

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: P635279

Luminaire Tested: GWS-SA3D-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635279  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

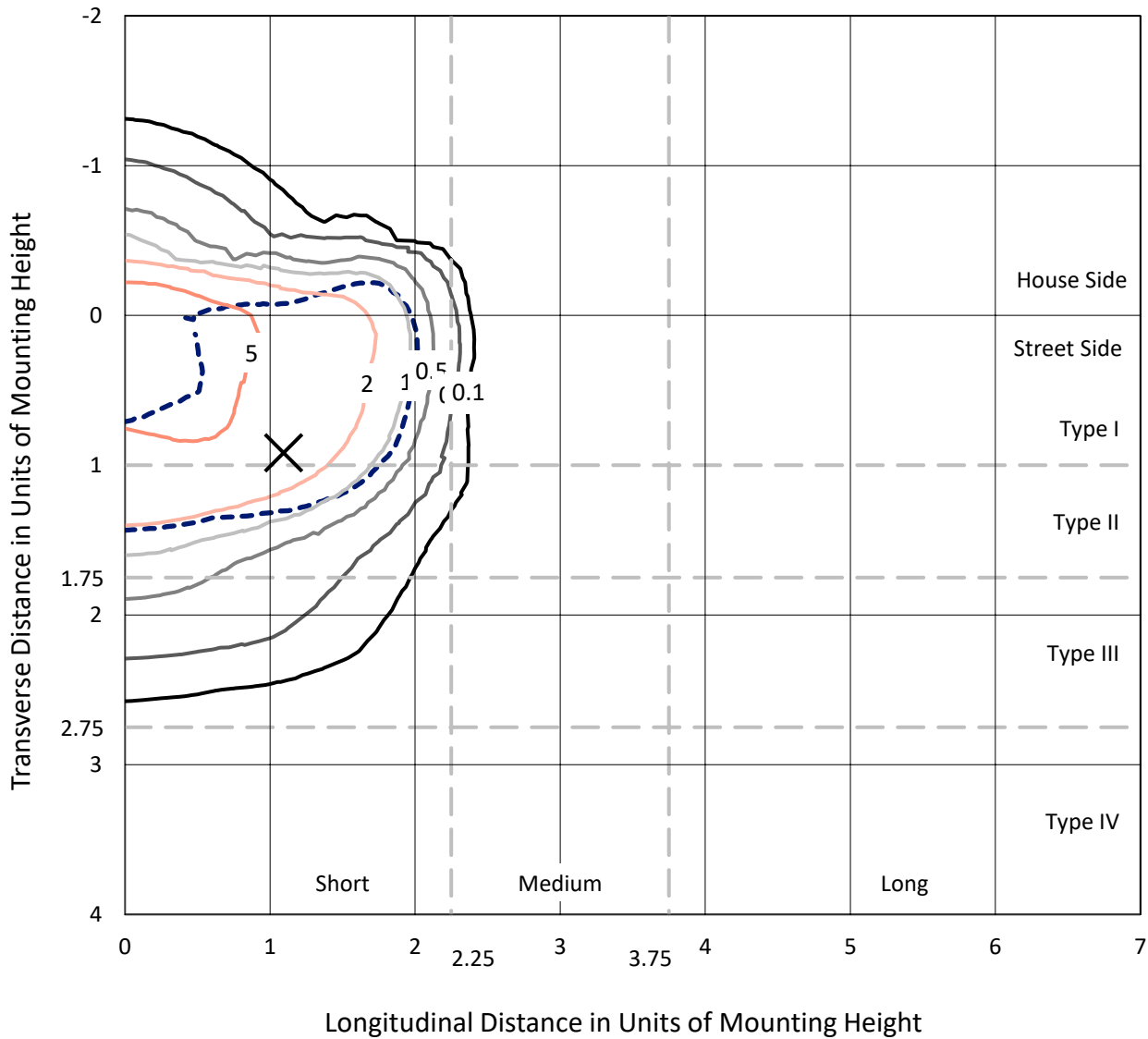
Lumens per Lamp: N/A  
Luminaire Lumens: 10333.4 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

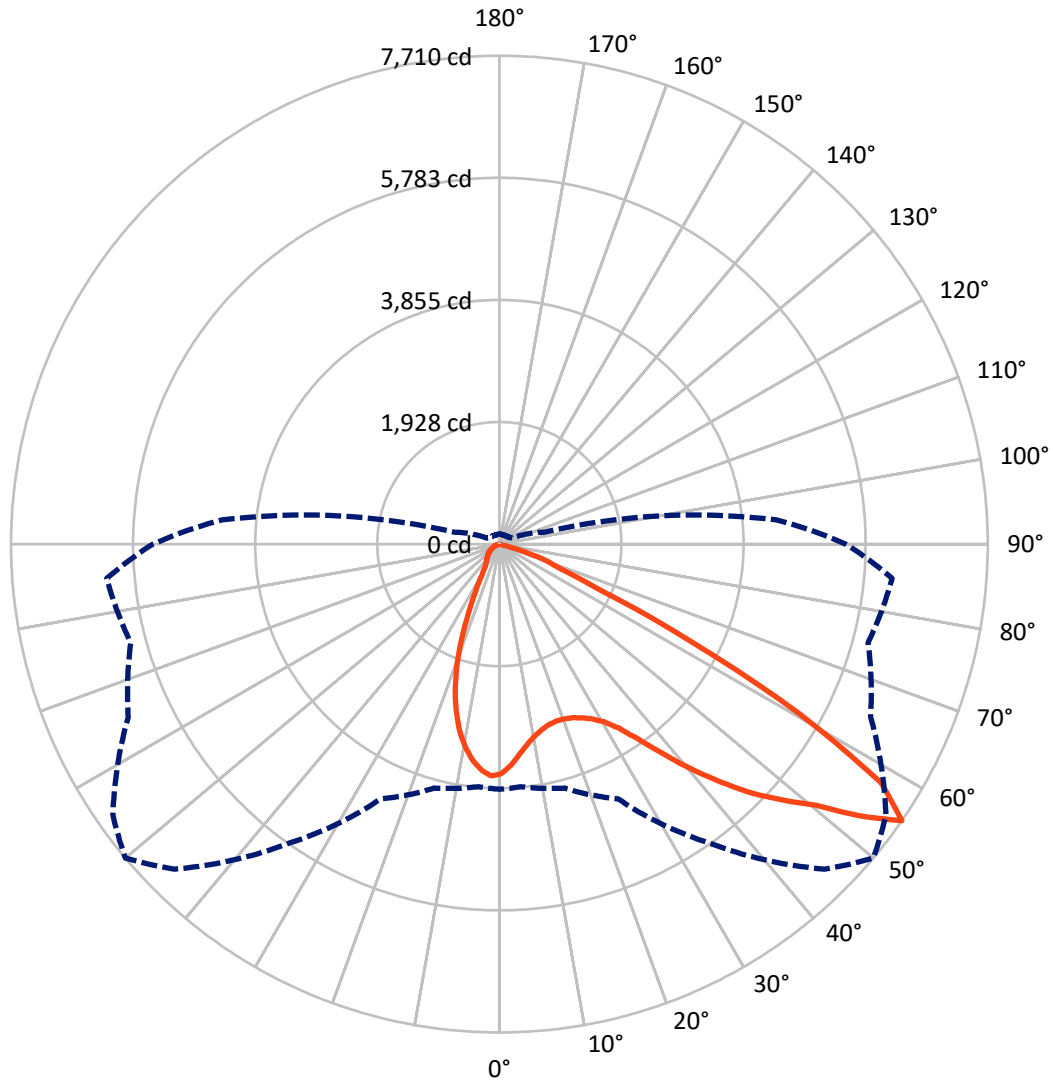
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.1 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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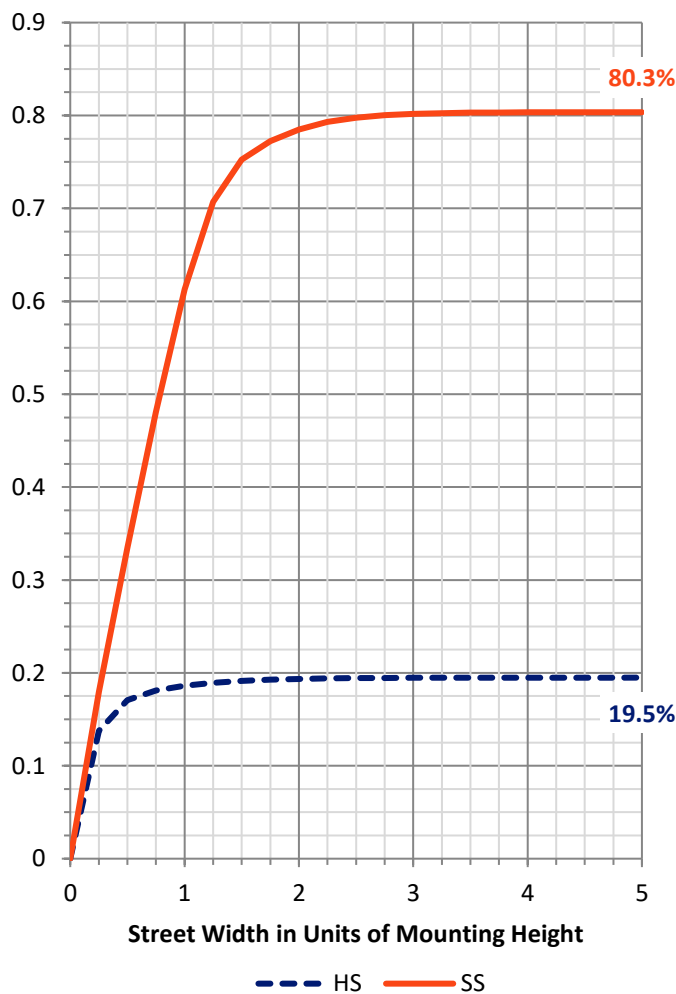
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2036.2	0.0	2036.2
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	8297.2	0.0	8297.2
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	10333.4	0.0	10333.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.4	3.1
10°-20°	783.5	7.6
20°-30°	1105.2	10.7
30°-40°	1635.5	15.8
40°-50°	2359.4	22.8
50°-60°	2783.1	26.9
60°-70°	1241.5	12.0
70°-80°	106.7	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°	10333.4	100.0
0°-180°	10333.4	100.0

**Coefficient of Utilization**



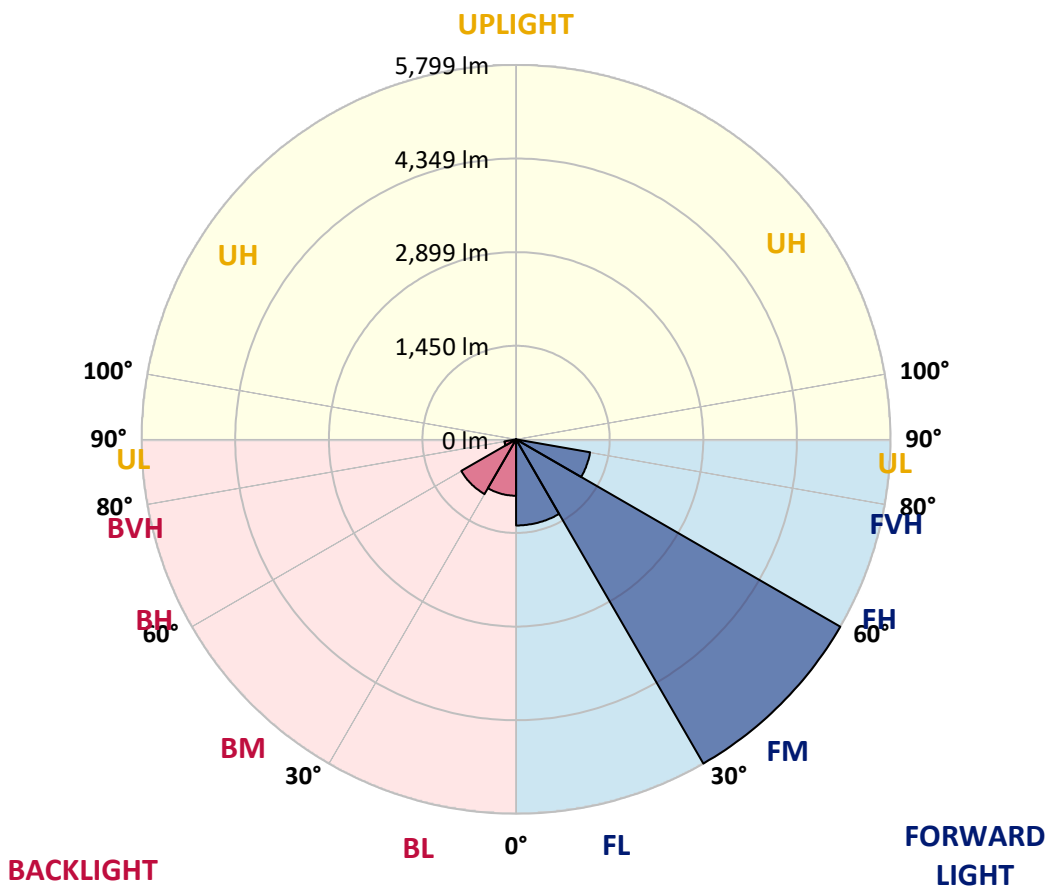
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1334.1	12.9			
FM (30°-60°)	5798.8	56.1			
FH (60°-80°)	1164.4	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	873.0	8.4	B2/1000		
BM (30°-60°)	979.3	9.5	B1/1000		
BH (60°-80°)	183.8	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°	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5
2.5°	3368.2	3370.7	3372.0	3406.0	3418.6	3469.1	3495.6	3509.5	3546.1	3588.9	3624.3
5°	3142.4	3138.6	3144.9	3187.8	3215.5	3290.0	3330.3	3358.1	3438.8	3539.7	3624.3
7.5°	2945.6	2953.2	2960.7	3007.4	3049.0	3129.8	3187.8	3229.4	3341.7	3491.8	3634.4
10°	2806.8	2806.8	2818.2	2871.2	2920.4	3020.0	3078.0	3131.0	3264.7	3448.9	3645.7
12.5°	2704.6	2705.9	2719.8	2780.3	2837.1	2940.5	3001.1	3052.8	3200.4	3406.0	3648.2
15°	2656.7	2652.9	2664.3	2728.6	2791.7	2888.8	2951.9	3002.4	3155.0	3382.1	3660.9
17.5°	2644.1	2641.6	2650.4	2713.5	2777.8	2872.4	2934.2	2984.7	3148.7	3389.6	3698.7
20°	2680.7	2675.6	2671.8	2726.1	2786.6	2880.0	2944.3	3001.1	3179.0	3431.3	3756.7
22.5°	2767.7	2767.7	2758.9	2785.4	2825.7	2910.3	2977.1	3051.6	3258.4	3514.5	3842.5
25°	2927.9	2915.3	2898.9	2910.3	2905.2	2958.2	3037.7	3141.1	3408.6	3652.0	3947.2
27.5°	3110.8	3122.2	3094.4	3095.7	3051.6	3032.6	3124.7	3281.1	3631.8	3846.3	4102.4
30°	3359.4	3350.5	3351.8	3348.0	3245.8	3156.3	3255.9	3464.1	3913.2	4142.7	4304.2
32.5°	3553.6	3566.2	3607.9	3631.8	3498.1	3354.3	3460.3	3712.6	4233.6	4480.8	4551.5
35°	3759.2	3782.0	3866.5	3944.7	3832.4	3667.2	3780.7	4041.8	4535.1	4815.1	4835.3
37.5°	3976.2	4021.6	4122.6	4260.1	4242.4	4096.1	4199.5	4429.1	4772.2	5017.0	5069.9
40°	4224.7	4268.9	4434.1	4632.2	4673.8	4641.0	4675.1	4808.8	4928.7	5025.8	5170.9
42.5°	4497.2	4557.8	4767.2	5032.1	5188.5	5217.5	5138.1	5124.2	4996.8	4924.9	5149.4
45°	4818.9	4889.5	5126.7	5469.8	5718.3	5757.5	5620.0	5442.1	5039.7	4850.4	5085.1
47.5°	5179.7	5246.5	5482.4	5895.0	6264.6	6279.7	6040.0	5753.7	5167.1	4936.2	5134.3
50°	5300.8	5342.4	5546.8	6031.2	6712.4	6828.5	6481.6	6104.4	5423.2	5188.5	5374.0
52.5°	4884.5	4900.9	5078.8	5568.2	6621.6	7367.1	7126.2	6627.9	5878.6	5573.3	5743.6
55°	3870.3	3843.8	3987.6	4436.7	5754.9	7257.4	7710.2	7450.4	6465.2	6024.9	6224.2
57.5°	2707.2	2675.6	2642.8	2946.8	4294.1	6152.3	7104.7	7565.2	7024.0	6472.7	6742.7
60°	2225.3	2195.0	2036.0	1896.0	2596.2	4417.7	5457.2	6323.9	6978.6	6450.0	6726.3
62.5°	1922.5	1904.9	1840.5	1650.0	1527.7	2521.7	3417.4	4247.4	5355.0	5064.9	5080.0
65°	1510.0	1505.0	1549.1	1569.3	1351.1	1395.2	1743.4	2207.6	2895.1	2729.9	2588.6
67.5°	1031.9	1020.5	1103.8	1357.4	1299.3	1101.3	1020.5	1029.4	1252.7	765.7	608.0
70°	656.0	629.5	630.7	841.4	1057.1	869.2	787.2	692.6	623.2	113.5	128.7
72.5°	420.1	403.7	346.9	379.7	489.5	423.9	427.6	368.4	246.0	60.6	70.6
75°	176.6	162.7	124.9	99.7	98.4	61.8	54.2	50.5	34.1	34.1	36.6
77.5°	1.3	0.0	0.0	1.3	2.5	1.3	1.3	2.5	5.0	7.6	8.8
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°	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5	3625.5
2.5°	3645.7	3615.4	3649.5	3662.1	3660.9	3662.1	3625.5	3600.3	3599.0	3567.5	3552.4
5°	3659.6	3635.6	3660.9	3644.5	3605.3	3556.1	3490.6	3433.8	3408.6	3372.0	3354.3
7.5°	3686.1	3660.9	3657.1	3591.5	3494.3	3390.9	3274.8	3171.4	3115.9	3049.0	3052.8
10°	3705.0	3676.0	3626.8	3493.1	3331.6	3166.3	2993.5	2839.6	2742.5	2652.9	2637.8
12.5°	3712.6	3669.7	3554.9	3353.0	3126.0	2910.3	2656.7	2437.2	2285.8	2168.5	2152.1
15°	3726.5	3657.1	3462.8	3184.0	2872.4	2567.1	2244.2	1944.0	1743.4	1608.4	1619.8
17.5°	3747.9	3643.2	3359.4	2994.8	2599.9	2168.5	1732.0	1387.6	1203.5	1125.3	1126.5
20°	3778.2	3626.8	3245.8	2786.6	2273.2	1718.2	1211.0	951.2	899.4	896.9	893.1
22.5°	3818.5	3610.4	3124.7	2558.3	1885.9	1203.5	806.1	725.4	746.8	788.4	796.0
25°	3866.5	3590.2	2989.7	2301.0	1463.3	789.7	604.3	591.6	643.4	698.9	711.5
27.5°	3940.9	3580.1	2835.8	2008.3	1026.9	566.4	494.5	502.1	548.7	595.4	606.8
30°	4067.1	3599.0	2668.1	1680.3	659.8	451.6	428.9	440.3	465.5	489.5	499.6
32.5°	4238.6	3654.5	2505.3	1322.0	470.5	392.3	387.3	393.6	403.7	417.6	421.3
35°	4439.2	3750.4	2337.5	946.1	388.5	358.3	353.2	353.2	358.3	360.8	362.0
37.5°	4604.4	3851.3	2179.9	629.5	348.2	331.8	324.2	320.4	319.2	321.7	322.9
40°	4676.4	3893.0	2008.3	457.9	319.2	307.8	296.5	285.1	285.1	293.9	295.2
42.5°	4625.9	3846.3	1810.2	378.4	299.0	282.6	264.9	254.8	259.9	268.7	271.2
45°	4518.7	3731.5	1592.0	334.3	278.8	257.3	237.2	230.9	235.9	247.3	249.8
47.5°	4501.0	3655.8	1330.9	305.3	257.3	235.9	214.5	208.1	214.5	223.3	225.8
50°	4676.4	3721.4	1040.7	280.1	237.2	213.2	195.5	189.2	193.0	198.1	200.6
52.5°	4996.8	3964.9	840.2	256.1	213.2	190.5	179.1	171.6	171.6	176.6	177.9
55°	5469.8	4390.0	725.4	228.3	185.4	172.8	162.7	155.2	155.2	157.7	158.9
57.5°	6014.8	4904.7	751.8	191.7	162.7	156.4	147.6	141.3	143.8	143.8	143.8
60°	5939.1	4866.8	804.8	161.5	143.8	141.3	133.7	131.2	137.5	132.5	129.9
62.5°	4374.9	3361.9	421.3	132.5	123.6	121.1	116.1	121.1	129.9	116.1	111.0
65°	2124.4	1627.3	169.0	108.5	104.7	102.2	99.7	107.2	112.3	90.8	85.8
67.5°	499.6	406.2	109.7	92.1	87.0	82.0	84.5	85.8	82.0	61.8	59.3
70°	129.9	127.4	85.8	77.0	69.4	64.3	64.3	63.1	54.2	39.1	36.6
72.5°	70.6	69.4	61.8	58.0	47.9	42.9	44.2	39.1	30.3	22.7	21.4
75°	35.3	37.8	35.3	32.8	26.5	24.0	24.0	21.4	15.1	8.8	8.8
77.5°	7.6	8.8	8.8	7.6	6.3	5.0	5.0	6.3	2.5	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)