

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: P636328

Luminaire Tested: GWS-SA3F-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-750-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

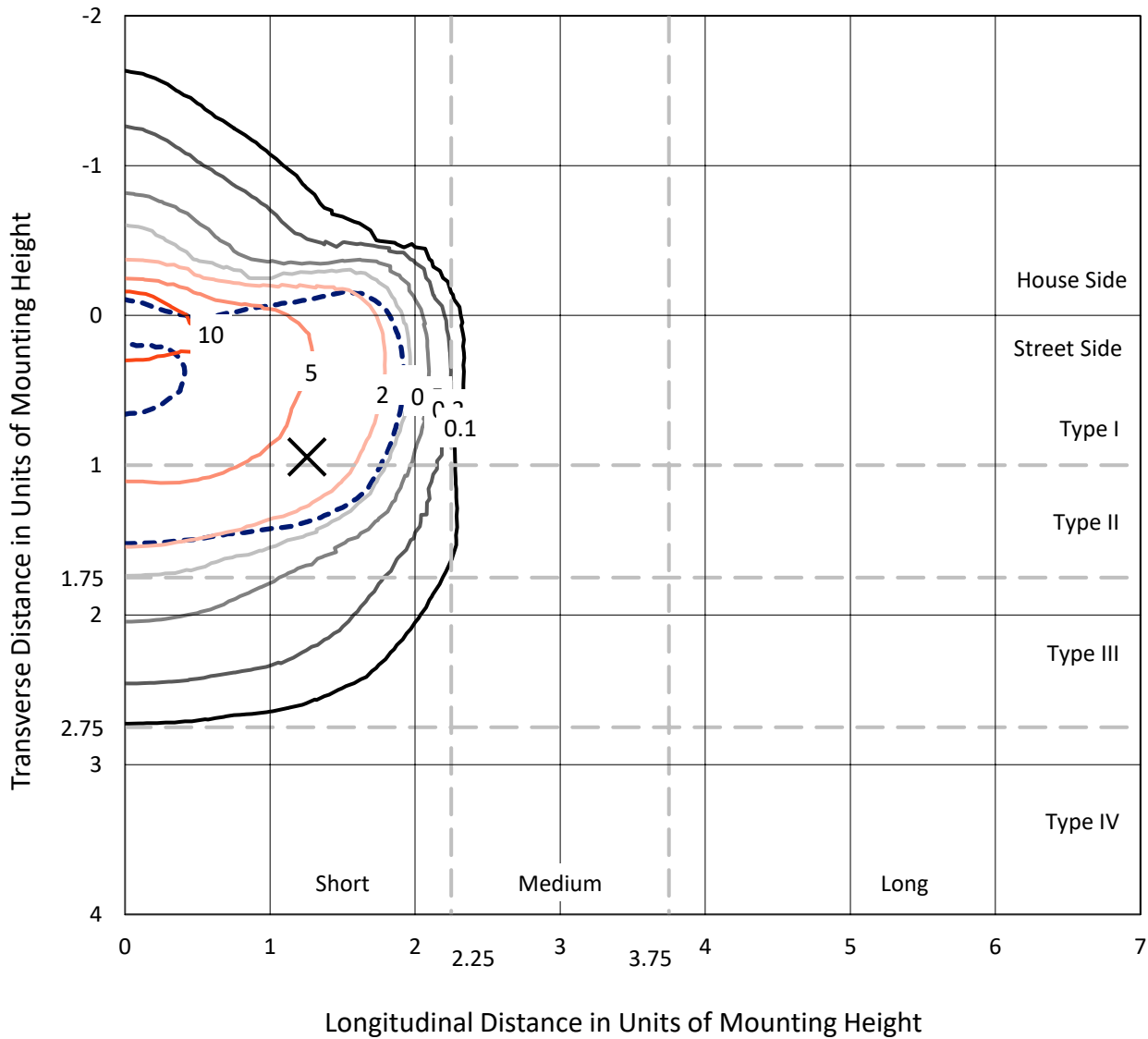
Lumens per Lamp: N/A  
Luminaire Lumens: 14628.8 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

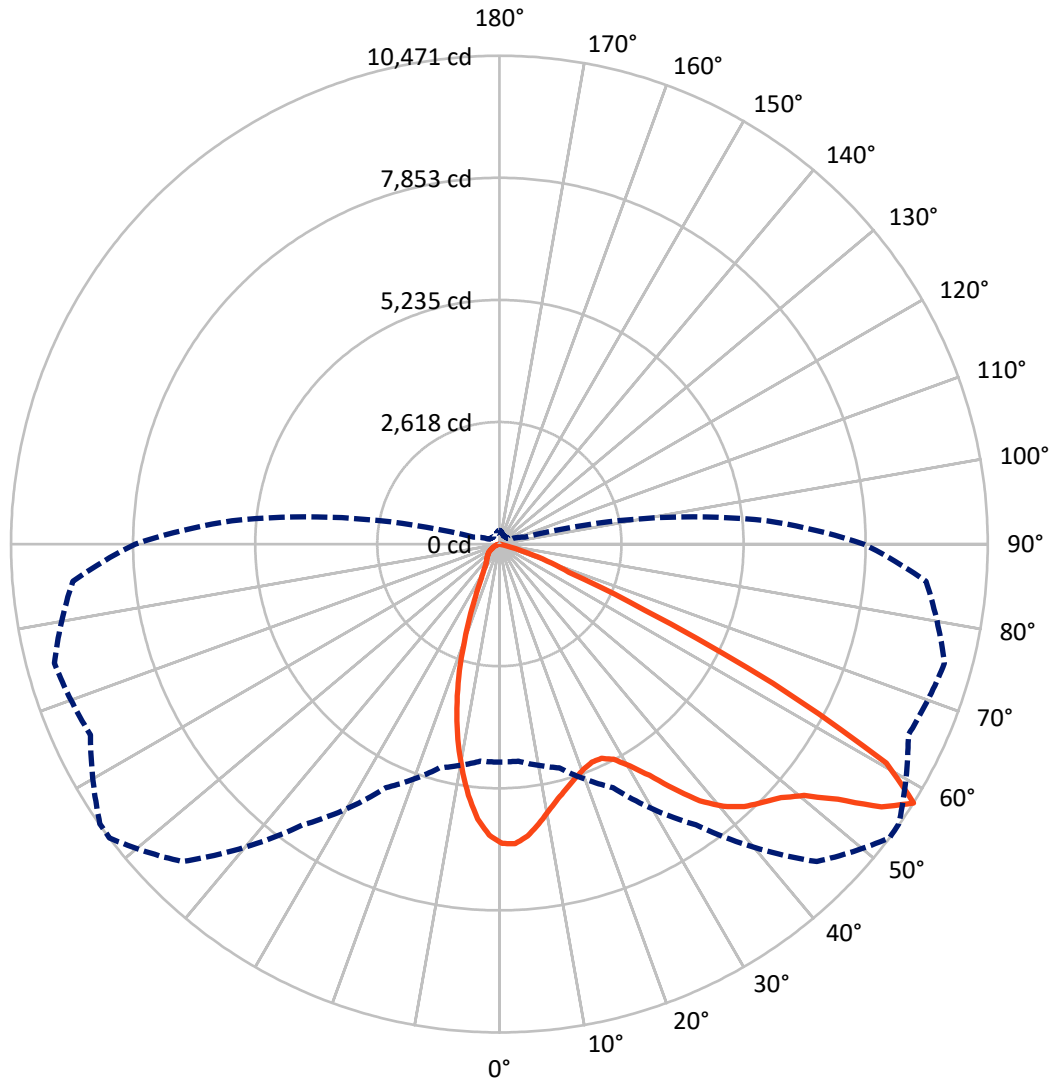
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 16 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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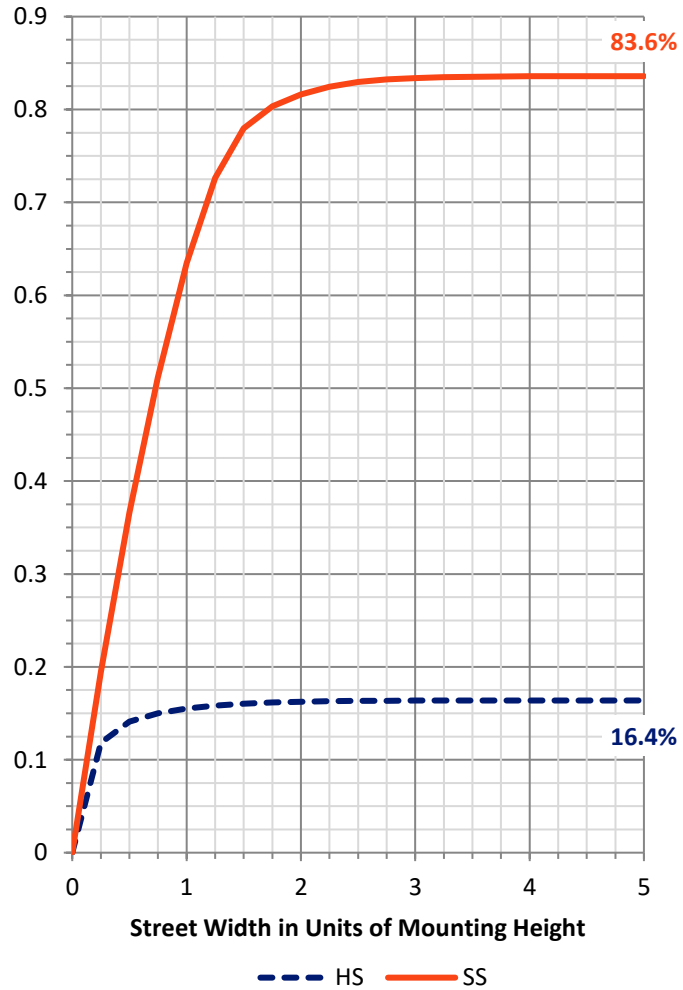
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2416.5	0.0	2416.5
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	12212.3	0.0	12212.3
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	14628.8	0.0	14628.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	549.0	3.8
10°-20°	1205.3	8.2
20°-30°	1570.2	10.7
30°-40°	2277.6	15.6
40°-50°	3286.4	22.5
50°-60°	3974.7	27.2
60°-70°	1619.9	11.1
70°-80°	145.6	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°	14628.8	100.0
0°-180°	14628.8	100.0

**Coefficient of Utilization**



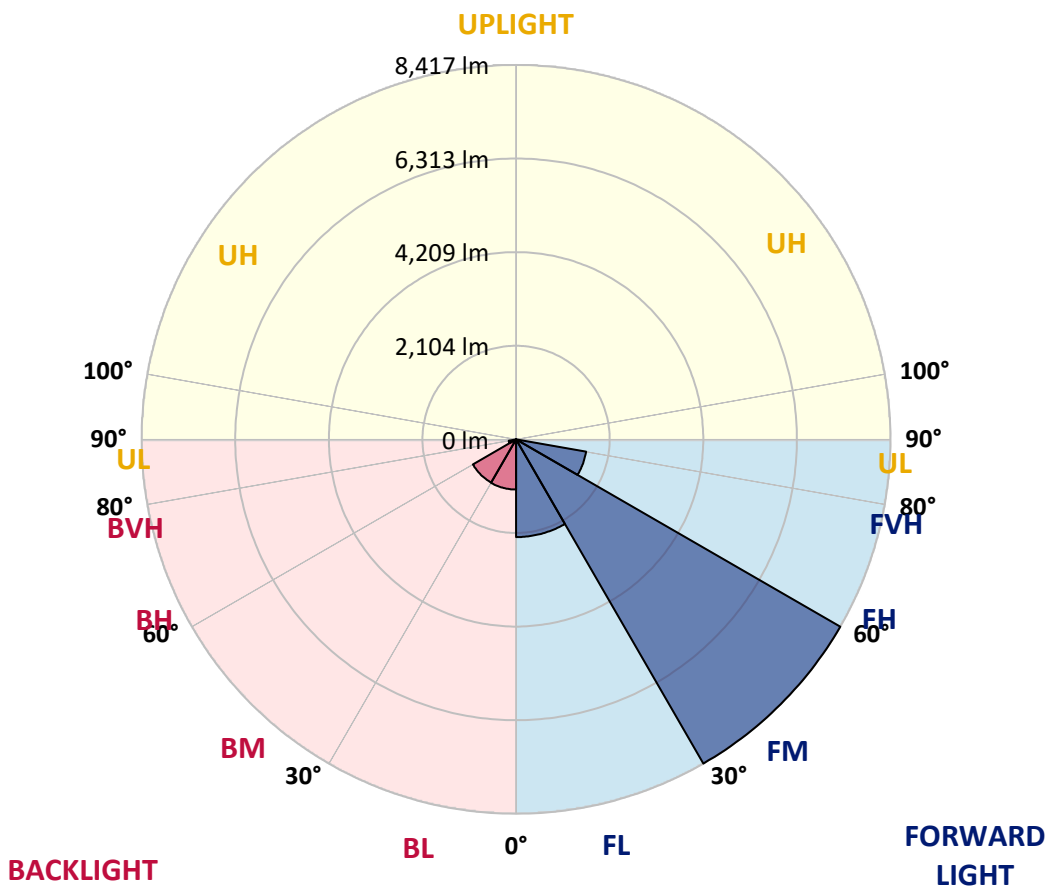
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2196.8	15.0			
FM (30°-60°)	8417.1	57.5			
FH (60°-80°)	1598.4	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1127.8	7.7	B3/2500		
BM (30°-60°)	1121.6	7.7	B2/2500		
BH (60°-80°)	167.0	1.1	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°	53°	55°	65°	75°	85°
0°	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0
2.5°	6327.4	6341.7	6366.8	6399.1	6420.6	6431.4	6431.4	6461.8	6442.1	6426.0	6408.1
5°	6056.6	6071.0	6105.0	6157.0	6209.0	6246.7	6289.7	6322.0	6334.5	6334.5	6304.1
7.5°	5674.7	5694.5	5716.0	5787.7	5900.7	5984.9	6058.4	6105.0	6173.2	6194.7	6151.7
10°	5264.1	5283.9	5332.3	5430.9	5560.0	5685.5	5811.0	5870.2	5986.7	6047.7	5999.3
12.5°	4916.3	4925.3	4989.8	5108.2	5273.1	5445.2	5597.6	5658.6	5823.6	5915.0	5857.6
15°	4629.4	4634.8	4699.4	4830.3	5020.3	5231.9	5423.7	5486.5	5689.1	5827.1	5741.1
17.5°	4412.5	4414.3	4469.9	4611.5	4810.5	5045.4	5273.1	5350.2	5612.0	5778.7	5649.6
20°	4303.1	4297.7	4337.2	4460.9	4649.2	4884.0	5153.0	5248.0	5569.0	5771.6	5579.7
22.5°	4304.9	4292.4	4308.5	4396.4	4555.9	4776.5	5077.7	5185.3	5572.5	5802.0	5520.5
25°	4407.1	4389.2	4392.8	4439.4	4552.3	4753.2	5088.4	5203.2	5644.3	5904.2	5499.0
27.5°	4579.2	4559.5	4559.5	4582.8	4643.8	4826.7	5222.9	5353.8	5836.1	6103.3	5543.9
30°	4801.6	4781.8	4774.7	4798.0	4848.2	5016.7	5522.3	5658.6	6164.2	6429.6	5687.3
32.5°	5056.2	5032.9	5045.4	5077.7	5126.1	5359.2	5907.8	6088.9	6574.8	6868.9	5945.5
35°	5325.1	5305.4	5362.8	5432.7	5508.0	5834.3	6440.3	6598.1	7078.6	7415.7	6339.9
37.5°	5581.5	5572.5	5692.7	5839.7	5995.7	6404.5	6981.8	7103.7	7510.7	8011.0	6822.2
40°	5837.9	5836.1	6042.3	6300.5	6549.7	6972.8	7392.4	7492.8	7774.3	8473.6	7284.8
42.5°	6124.8	6124.8	6409.9	6754.1	7085.8	7453.4	7693.6	7738.4	7892.6	8740.7	7632.7
45°	6399.1	6415.2	6745.1	7145.0	7537.6	7828.1	7901.6	7905.2	7941.0	8898.5	7921.3
47.5°	6616.0	6630.4	7024.8	7485.6	7908.8	8113.2	8123.9	8107.8	8068.3	9049.1	8143.7
50°	6791.8	6813.3	7225.7	7713.3	8163.4	8387.5	8470.0	8453.8	8353.4	9210.5	8299.6
52.5°	6877.8	6908.3	7295.6	7826.3	8446.7	8857.3	9086.8	9124.4	8780.2	9300.1	8448.5
55°	6189.3	6234.1	6590.9	7317.1	8604.4	9583.4	9943.8	9936.6	9242.7	9567.3	8810.6
57.5°	4674.3	4670.7	4966.5	5760.8	7349.4	9624.6	10470.9	10456.6	9674.8	9877.5	9181.8
60°	3182.5	3161.0	3239.9	3623.6	5138.6	7840.6	9529.6	9723.3	9368.2	9124.4	7795.8
62.5°	2619.5	2599.8	2574.7	2468.9	2951.2	4884.0	6583.8	6877.8	6831.2	6341.7	4889.4
65°	2144.4	2160.5	2230.4	2185.6	2052.9	2504.8	3417.4	3591.3	3282.9	2763.0	1708.7
67.5°	1581.4	1588.6	1680.0	1916.7	1845.0	1667.5	1608.3	1637.0	959.2	441.1	285.1
70°	934.1	939.5	1023.8	1341.1	1497.1	1280.2	1086.5	1070.4	380.1	118.3	129.1
72.5°	528.9	518.2	534.3	638.3	815.8	679.5	559.4	509.2	114.7	66.3	66.3
75°	251.0	243.8	209.8	197.2	179.3	114.7	71.7	61.0	28.7	26.9	26.9
77.5°	1.8	5.4	3.6	5.4	5.4	3.6	1.8	1.8	5.4	5.4	7.2
80°	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0	6417.0
2.5°	6375.8	6322.0	6309.4	6305.9	6255.7	6201.9	6146.3	6124.8	6092.5	6072.8	6088.9
5°	6255.7	6178.6	6110.4	6047.7	5936.5	5814.6	5708.8	5640.7	5576.1	5533.1	5543.9
7.5°	6085.3	5984.9	5828.9	5669.4	5465.0	5282.1	5077.7	4952.2	4835.6	4771.1	4801.6
10°	5904.2	5771.6	5522.3	5251.6	4930.7	4643.8	4351.5	4113.1	3975.0	3844.1	3858.5
12.5°	5726.7	5551.0	5178.1	4767.5	4362.3	3939.1	3498.1	3168.2	2942.3	2779.1	2754.0
15°	5561.8	5335.9	4842.8	4301.3	3749.1	3186.1	2623.1	2151.6	1889.8	1728.4	1717.7
17.5°	5414.8	5135.1	4495.0	3813.6	3121.6	2400.8	1753.5	1400.3	1249.7	1179.8	1172.6
20°	5273.1	4932.4	4140.0	3318.8	2436.6	1685.4	1210.3	1047.1	998.7	970.0	973.6
22.5°	5136.8	4711.9	3767.0	2770.1	1827.0	1183.4	937.7	875.0	869.6	873.2	875.0
25°	5022.1	4509.3	3383.3	2241.2	1303.5	901.9	783.5	765.6	781.7	805.0	808.6
27.5°	4962.9	4344.4	3008.6	1708.7	943.1	733.3	679.5	686.7	715.4	740.5	744.1
30°	4979.1	4220.6	2621.3	1238.9	726.2	618.6	600.6	615.0	643.7	667.0	670.6
32.5°	5093.8	4157.9	2225.1	901.9	597.1	539.7	532.5	543.3	568.4	586.3	588.1
35°	5321.5	4172.2	1848.5	690.3	512.8	480.5	478.7	485.9	498.4	511.0	512.8
37.5°	5656.8	4288.8	1477.4	573.7	464.4	441.1	433.9	433.9	442.9	448.2	451.8
40°	6017.2	4464.5	1183.4	507.4	430.3	405.2	390.9	385.5	392.7	399.8	401.6
42.5°	6314.8	4640.2	961.0	460.8	403.4	369.4	351.4	347.8	356.8	369.4	372.9
45°	6542.5	4776.5	801.5	423.1	372.9	335.3	315.6	315.6	331.7	353.2	356.8
47.5°	6750.5	4885.8	683.1	389.1	344.2	304.8	285.1	288.7	315.6	344.2	349.6
50°	6892.2	4973.7	595.3	358.6	320.9	279.7	261.8	268.9	301.2	335.3	340.7
52.5°	7044.6	5081.3	537.9	331.7	299.4	260.0	243.8	249.2	285.1	322.7	329.9
55°	7465.9	5441.7	536.1	295.8	261.8	233.1	225.9	227.7	263.6	306.6	315.6
57.5°	7810.2	5759.0	572.0	249.2	218.7	204.4	200.8	202.6	234.9	283.3	294.0
60°	6461.8	4475.2	473.3	206.2	182.9	179.3	173.9	177.5	208.0	251.0	260.0
62.5°	3824.4	2558.6	225.9	157.8	156.0	152.4	147.0	154.2	182.9	220.5	225.9
65°	1307.1	758.4	143.4	129.1	132.7	127.3	121.9	129.1	154.2	175.7	177.5
67.5°	251.0	200.8	114.7	107.6	109.4	98.6	96.8	104.0	118.3	121.9	120.1
70°	130.9	116.5	87.9	87.9	84.3	69.9	69.9	77.1	77.1	71.7	69.9
72.5°	68.1	64.5	57.4	64.5	53.8	43.0	43.0	46.6	43.0	35.9	35.9
75°	26.9	26.9	25.1	32.3	23.3	19.7	17.9	21.5	16.1	12.6	12.6
77.5°	7.2	7.2	7.2	9.0	5.4	5.4	3.6	3.6	1.8	0.0	0.0
80°	0.0	1.8	0.0	1.8	0.0	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)