

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: P635334

Luminaire Tested: GWS-SA3D-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635334
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-SA3D-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: 10570.2 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

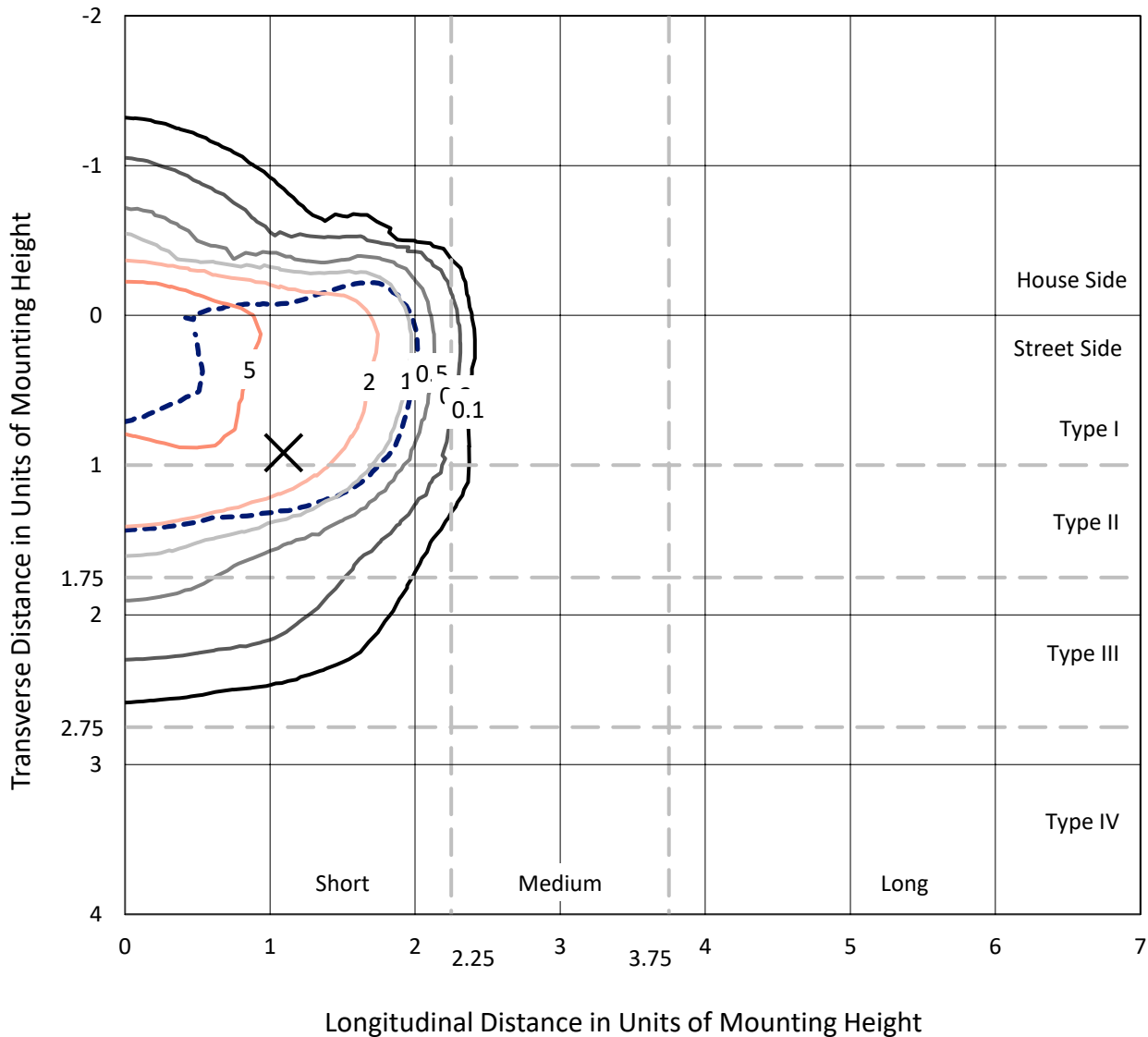
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

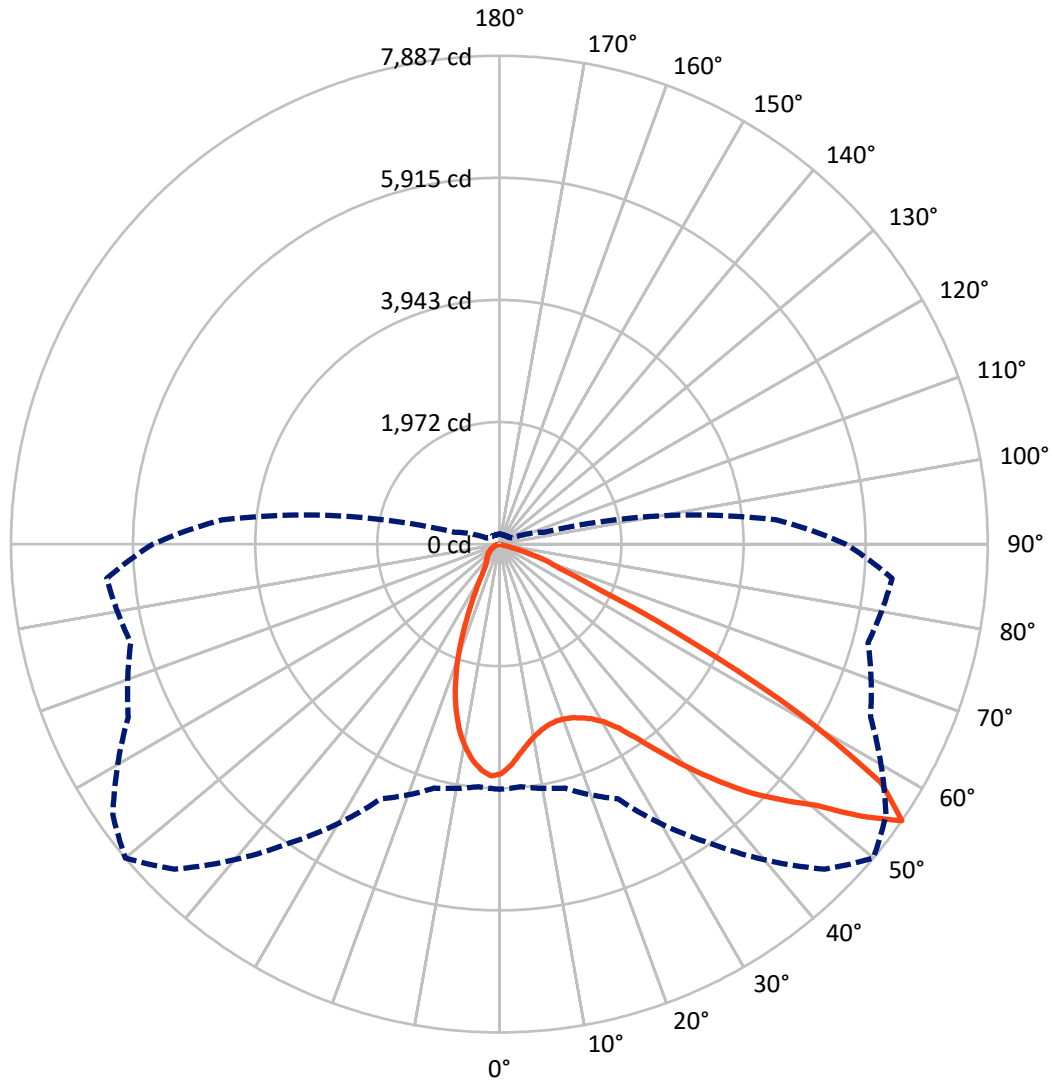
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.3 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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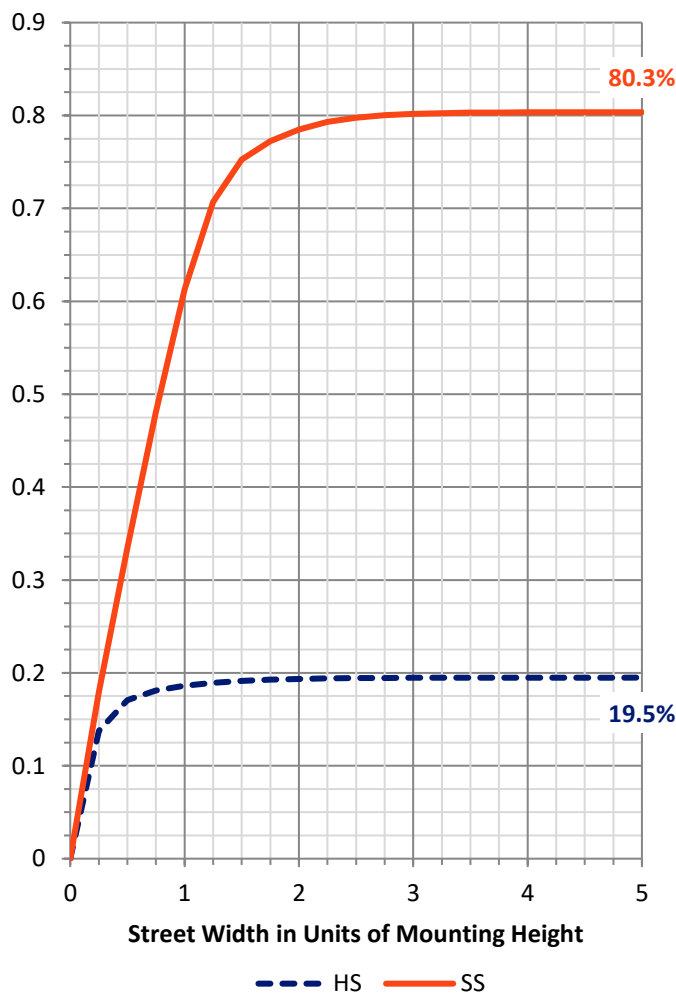
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2082.8	0.0	2082.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	8487.4	0.0	8487.4
	% Fixture	80.3	0.0	80.3
Total	Lumens	10570.2	0.0	10570.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.7	3.1
10°-20°	801.5	7.6
20°-30°	1130.5	10.7
30°-40°	1672.9	15.8
40°-50°	2413.5	22.8
50°-60°	2846.9	26.9
60°-70°	1270.0	12.0
70°-80°	109.2	1.0
80°-90°	0.0	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°	10570.2	100.0
0°-180°	10570.2	100.0

Coefficient of Utilization



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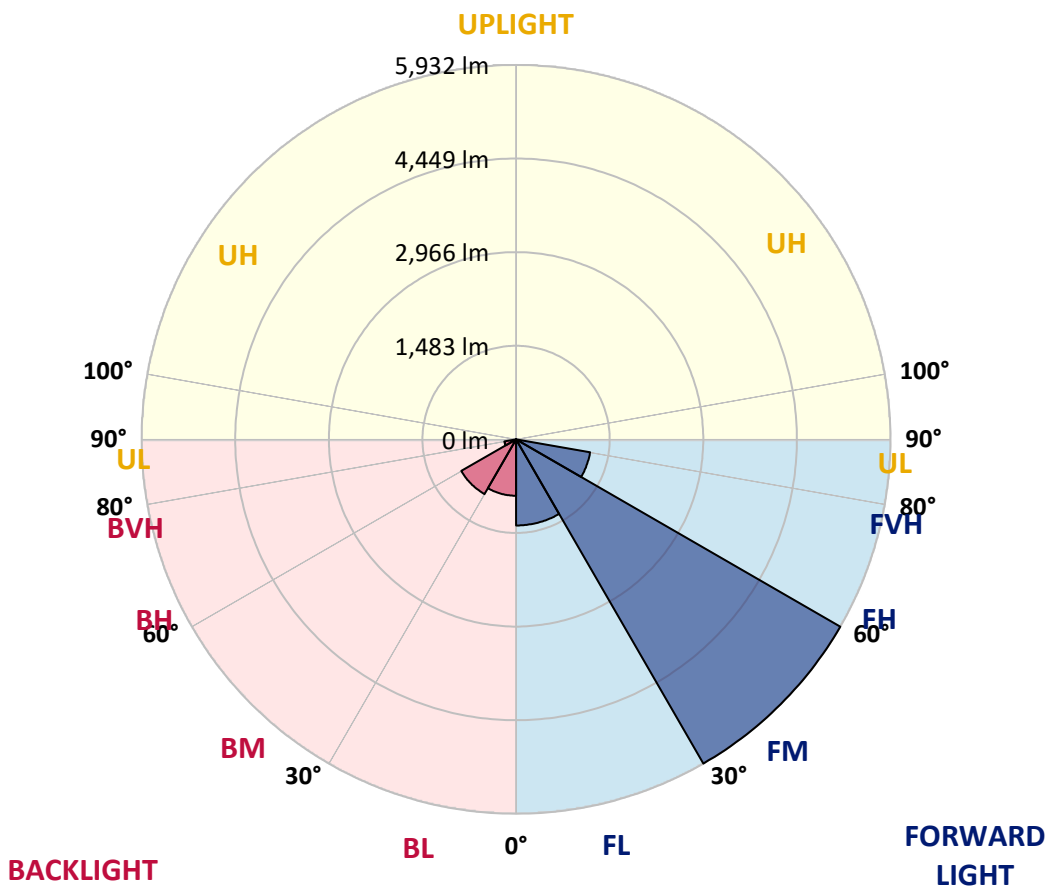
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1364.6	12.9			
FM (30°-60°)	5931.6	56.1			
FH (60°-80°)	1191.1	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	893.0	8.4	B2/1000		
BM (30°-60°)	1001.7	9.5	B2/2500		
BH (60°-80°)	188.1	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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6
2.5°	3445.4	3448.0	3449.2	3484.1	3497.0	3548.6	3575.7	3589.9	3627.3	3671.2	3707.3
5°	3214.4	3210.5	3217.0	3260.8	3289.2	3365.4	3406.7	3435.0	3517.6	3620.9	3707.3
7.5°	3013.1	3020.8	3028.6	3076.3	3118.9	3201.5	3260.8	3303.4	3418.3	3571.8	3717.6
10°	2871.1	2871.1	2882.8	2937.0	2987.3	3089.2	3148.6	3202.8	3339.6	3528.0	3729.3
12.5°	2766.6	2767.9	2782.1	2844.0	2902.1	3007.9	3069.9	3122.8	3273.7	3484.1	3731.8
15°	2717.6	2713.7	2725.3	2791.1	2855.7	2955.0	3019.5	3071.2	3227.3	3459.6	3744.7
17.5°	2704.7	2702.1	2711.1	2775.7	2841.5	2938.2	3001.5	3053.1	3220.8	3467.3	3783.5
20°	2742.1	2736.9	2733.1	2788.6	2850.5	2946.0	3011.8	3069.9	3251.8	3509.9	3842.8
22.5°	2831.1	2831.1	2822.1	2849.2	2890.5	2977.0	3045.3	3121.5	3333.1	3595.1	3930.6
25°	2995.0	2982.1	2965.3	2977.0	2971.8	3026.0	3107.3	3213.1	3486.7	3735.7	4037.7
27.5°	3182.1	3193.7	3165.4	3166.6	3121.5	3102.1	3196.3	3356.3	3715.1	3934.4	4196.4
30°	3436.3	3427.3	3428.6	3424.7	3320.2	3228.6	3330.5	3543.4	4002.8	4237.7	4402.8
32.5°	3635.1	3648.0	3690.5	3715.1	3578.3	3431.2	3539.6	3797.7	4330.6	4583.5	4655.8
35°	3845.4	3868.6	3955.1	4035.1	3920.2	3751.2	3867.3	4134.4	4639.0	4925.5	4946.1
37.5°	4067.3	4113.8	4217.0	4357.7	4339.6	4189.9	4295.7	4530.6	4881.6	5131.9	5186.1
40°	4321.6	4366.7	4535.8	4738.4	4780.9	4747.4	4782.2	4919.0	5041.6	5141.0	5289.4
42.5°	4600.3	4662.2	4876.4	5147.4	5307.4	5337.1	5255.8	5241.6	5111.3	5037.7	5267.4
45°	4929.3	5001.6	5244.2	5595.2	5849.4	5889.4	5748.7	5566.8	5155.2	4961.6	5201.6
47.5°	5298.4	5366.8	5608.1	6030.0	6408.1	6423.6	6178.4	5885.5	5285.5	5049.3	5251.9
50°	5422.3	5464.9	5673.9	6169.4	6866.2	6984.9	6630.1	6244.3	5547.4	5307.4	5497.1
52.5°	4996.4	5013.2	5195.2	5695.8	6773.3	7535.9	7289.5	6779.8	6013.3	5701.0	5875.2
55°	3959.0	3931.9	4079.0	4538.3	5886.8	7423.7	7886.9	7621.1	6613.3	6163.0	6366.8
57.5°	2769.2	2736.9	2703.4	3014.4	4392.5	6293.3	7267.5	7738.5	7185.0	6621.1	6897.2
60°	2276.3	2245.3	2082.7	1939.5	2655.6	4519.0	5582.3	6468.8	7138.5	6597.8	6880.4
62.5°	1966.6	1948.5	1882.7	1687.8	1562.7	2579.5	3495.7	4344.8	5477.8	5181.0	5196.4
65°	1544.6	1539.4	1584.6	1605.3	1382.0	1427.2	1783.3	2258.2	2961.5	2792.4	2647.9
67.5°	1055.5	1043.9	1129.1	1388.5	1329.1	1126.5	1043.9	1053.0	1281.4	783.3	622.0
70°	671.0	643.9	645.2	860.7	1081.4	889.1	805.2	708.4	637.5	116.1	131.6
72.5°	429.7	412.9	354.9	388.4	500.7	433.6	437.4	376.8	251.6	61.9	72.3
75°	180.7	166.5	127.7	101.9	100.7	63.2	55.5	51.6	34.8	34.8	37.4
77.5°	1.3	0.0	0.0	1.3	2.6	1.3	1.3	2.6	5.2	7.7	9.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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°	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6	3708.6
2.5°	3729.3	3698.3	3733.1	3746.0	3744.7	3746.0	3708.6	3682.8	3681.5	3649.3	3633.8
5°	3743.5	3718.9	3744.7	3728.0	3688.0	3637.6	3570.5	3512.5	3486.7	3449.2	3431.2
7.5°	3770.6	3744.7	3740.9	3673.8	3574.4	3468.6	3349.9	3244.1	3187.3	3118.9	3122.8
10°	3789.9	3760.2	3709.9	3573.1	3408.0	3238.9	3062.1	2904.7	2805.3	2713.7	2698.2
12.5°	3797.7	3753.8	3636.4	3429.9	3197.6	2977.0	2717.6	2493.1	2338.2	2218.2	2201.4
15°	3811.8	3740.9	3542.2	3257.0	2938.2	2626.0	2295.6	1988.5	1783.3	1645.3	1656.9
17.5°	3833.8	3726.7	3436.3	3063.4	2659.5	2218.2	1771.7	1419.4	1231.0	1151.0	1152.3
20°	3864.8	3709.9	3320.2	2850.5	2325.3	1757.5	1238.8	973.0	920.1	917.5	913.6
22.5°	3906.0	3693.1	3196.3	2616.9	1929.2	1231.0	824.6	742.0	763.9	806.5	814.2
25°	3955.1	3672.5	3058.3	2353.7	1496.9	807.8	618.1	605.2	658.1	714.9	727.8
27.5°	4031.2	3662.2	2900.8	2054.3	1050.4	579.4	505.8	513.6	561.3	609.1	620.7
30°	4160.3	3681.5	2729.2	1718.8	674.9	462.0	438.7	450.4	476.2	500.7	511.0
32.5°	4335.7	3738.3	2562.7	1352.3	481.3	401.3	396.2	402.6	412.9	427.1	431.0
35°	4540.9	3836.4	2391.1	967.8	397.4	366.5	361.3	361.3	366.5	369.1	370.3
37.5°	4710.0	3939.6	2229.8	643.9	356.2	339.4	331.6	327.8	326.5	329.1	330.3
40°	4783.5	3982.2	2054.3	468.4	326.5	314.9	303.2	291.6	291.6	300.7	302.0
42.5°	4731.9	3934.4	1851.7	387.1	305.8	289.0	271.0	260.7	265.8	274.9	277.4
45°	4622.2	3817.0	1628.5	342.0	285.2	263.2	242.6	236.1	241.3	252.9	255.5
47.5°	4604.2	3739.6	1361.4	312.3	263.2	241.3	219.4	212.9	219.4	228.4	231.0
50°	4783.5	3806.7	1064.6	286.5	242.6	218.1	200.0	193.6	197.4	202.6	205.2
52.5°	5111.3	4055.7	859.4	262.0	218.1	194.9	183.2	175.5	175.5	180.7	181.9
55°	5595.2	4490.6	742.0	233.6	189.7	176.8	166.5	158.7	158.7	161.3	162.6
57.5°	6152.6	5017.1	769.1	196.1	166.5	160.0	151.0	144.5	147.1	147.1	147.1
60°	6075.2	4978.4	823.3	165.2	147.1	144.5	136.8	134.2	140.7	135.5	132.9
62.5°	4475.1	3438.9	431.0	135.5	126.5	123.9	118.7	123.9	132.9	118.7	113.6
65°	2173.0	1664.6	172.9	111.0	107.1	104.5	101.9	109.7	114.8	92.9	87.7
67.5°	511.0	415.5	112.3	94.2	89.0	83.9	86.5	87.7	83.9	63.2	60.6
70°	132.9	130.3	87.7	78.7	71.0	65.8	65.8	64.5	55.5	40.0	37.4
72.5°	72.3	71.0	63.2	59.4	49.0	43.9	45.2	40.0	31.0	23.2	21.9
75°	36.1	38.7	36.1	33.6	27.1	24.5	24.5	21.9	15.5	9.0	9.0
77.5°	7.7	9.0	9.0	7.7	6.5	5.2	5.2	6.5	2.6	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	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)