

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: P642209

Luminaire Tested: GWS-SA6C-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642209  
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-SA6C-740-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

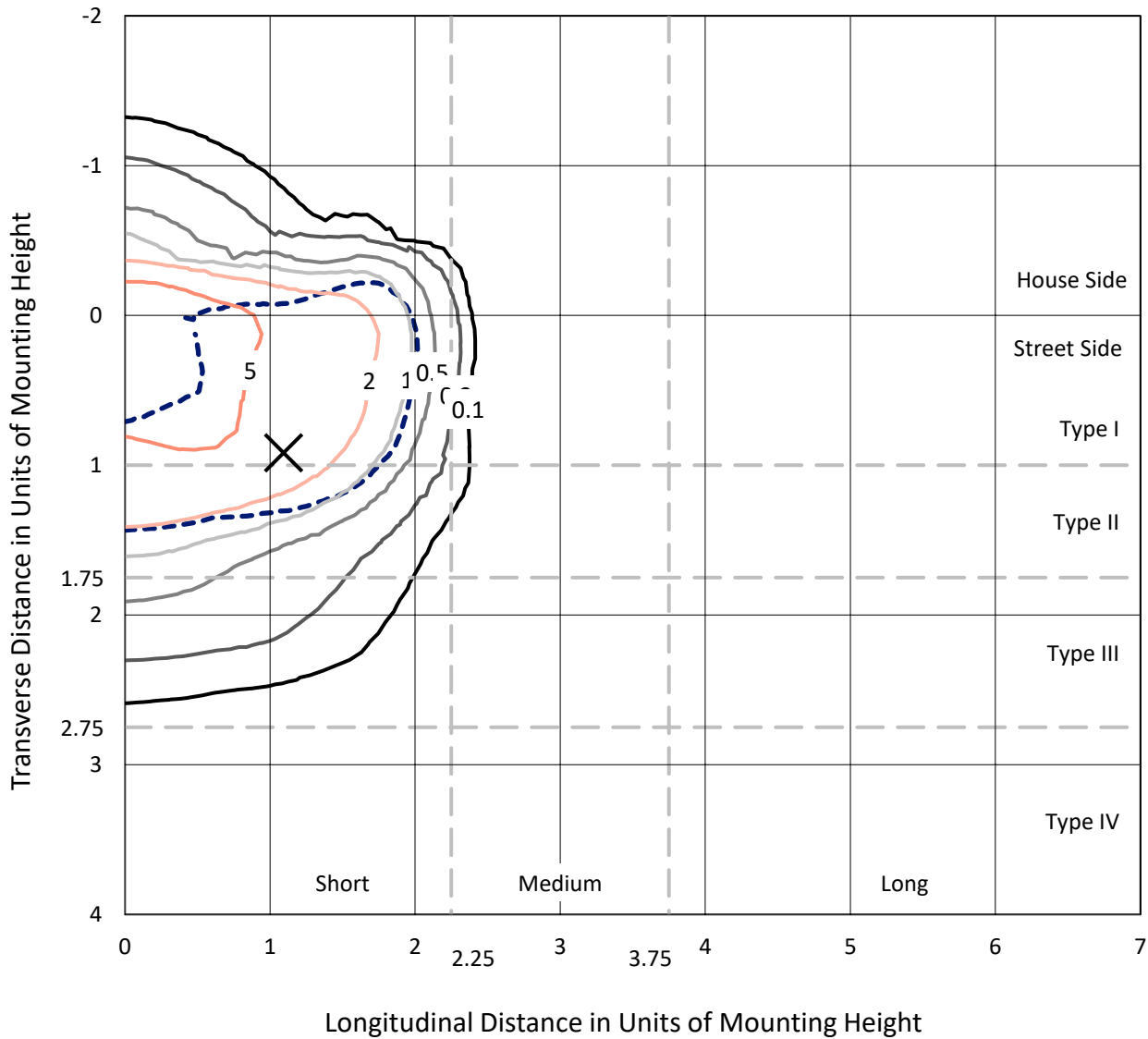
Lumens per Lamp: N/A  
Luminaire Lumens: 16673.1 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

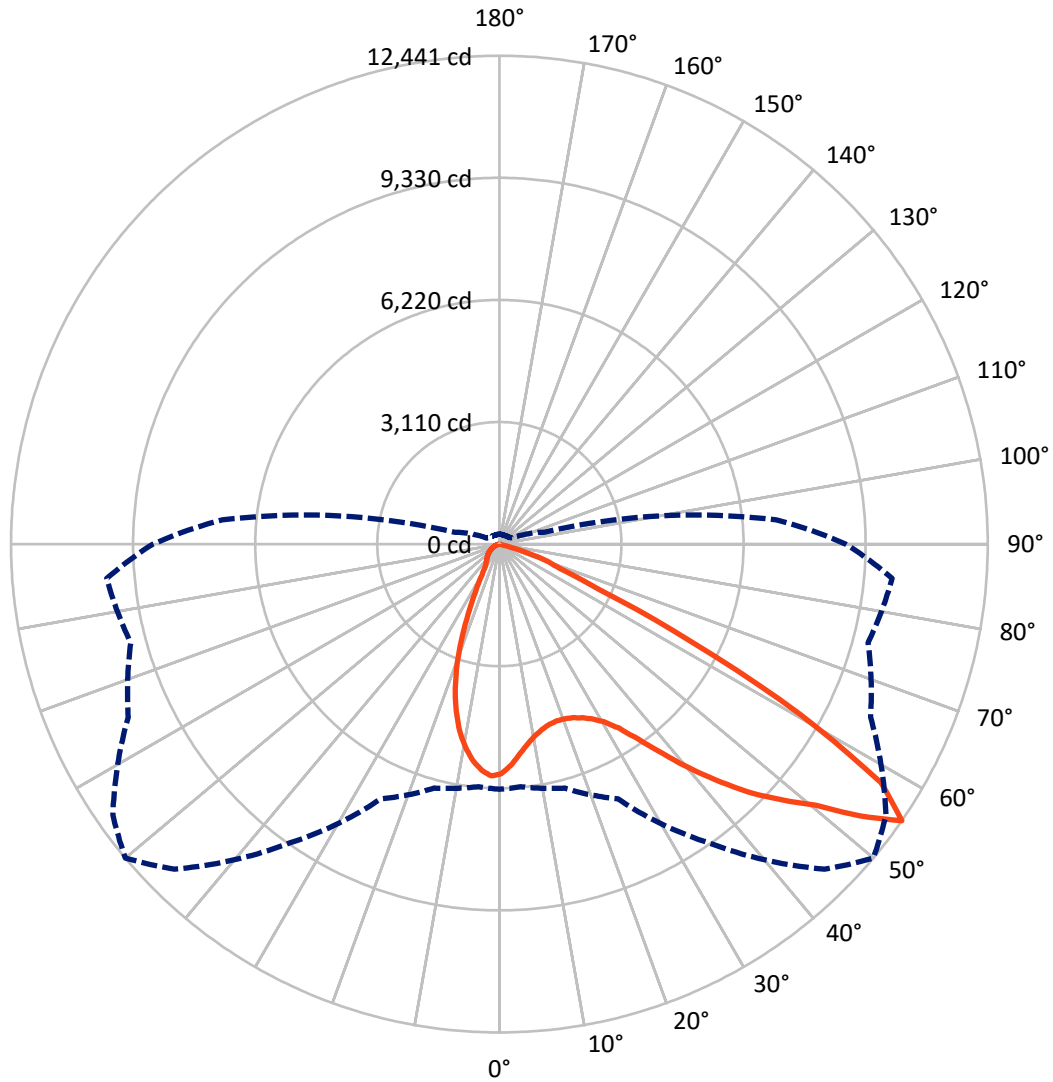
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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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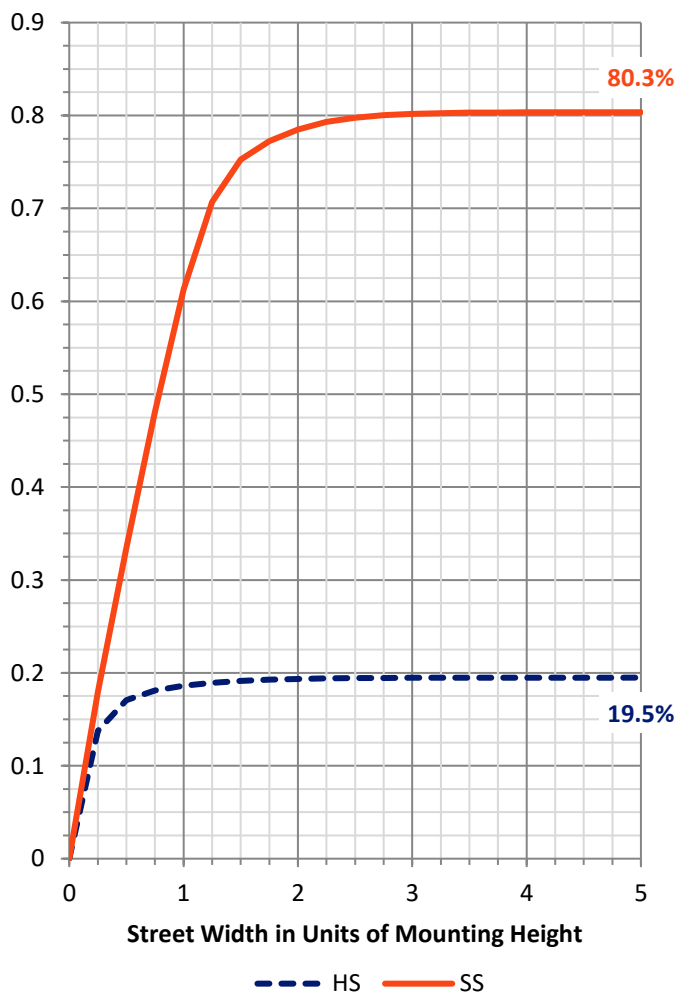
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3285.4	0.0	3285.4
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	13387.7	0.0	13387.7
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	16673.1	0.0	16673.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	513.7	3.1
10°-20°	1264.2	7.6
20°-30°	1783.2	10.7
30°-40°	2638.8	15.8
40°-50°	3807.0	22.8
50°-60°	4490.6	26.9
60°-70°	2003.2	12.0
70°-80°	172.2	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°	16673.1	100.0
0°-180°	16673.1	100.0

**Coefficient of Utilization**



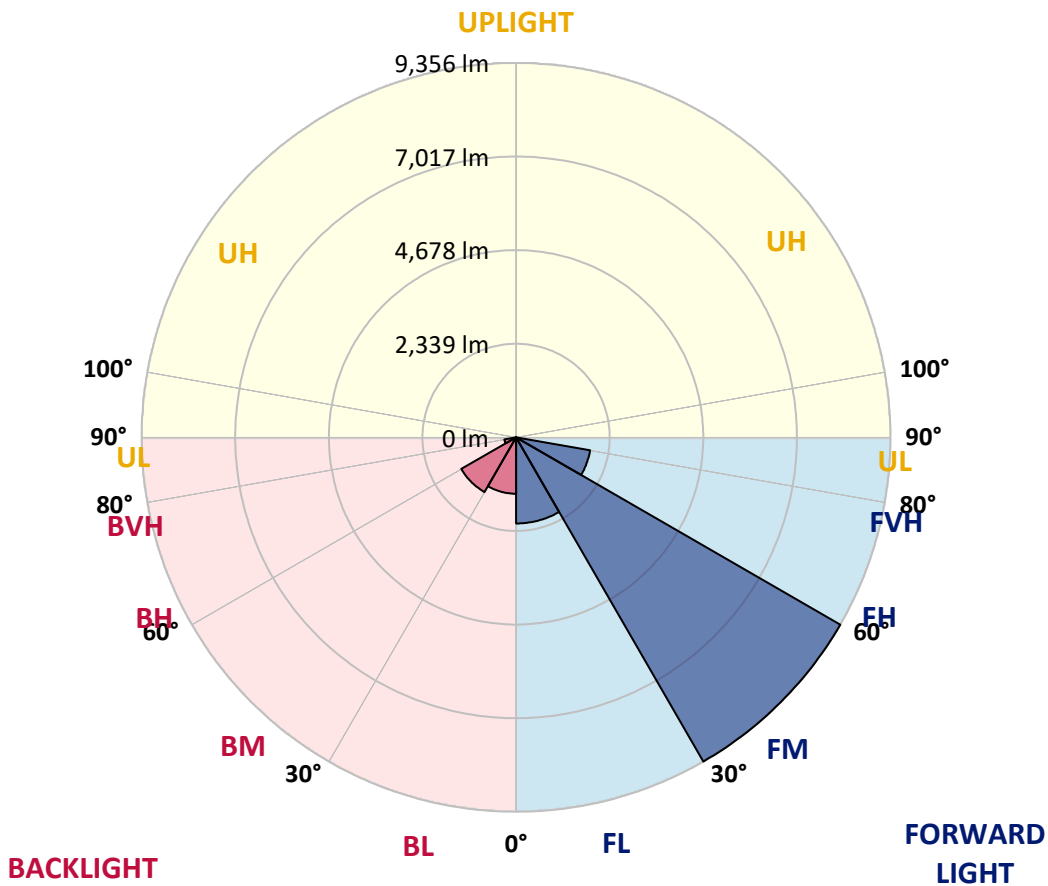
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2152.6	12.9			
FM (30°-60°)	9356.4	56.1			
FH (60°-80°)	1878.8	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1408.6	8.4	B3/2500		
BM (30°-60°)	1580.0	9.5	B2/2500		
BH (60°-80°)	296.6	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-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9
2.5°	5434.6	5438.7	5440.7	5495.7	5516.0	5597.5	5640.2	5662.6	5721.6	5790.8	5847.8
5°	5070.3	5064.2	5074.3	5143.6	5188.3	5308.4	5373.6	5418.3	5548.6	5711.4	5847.8
7.5°	4752.7	4765.0	4777.2	4852.5	4919.7	5049.9	5143.6	5210.7	5391.9	5634.1	5864.1
10°	4528.9	4528.9	4547.2	4632.7	4712.0	4872.8	4966.5	5052.0	5267.7	5564.9	5882.4
12.5°	4364.0	4366.0	4388.4	4486.1	4577.7	4744.6	4842.3	4925.8	5163.9	5495.7	5886.5
15°	4286.6	4280.5	4298.8	4402.7	4504.4	4661.2	4762.9	4844.3	5090.6	5457.0	5906.8
17.5°	4266.3	4262.2	4276.5	4378.2	4482.0	4634.7	4734.4	4815.8	5080.5	5469.2	5967.9
20°	4325.3	4317.2	4311.1	4398.6	4496.3	4646.9	4750.7	4842.3	5129.3	5536.4	6061.5
22.5°	4465.8	4465.8	4451.5	4494.2	4559.4	4695.8	4803.6	4923.7	5257.5	5670.7	6199.9
25°	4724.3	4703.9	4677.4	4695.8	4687.6	4773.1	4901.3	5068.2	5499.8	5892.6	6368.9
27.5°	5019.4	5037.7	4992.9	4995.0	4923.7	4893.2	5041.8	5294.2	5860.0	6206.1	6619.2
30°	5420.4	5406.1	5408.2	5402.1	5237.2	5092.7	5253.5	5589.3	6313.9	6684.4	6944.9
32.5°	5733.8	5754.2	5821.4	5860.0	5644.3	5412.2	5583.2	5990.3	6830.9	7229.9	7343.9
35°	6065.6	6102.2	6238.6	6364.8	6183.7	5917.0	6100.2	6521.5	7317.4	7769.3	7801.8
37.5°	6415.7	6489.0	6651.8	6873.7	6845.2	6609.1	6776.0	7146.4	7700.1	8094.9	8180.4
40°	6816.7	6887.9	7154.6	7474.1	7541.3	7488.4	7543.3	7759.1	7952.5	8109.2	8343.3
42.5°	7256.3	7354.0	7691.9	8119.4	8371.8	8418.6	8290.3	8268.0	8062.4	7946.4	8308.7
45°	7775.4	7889.4	8272.0	8825.7	9226.6	9289.7	9067.9	8780.9	8131.6	7826.3	8204.9
47.5°	8357.5	8465.4	8846.0	9511.6	10108.0	10132.4	9745.7	9283.6	8337.2	7964.7	8284.2
50°	8552.9	8620.1	8949.8	9731.4	10830.6	11017.8	10458.1	9849.5	8750.4	8371.8	8671.0
52.5°	7881.2	7907.7	8194.7	8984.4	10684.0	11887.0	11498.2	10694.2	9485.1	8992.6	9267.4
55°	6244.7	6202.0	6434.0	7158.6	9285.7	11709.9	12440.6	12021.3	10431.6	9721.3	10042.9
57.5°	4368.1	4317.2	4264.2	4754.8	6928.6	9926.8	11463.6	12206.5	11333.3	10443.8	10879.4
60°	3590.5	3541.7	3285.2	3059.3	4188.9	7128.1	8805.3	10203.7	11260.0	10407.2	10853.0
62.5°	3102.0	3073.5	2969.7	2662.4	2464.9	4068.8	5514.0	6853.3	8640.4	8172.3	8196.7
65°	2436.4	2428.3	2499.5	2532.1	2180.0	2251.2	2813.0	3562.0	4671.3	4404.7	4176.7
67.5°	1665.0	1646.7	1781.0	2190.1	2096.5	1776.9	1646.7	1660.9	2021.2	1235.5	981.1
70°	1058.4	1015.7	1017.7	1357.6	1705.7	1402.4	1270.1	1117.5	1005.5	183.2	207.6
72.5°	677.8	651.3	559.7	612.7	789.8	683.9	690.0	594.3	396.9	97.7	114.0
75°	285.0	262.6	201.5	160.8	158.8	99.7	87.5	81.4	55.0	55.0	59.0
77.5°	2.0	0.0	0.0	2.0	4.1	2.0	2.0	4.1	8.1	12.2	14.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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°	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9	5849.9
2.5°	5882.4	5833.6	5888.5	5908.9	5906.8	5908.9	5849.9	5809.1	5807.1	5756.2	5731.8
5°	5904.8	5866.1	5906.8	5880.4	5817.3	5737.9	5632.1	5540.5	5499.8	5440.7	5412.2
7.5°	5947.6	5906.8	5900.7	5794.9	5638.2	5471.3	5284.0	5117.1	5027.5	4919.7	4925.8
10°	5978.1	5931.3	5851.9	5636.1	5375.6	5109.0	4830.1	4581.8	4425.0	4280.5	4256.1
12.5°	5990.3	5921.1	5735.9	5410.2	5043.8	4695.8	4286.6	3932.5	3688.2	3498.9	3472.5
15°	6012.7	5900.7	5587.3	5137.4	4634.7	4142.1	3621.0	3136.6	2813.0	2595.2	2613.5
17.5°	6047.3	5878.3	5420.4	4832.1	4195.0	3498.9	2794.7	2239.0	1941.8	1815.6	1817.6
20°	6096.1	5851.9	5237.2	4496.3	3667.9	2772.3	1954.0	1534.7	1451.3	1447.2	1441.1
22.5°	6161.3	5825.4	5041.8	4127.9	3043.0	1941.8	1300.6	1170.4	1205.0	1272.1	1284.4
25°	6238.6	5792.9	4824.0	3712.6	2361.1	1274.2	975.0	954.6	1038.1	1127.6	1148.0
27.5°	6358.7	5776.6	4575.7	3240.4	1656.8	913.9	797.9	810.1	885.4	960.7	979.0
30°	6562.3	5807.1	4305.0	2711.2	1064.5	728.7	692.0	710.4	751.1	789.8	806.0
32.5°	6839.1	5896.7	4042.4	2133.1	759.2	633.0	624.9	635.1	651.3	673.7	679.8
35°	7162.7	6051.4	3771.7	1526.6	626.9	578.1	569.9	569.9	578.1	582.1	584.2
37.5°	7429.4	6214.2	3517.2	1015.7	561.8	535.3	523.1	517.0	515.0	519.0	521.1
40°	7545.4	6281.4	3240.4	738.9	515.0	496.6	478.3	460.0	460.0	474.3	476.3
42.5°	7464.0	6206.1	2920.9	610.6	482.4	455.9	427.4	411.2	419.3	433.5	437.6
45°	7290.9	6020.8	2568.7	539.4	449.8	415.2	382.7	372.5	380.6	398.9	403.0
47.5°	7262.4	5898.7	2147.4	492.6	415.2	380.6	346.0	335.8	346.0	360.3	364.3
50°	7545.4	6004.5	1679.2	451.9	382.7	344.0	315.5	305.3	311.4	319.6	323.6
52.5°	8062.4	6397.4	1355.6	413.2	344.0	307.4	289.0	276.8	276.8	285.0	287.0
55°	8825.7	7083.3	1170.4	368.4	299.2	278.9	262.6	250.4	250.4	254.4	256.5
57.5°	9705.0	7913.8	1213.1	309.4	262.6	252.4	238.1	228.0	232.0	232.0	232.0
60°	9582.8	7852.7	1298.6	260.5	232.0	228.0	215.8	211.7	221.9	213.7	209.7
62.5°	7058.9	5424.4	679.8	213.7	199.5	195.4	187.3	195.4	209.7	187.3	179.1
65°	3427.7	2625.7	272.7	175.0	168.9	164.9	160.8	173.0	181.2	146.6	138.4
67.5°	806.0	655.4	177.1	148.6	140.4	132.3	136.4	138.4	132.3	99.7	95.7
70°	209.7	205.6	138.4	124.2	111.9	103.8	103.8	101.8	87.5	63.1	59.0
72.5°	114.0	111.9	99.7	93.6	77.3	69.2	71.2	63.1	48.9	36.6	34.6
75°	57.0	61.1	57.0	52.9	42.7	38.7	38.7	34.6	24.4	14.2	14.2
77.5°	12.2	14.2	14.2	12.2	10.2	8.1	8.1	10.2	4.1	0.0	0.0
80°	2.0	2.0	2.0	2.0	2.0	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)