4287.8	4423.2	4745.8	5411.7	5727.8	5818.1
35°	4805.4	4834.4	4942.5	5042.5	4898.9	4687.7	4832.8	5166.6	5797.1	6155.1	6180.9
37.5°	5082.8	5140.8	5269.8	5445.6	5423.0	5236.0	5368.2	5661.7	6100.3	6413.1	6480.9
40°	5400.5	5456.9	5668.1	5921.3	5974.5	5932.6	5976.1	6147.1	6300.3	6424.4	6609.9
42.5°	5748.8	5826.2	6093.9	6432.5	6632.4	6669.5	6567.9	6550.2	6387.3	6295.4	6582.5
45°	6160.0	6250.3	6553.4	6992.0	7309.7	7359.7	7183.9	6956.6	6442.2	6200.3	6500.2
47.5°	6621.2	6706.6	7008.2	7535.5	8008.0	8027.3	7720.9	7354.9	6605.0	6309.9	6563.1
50°	6776.0	6829.2	7090.4	7709.6	8580.4	8728.8	8285.3	7803.2	6932.4	6632.4	6869.5
52.5°	6243.8	6264.8	6492.2	7117.8	8464.3	9417.3	9109.3	8472.4	7514.5	7124.3	7342.0
55°	4947.3	4913.5	5097.3	5671.4	7356.5	9277.0	9855.9	9523.8	8264.4	7701.6	7956.4
57.5°	3460.5	3420.2	3378.3	3766.9	5489.1	7864.4	9081.9	9670.5	8978.7	8274.0	8619.1
60°	2844.5	2805.8	2602.7	2423.7	3318.6	5647.2	6975.9	8083.7	8920.7	8245.0	8598.2
62.5°	2457.5	2435.0	2352.7	2109.2	1952.8	3223.5	4368.4	5429.5	6845.3	6474.4	6493.8
65°	1930.2	1923.8	1980.2	2006.0	1727.0	1783.5	2228.6	2822.0	3700.8	3489.6	3309.0
67.5°	1319.1	1304.6	1411.0	1735.1	1660.9	1407.8	1304.6	1315.8	1601.3	978.8	777.3
70°	838.5	804.7	806.3	1075.6	1351.3	1111.1	1006.2	885.3	796.6	145.1	164.5
72.5°	537.0	516.0	443.5	485.4	625.7	541.8	546.7	470.9	314.4	77.4	90.3
75°	225.8	208.0	159.6	127.4	125.8	79.0	69.3	64.5	43.5	43.5	46.8
77.5°	1.6	0.0	0.0	1.6	3.2	1.6	1.6	3.2	6.5	9.7	11.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5	4634.5
2.5°	4660.3	4621.6	4665.1	4681.3	4679.6	4681.3	4634.5	4602.2	4600.6	4560.3	4541.0
5°	4678.0	4647.4	4679.6	4658.7	4608.7	4545.8	4461.9	4389.4	4357.1	4310.4	4287.8
7.5°	4711.9	4679.6	4674.8	4590.9	4466.8	4334.6	4186.2	4054.0	3983.0	3897.5	3902.4
10°	4736.1	4699.0	4636.1	4465.2	4258.8	4047.5	3826.6	3629.9	3505.7	3391.2	3371.9
12.5°	4745.8	4690.9	4544.2	4286.2	3995.9	3720.2	3396.0	3115.5	2922.0	2772.0	2751.0
15°	4763.5	4674.8	4426.5	4070.1	3671.8	3281.6	2868.7	2484.9	2228.6	2056.0	2070.5
17.5°	4790.9	4657.1	4294.2	3828.2	3323.5	2772.0	2214.0	1773.8	1538.4	1438.4	1440.0
20°	4829.6	4636.1	4149.1	3562.1	2905.8	2196.3	1548.1	1215.9	1149.8	1146.5	1141.7
22.5°	4881.2	4615.1	3994.3	3270.3	2410.8	1538.4	1030.4	927.2	954.6	1007.8	1017.5
25°	4942.5	4589.3	3821.8	2941.3	1870.6	1009.5	772.4	756.3	822.4	893.4	909.5
27.5°	5037.6	4576.4	3625.0	2567.2	1312.6	724.0	632.1	641.8	701.5	761.1	775.6
30°	5198.9	4600.6	3410.6	2147.9	843.4	577.3	548.3	562.8	595.0	625.7	638.6
32.5°	5418.2	4671.6	3202.5	1690.0	601.5	501.5	495.1	503.1	516.0	533.8	538.6
35°	5674.6	4794.1	2988.1	1209.4	496.7	458.0	451.5	451.5	458.0	461.2	462.8
37.5°	5885.8	4923.1	2786.5	804.7	445.1	424.1	414.4	409.6	408.0	411.2	412.8
40°	5977.7	4976.3	2567.2	585.4	408.0	393.5	379.0	364.4	364.4	375.7	377.3
42.5°	5913.2	4916.7	2314.0	483.8	382.2	361.2	338.6	325.7	332.2	343.5	346.7
45°	5776.2	4769.9	2035.0	427.3	356.4	329.0	303.2	295.1	301.5	316.1	319.3
47.5°	5753.6	4673.2	1701.2	390.2	329.0	301.5	274.1	266.1	274.1	285.4	288.6
50°	5977.7	4757.0	1330.4	358.0	303.2	272.5	249.9	241.9	246.7	253.2	256.4
52.5°	6387.3	5068.3	1074.0	327.3	272.5	243.5	229.0	219.3	219.3	225.8	227.4
55°	6992.0	5611.7	927.2	291.9	237.0	220.9	208.0	198.3	198.3	201.6	203.2
57.5°	7688.7	6269.6	961.1	245.1	208.0	200.0	188.7	180.6	183.8	183.8	183.8
60°	7591.9	6221.2	1028.8	206.4	183.8	180.6	170.9	167.7	175.8	169.3	166.1
62.5°	5592.3	4297.5	538.6	169.3	158.0	154.8	148.4	154.8	166.1	148.4	141.9
65°	2715.5	2080.2	216.1	138.7	133.8	130.6	127.4	137.1	143.5	116.1	109.7
67.5°	638.6	519.2	140.3	117.7	111.3	104.8	108.0	109.7	104.8	79.0	75.8
70°	166.1	162.9	109.7	98.4	88.7	82.2	82.2	80.6	69.3	50.0	46.8
72.5°	90.3	88.7	79.0	74.2	61.3	54.8	56.4	50.0	38.7	29.0	27.4
75°	45.2	48.4	45.2	41.9	33.9	30.6	30.6	27.4	19.4	11.3	11.3
77.5°	9.7	11.3	11.3	9.7	8.1	6.5	6.5	8.1	3.2	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)