

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: P636379

Luminaire Tested: GWS-SA3F-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636379  
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-SA3F-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

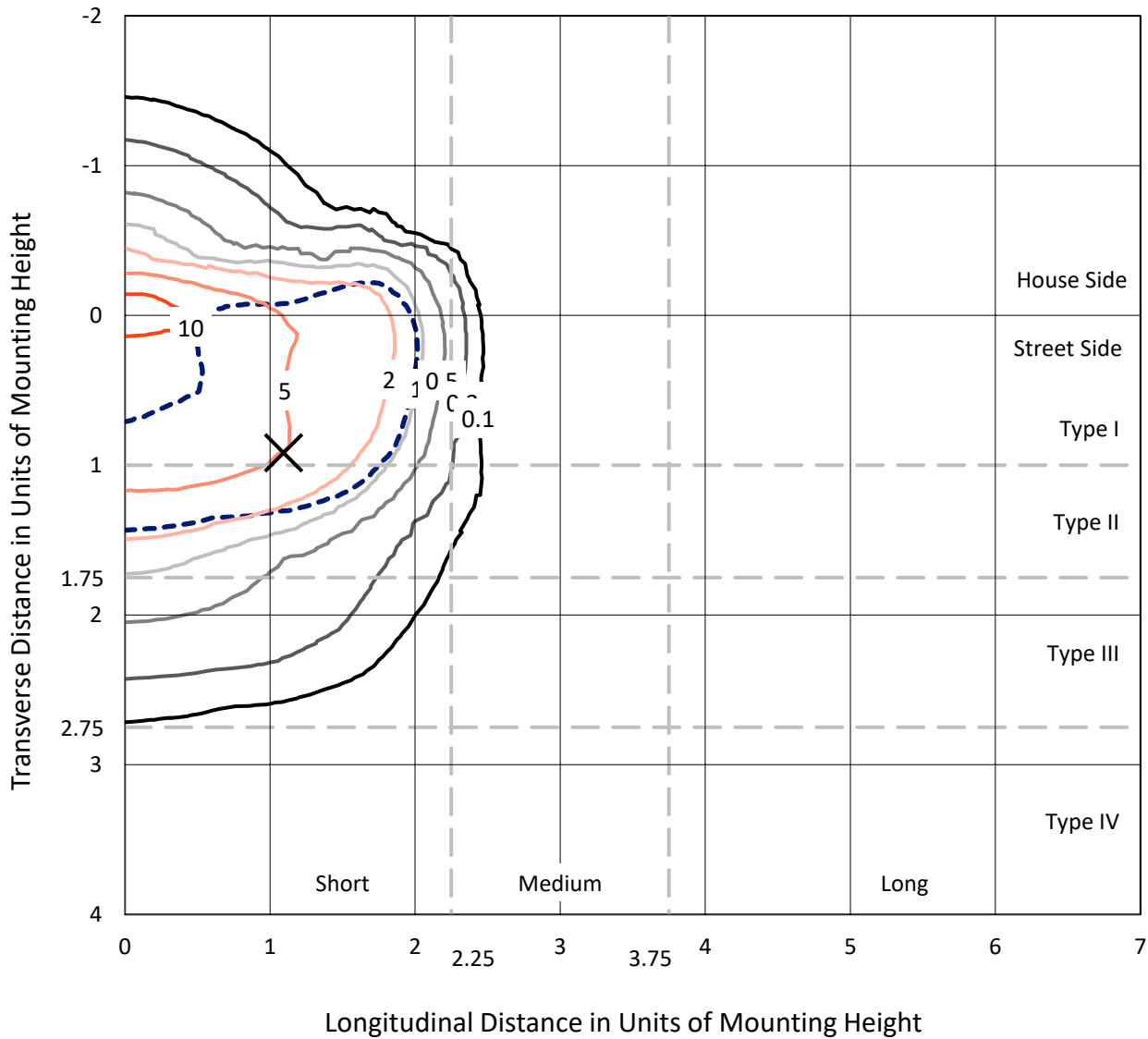
Lumens per Lamp: N/A  
Luminaire Lumens: 14484.9 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

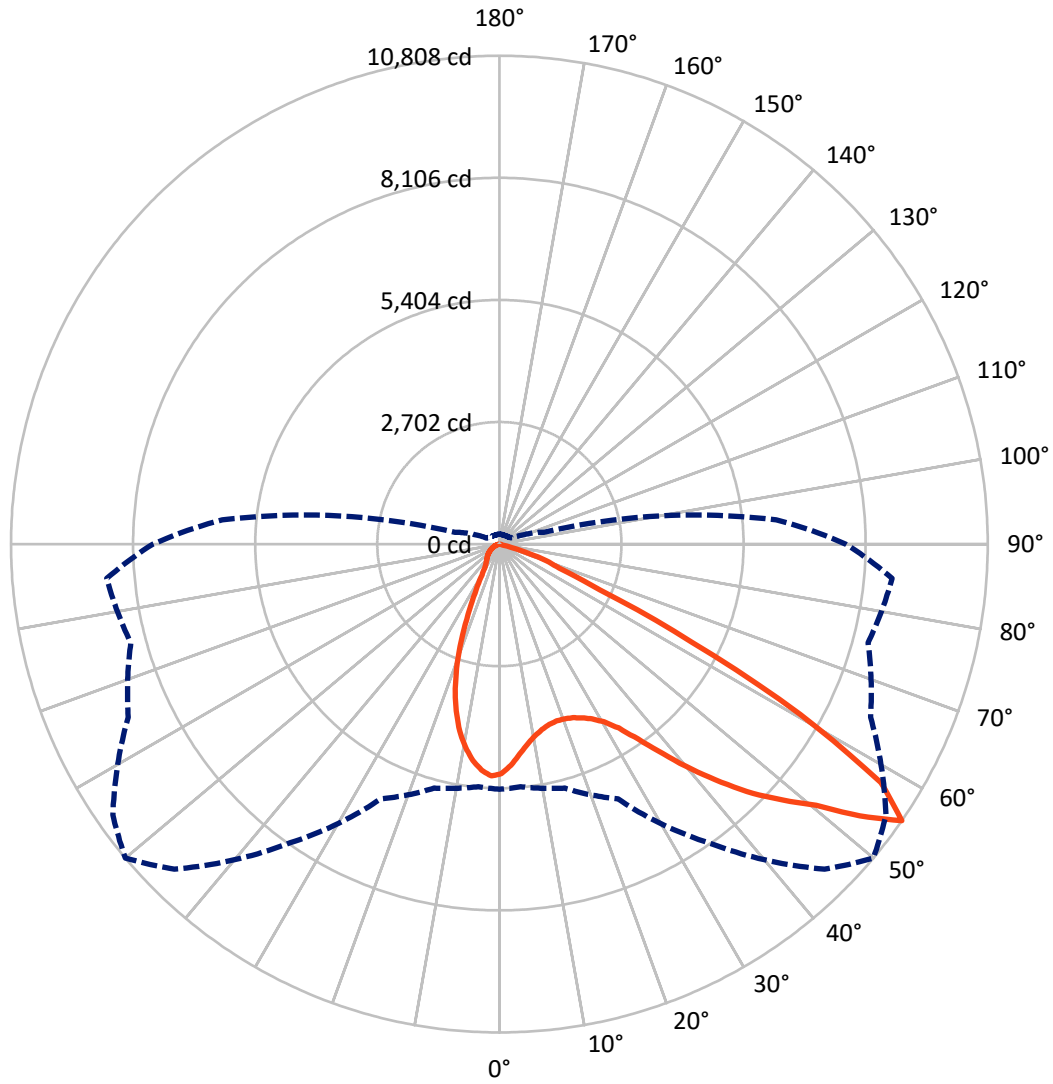
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.7 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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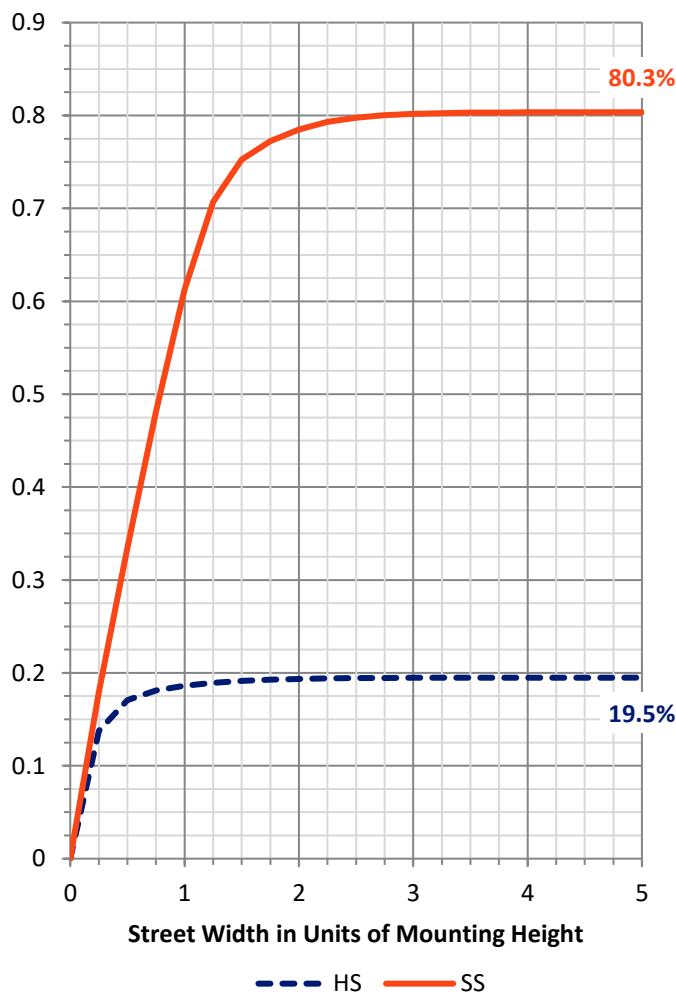
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2854.2	0.0	2854.2
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	11630.7	0.0	11630.7
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	14484.9	0.0	14484.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	446.3	3.1
10°-20°	1098.3	7.6
20°-30°	1549.2	10.7
30°-40°	2292.5	15.8
40°-50°	3307.3	22.8
50°-60°	3901.3	26.9
60°-70°	1740.3	12.0
70°-80°	149.6	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°	14484.9	100.0
0°-180°	14484.9	100.0

**Coefficient of Utilization**



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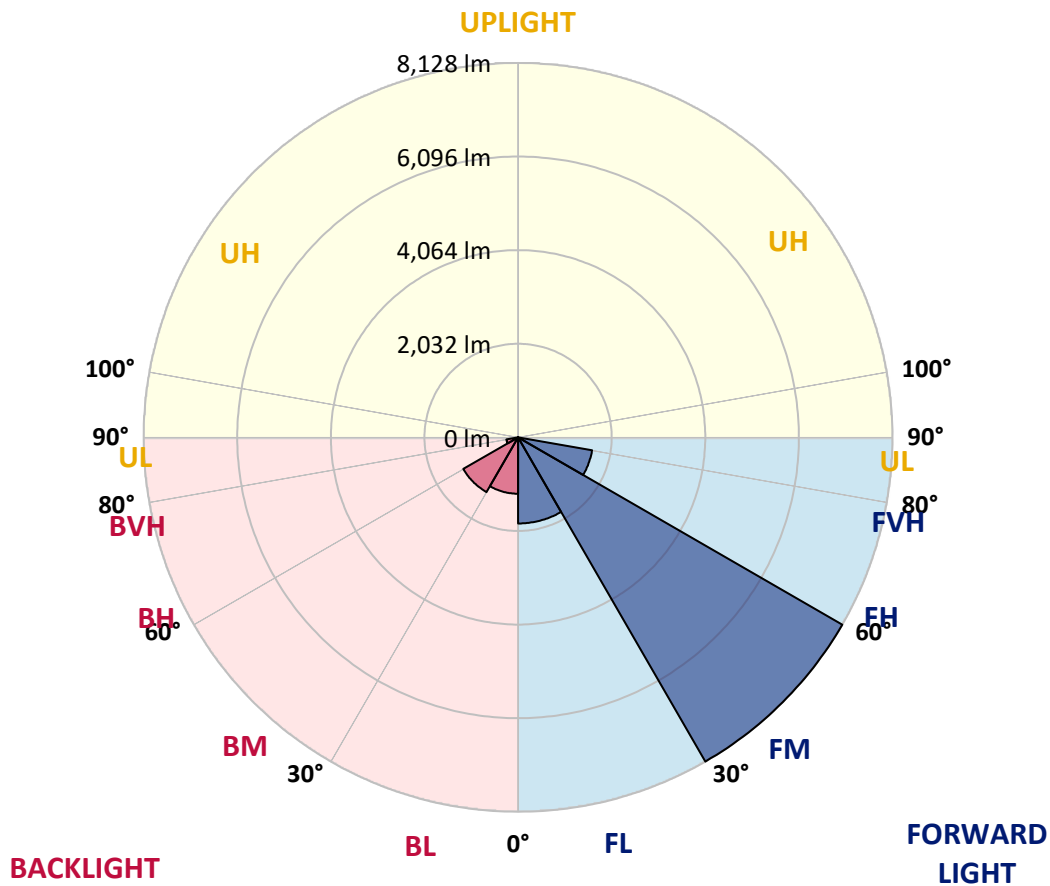
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1870.0	12.9			
FM (30°-60°)	8128.5	56.1			
FH (60°-80°)	1632.2	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1223.8	8.4	B3/2500		
BM (30°-60°)	1372.7	9.5	B2/2500		
BH (60°-80°)	257.7	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	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°	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1
2.5°	4721.4	4724.9	4726.7	4774.4	4792.1	4862.8	4900.0	4919.4	4970.7	5030.8	5080.3
5°	4404.8	4399.5	4408.4	4468.5	4507.4	4611.7	4668.3	4707.2	4820.4	4961.9	5080.3
7.5°	4129.0	4139.6	4150.2	4215.6	4274.0	4387.2	4468.5	4526.9	4684.2	4894.7	5094.5
10°	3934.5	3934.5	3950.4	4024.7	4093.6	4233.3	4314.7	4388.9	4576.4	4834.5	5110.4
12.5°	3791.2	3793.0	3812.5	3897.3	3976.9	4121.9	4206.8	4279.3	4486.2	4774.4	5113.9
15°	3724.1	3718.7	3734.7	3824.8	3913.3	4049.4	4137.8	4208.6	4422.5	4740.8	5131.6
17.5°	3706.4	3702.8	3715.2	3803.6	3893.8	4026.4	4113.1	4183.8	4413.7	4751.4	5184.7
20°	3757.6	3750.6	3745.3	3821.3	3906.2	4037.0	4127.2	4206.8	4456.1	4809.8	5266.0
22.5°	3879.7	3879.7	3867.3	3904.4	3961.0	4079.5	4173.2	4277.5	4567.5	4926.5	5386.3
25°	4104.2	4086.6	4063.6	4079.5	4072.4	4146.7	4258.1	4403.1	4778.0	5119.2	5533.0
27.5°	4360.6	4376.6	4337.7	4339.4	4277.5	4251.0	4380.1	4599.4	5090.9	5391.6	5750.5
30°	4709.0	4696.6	4698.4	4693.1	4549.8	4424.3	4564.0	4855.8	5485.3	5807.1	6033.5
32.5°	4981.3	4999.0	5057.4	5090.9	4903.5	4701.9	4850.5	5204.1	5934.4	6281.0	6380.0
35°	5269.5	5301.4	5419.9	5529.5	5372.1	5140.5	5299.6	5665.6	6357.1	6749.6	6777.9
37.5°	5573.7	5637.4	5778.8	5971.6	5946.8	5741.7	5886.7	6208.5	6689.5	7032.5	7106.8
40°	5922.1	5983.9	6215.6	6493.2	6551.6	6505.6	6553.3	6740.8	6908.8	7044.9	7248.3
42.5°	6304.0	6388.9	6682.4	7053.8	7273.0	7313.7	7202.3	7182.9	7004.3	6903.5	7218.2
45°	6754.9	6853.9	7186.4	7667.4	8015.7	8070.5	7877.8	7628.5	7064.4	6799.1	7128.0
47.5°	7260.7	7354.4	7685.1	8263.3	8781.4	8802.6	8466.6	8065.2	7243.0	6919.4	7197.0
50°	7430.4	7488.8	7775.2	8454.3	9409.2	9571.8	9085.6	8556.8	7601.9	7273.0	7533.0
52.5°	6846.9	6869.9	7119.2	7805.3	9281.8	10326.9	9989.2	9290.7	8240.3	7812.4	8051.1
55°	5425.2	5388.0	5589.6	6219.1	8067.0	10173.1	10807.9	10443.6	9062.6	8445.4	8724.8
57.5°	3794.8	3750.6	3704.6	4130.8	6019.3	8624.0	9959.1	10604.5	9845.9	9073.2	9451.6
60°	3119.3	3076.9	2854.0	2657.8	3639.2	6192.6	7649.7	8864.5	9782.3	9041.3	9428.6
62.5°	2694.9	2670.1	2580.0	2312.9	2141.4	3534.8	4790.3	5953.9	7506.5	7099.7	7121.0
65°	2116.7	2109.6	2171.5	2199.8	1893.9	1955.7	2443.8	3094.5	4058.3	3826.6	3628.6
67.5°	1446.5	1430.6	1547.3	1902.7	1821.4	1543.7	1430.6	1442.9	1755.9	1073.4	852.3
70°	919.5	882.4	884.2	1179.5	1481.8	1218.4	1103.4	970.8	873.5	159.1	180.4
72.5°	588.8	565.9	486.3	532.3	686.1	594.2	599.5	516.3	344.8	84.9	99.0
75°	247.6	228.1	175.1	139.7	137.9	86.6	76.0	70.7	47.7	47.7	51.3
77.5°	1.8	0.0	0.0	1.8	3.5	1.8	1.8	3.5	7.1	10.6	12.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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°	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1	5082.1
2.5°	5110.4	5068.0	5115.7	5133.4	5131.6	5133.4	5082.1	5046.7	5045.0	5000.8	4979.5
5°	5129.9	5096.3	5131.6	5108.6	5053.8	4984.9	4892.9	4813.3	4778.0	4726.7	4701.9
7.5°	5167.0	5131.6	5126.3	5034.4	4898.2	4753.2	4590.5	4445.5	4367.7	4274.0	4279.3
10°	5193.5	5152.8	5083.9	4896.4	4670.1	4438.4	4196.2	3980.5	3844.3	3718.7	3697.5
12.5°	5204.1	5144.0	4983.1	4700.2	4381.9	4079.5	3724.1	3416.4	3204.2	3039.7	3016.7
15°	5223.6	5126.3	4854.0	4463.2	4026.4	3598.5	3145.8	2725.0	2443.8	2254.6	2270.5
17.5°	5253.6	5106.9	4709.0	4198.0	3644.5	3039.7	2427.9	1945.1	1687.0	1577.3	1579.1
20°	5296.1	5083.9	4549.8	3906.2	3186.5	2408.4	1697.6	1333.3	1260.8	1257.3	1252.0
22.5°	5352.7	5060.9	4380.1	3586.1	2643.6	1687.0	1129.9	1016.8	1046.8	1105.2	1115.8
25°	5419.9	5032.6	4190.9	3225.4	2051.2	1107.0	847.0	829.3	901.8	979.6	997.3
27.5°	5524.2	5018.4	3975.1	2815.1	1439.4	794.0	693.2	703.8	769.2	834.6	850.6
30°	5701.0	5045.0	3740.0	2355.4	924.8	633.1	601.2	617.1	652.5	686.1	700.2
32.5°	5941.5	5122.8	3511.9	1853.2	659.6	549.9	542.9	551.7	565.9	585.3	590.6
35°	6222.7	5257.2	3276.7	1326.2	544.6	502.2	495.1	495.1	502.2	505.7	507.5
37.5°	6454.3	5398.6	3055.6	882.4	488.1	465.1	454.5	449.1	447.4	450.9	452.7
40°	6555.1	5457.0	2815.1	641.9	447.4	431.5	415.6	399.6	399.6	412.0	413.8
42.5°	6484.4	5391.6	2537.5	530.5	419.1	396.1	371.3	357.2	364.3	376.6	380.2
45°	6334.1	5230.6	2231.6	468.6	390.8	360.7	332.4	323.6	330.7	346.6	350.1
47.5°	6309.3	5124.5	1865.6	427.9	360.7	330.7	300.6	291.8	300.6	313.0	316.5
50°	6555.1	5216.5	1458.9	392.6	332.4	298.8	274.1	265.2	270.6	277.6	281.2
52.5°	7004.3	5557.8	1177.7	359.0	298.8	267.0	251.1	240.5	240.5	247.6	249.3
55°	7667.4	6153.7	1016.8	320.1	259.9	242.3	228.1	217.5	217.5	221.0	222.8
57.5°	8431.3	6875.2	1053.9	268.8	228.1	219.3	206.9	198.1	201.6	201.6	201.6
60°	8325.2	6822.1	1128.2	226.3	201.6	198.1	187.4	183.9	192.7	185.7	182.1
62.5°	6132.5	4712.5	590.6	185.7	173.3	169.8	162.7	169.8	182.1	162.7	155.6
65°	2977.8	2281.1	237.0	152.1	146.8	143.2	139.7	150.3	157.4	127.3	120.2
67.5°	700.2	569.4	153.8	129.1	122.0	114.9	118.5	120.2	114.9	86.6	83.1
70°	182.1	178.6	120.2	107.9	97.3	90.2	90.2	88.4	76.0	54.8	51.3
72.5°	99.0	97.3	86.6	81.3	67.2	60.1	61.9	54.8	42.4	31.8	30.1
75°	49.5	53.0	49.5	46.0	37.1	33.6	33.6	30.1	21.2	12.4	12.4
77.5°	10.6	12.4	12.4	10.6	8.8	7.1	7.1	8.8	3.5	0.0	0.0
80°	1.8	1.8	1.8	1.8	1.8	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)