

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: P642213

Luminaire Tested: GWS-SA6C-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642213  
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-SA6C-740-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

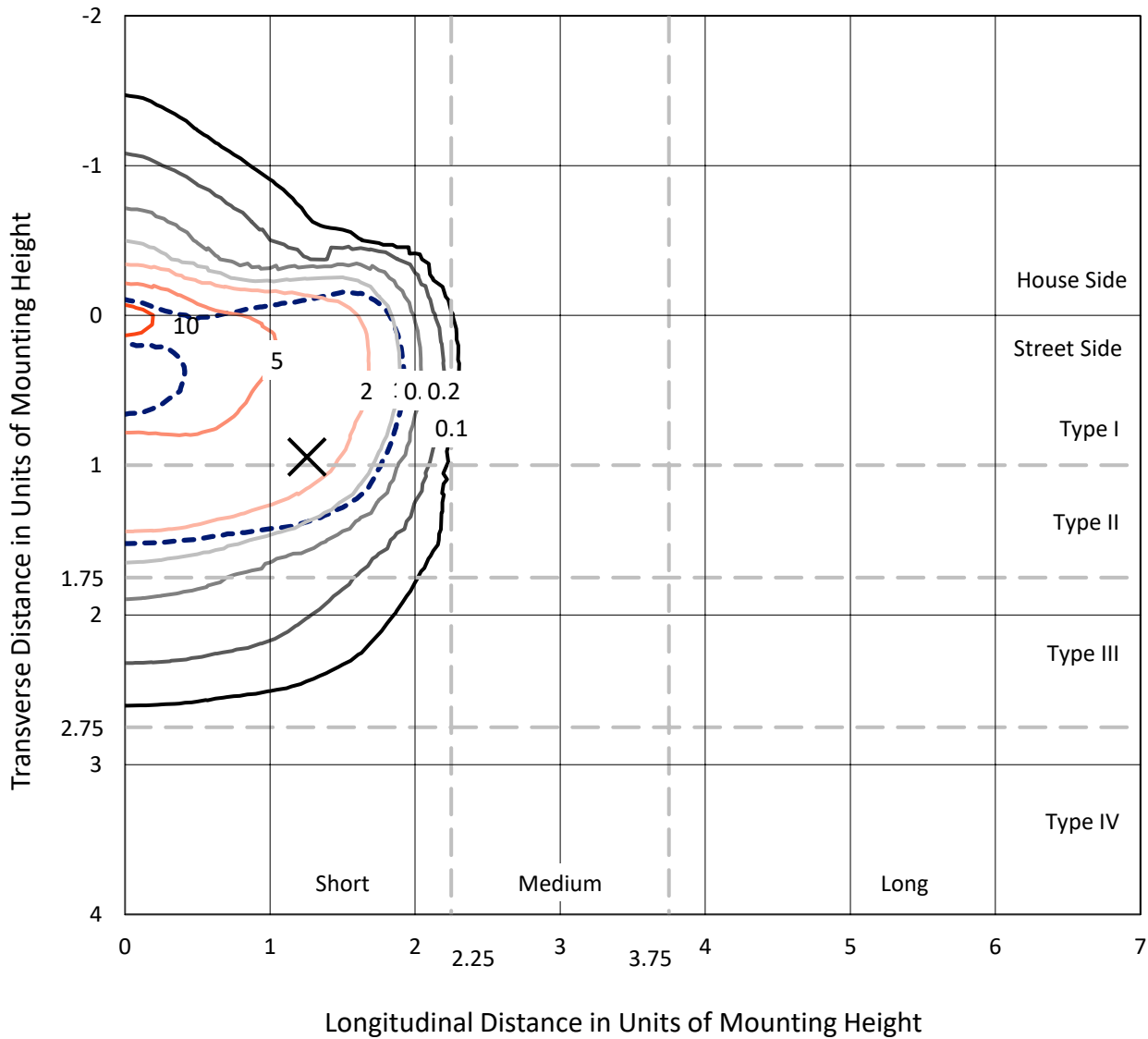
Lumens per Lamp: N/A  
Luminaire Lumens: 16607.9 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

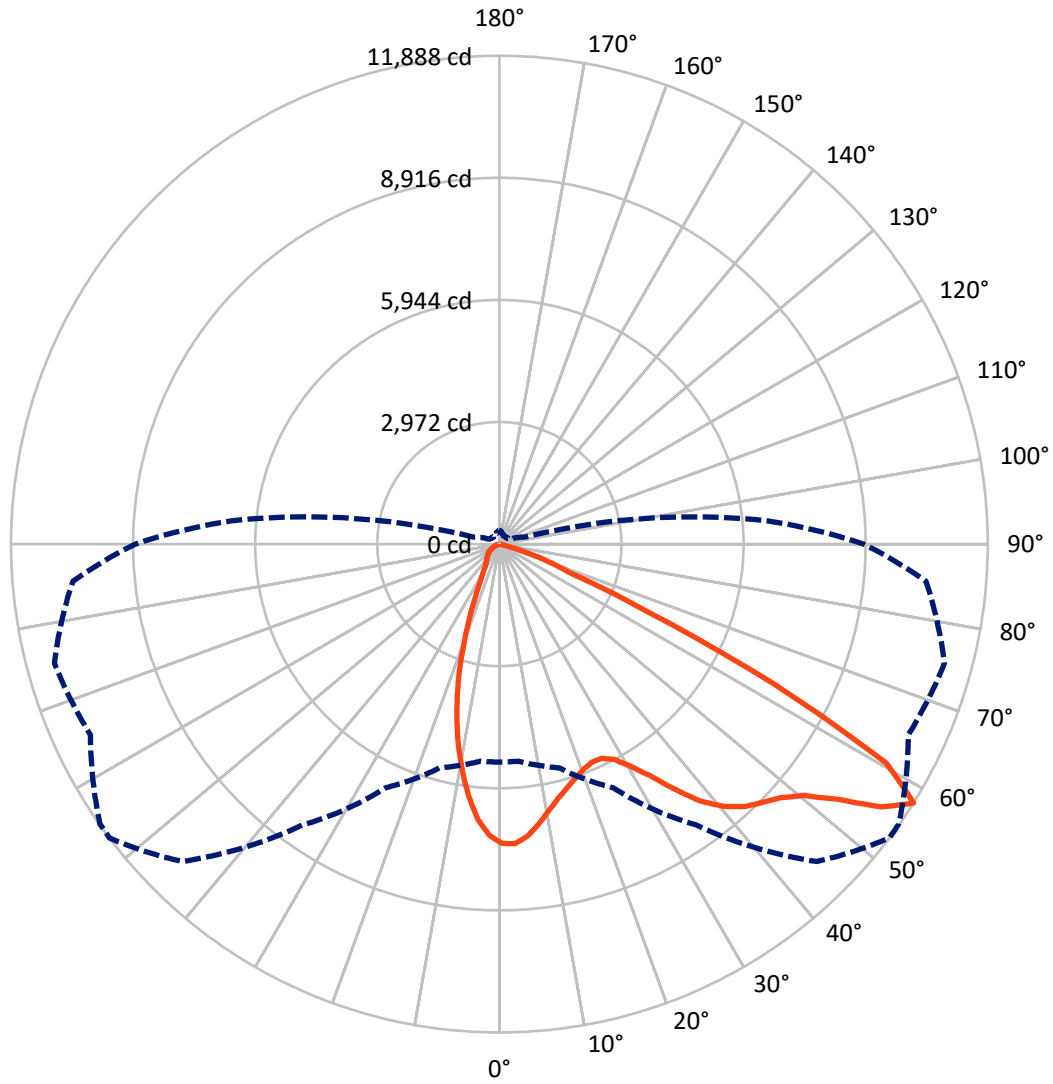
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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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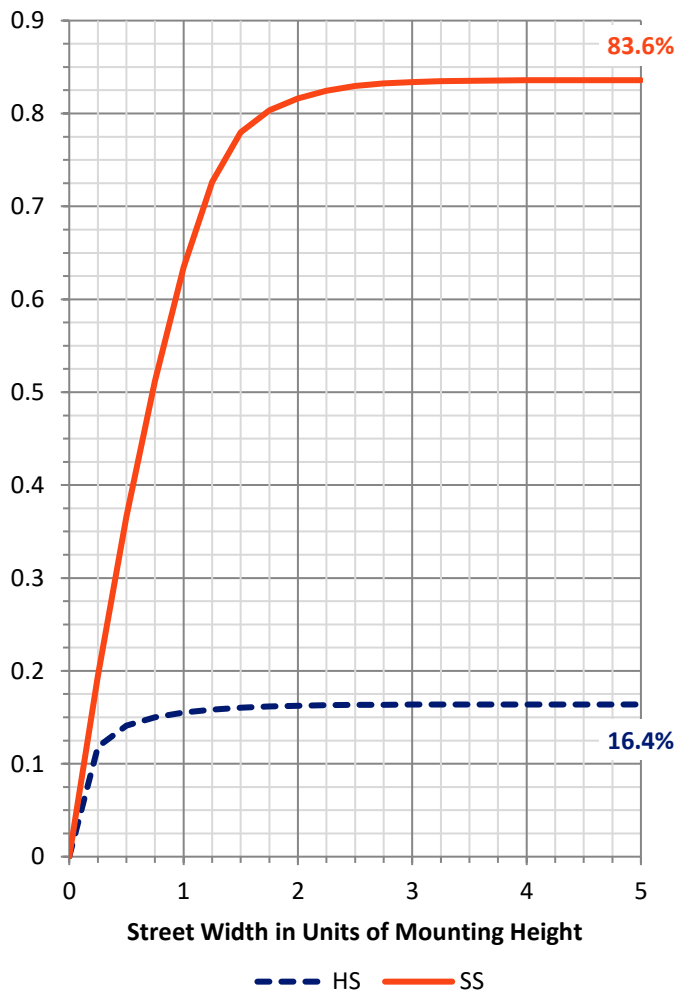
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2743.4	0.0	2743.4
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	13864.5	0.0	13864.5
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	16607.9	0.0	16607.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	623.3	3.8
10°-20°	1368.4	8.2
20°-30°	1782.7	10.7
30°-40°	2585.8	15.6
40°-50°	3731.1	22.5
50°-60°	4512.4	27.2
60°-70°	1839.1	11.1
70°-80°	165.2	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°	16607.9	100.0
0°-180°	16607.9	100.0

**Coefficient of Utilization**



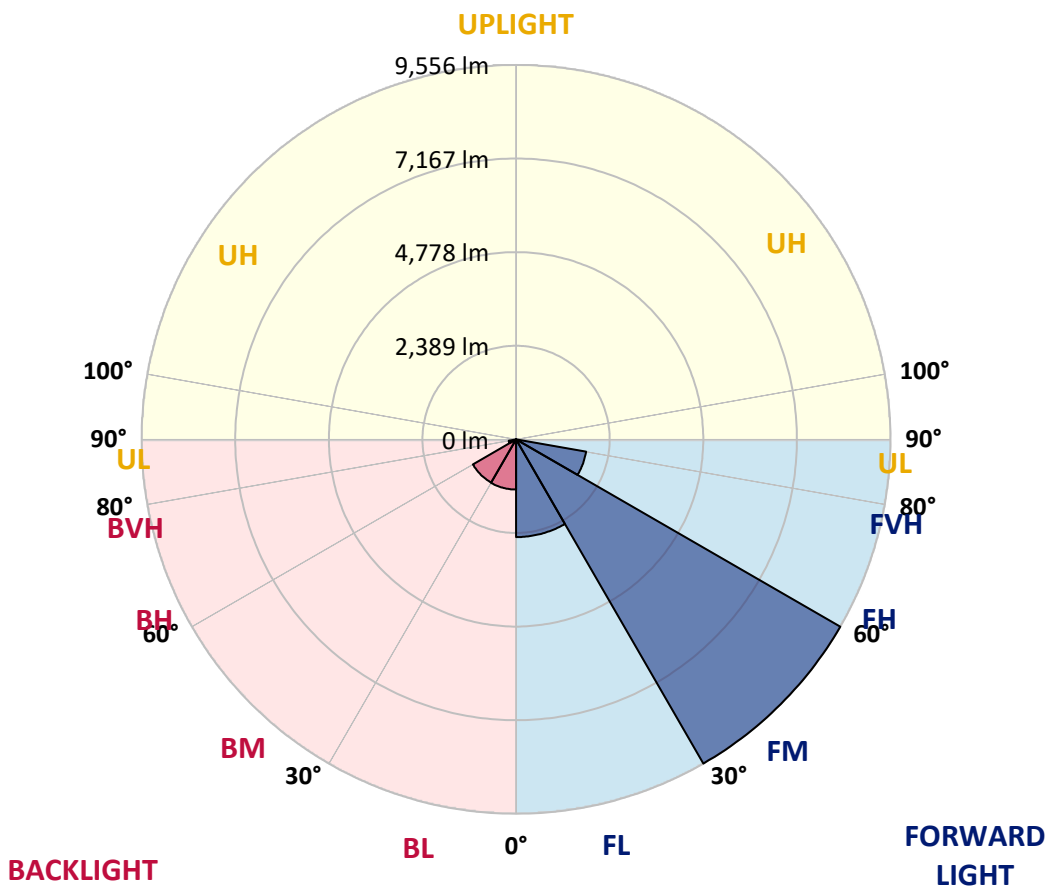
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2494.0	15.0			
FM (30°-60°)	9555.9	57.5			
FH (60°-80°)	1814.7	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1280.4	7.7	B3/2500		
BM (30°-60°)	1273.4	7.7	B2/2500		
BH (60°-80°)	189.6	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-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2
2.5°	7183.4	7199.7	7228.2	7264.8	7289.2	7301.5	7301.5	7336.1	7313.7	7295.3	7275.0
5°	6876.0	6892.3	6931.0	6990.0	7049.0	7091.8	7140.6	7177.3	7191.5	7191.5	7156.9
7.5°	6442.5	6464.9	6489.3	6570.7	6698.9	6794.6	6878.1	6931.0	7008.3	7032.8	6983.9
10°	5976.3	5998.7	6053.7	6165.6	6312.2	6454.7	6597.2	6664.3	6796.6	6865.9	6810.9
12.5°	5581.4	5591.6	5664.9	5799.2	5986.5	6181.9	6354.9	6424.1	6611.4	6715.2	6650.1
15°	5255.7	5261.9	5335.1	5483.7	5699.5	5939.7	6157.5	6228.7	6458.7	6615.5	6517.8
17.5°	5009.4	5011.5	5074.6	5235.4	5461.3	5728.0	5986.5	6074.0	6371.2	6560.5	6414.0
20°	4885.3	4879.2	4924.0	5064.4	5278.1	5544.8	5850.1	5958.0	6322.4	6552.4	6334.6
22.5°	4887.3	4873.1	4891.4	4991.1	5172.3	5422.7	5764.6	5886.8	6326.4	6587.0	6267.4
25°	5003.3	4983.0	4987.1	5040.0	5168.2	5396.2	5776.8	5907.1	6407.9	6703.0	6243.0
27.5°	5198.8	5176.4	5176.4	5202.8	5272.0	5479.7	5929.5	6078.1	6625.7	6929.0	6293.9
30°	5451.2	5428.8	5420.6	5447.1	5504.1	5695.4	6269.4	6424.1	6998.2	7299.4	6456.7
32.5°	5740.2	5713.7	5728.0	5764.6	5819.6	6084.2	6707.1	6912.7	7464.3	7798.1	6749.8
35°	6045.5	6023.1	6088.3	6167.7	6253.2	6623.6	7311.6	7490.8	8036.3	8419.0	7197.6
37.5°	6336.6	6326.4	6462.8	6629.7	6806.8	7270.9	7926.4	8064.8	8526.8	9094.8	7745.2
40°	6627.7	6625.7	6859.7	7152.9	7435.8	7916.2	8392.5	8506.5	8826.1	9619.9	8270.4
42.5°	6953.4	6953.4	7277.0	7667.9	8044.4	8461.7	8734.5	8785.4	8960.4	9923.2	8665.3
45°	7264.8	7283.1	7657.7	8111.6	8557.4	8887.1	8970.6	8974.7	9015.4	10102.3	8993.0
47.5°	7511.1	7527.4	7975.2	8498.3	8978.7	9210.8	9223.0	9204.7	9159.9	10273.3	9245.4
50°	7710.6	7735.0	8203.2	8756.9	9267.8	9522.2	9615.9	9597.5	9483.5	10456.5	9422.5
52.5°	7808.3	7842.9	8282.6	8885.1	9589.4	10055.5	10316.1	10358.8	9968.0	10558.3	9591.4
55°	7026.7	7077.5	7482.6	8307.0	9768.5	10879.9	11289.1	11280.9	10493.2	10861.6	10002.6
57.5°	5306.6	5302.6	5638.4	6540.2	8343.6	10926.7	11887.5	11871.2	10983.7	11213.7	10424.0
60°	3613.1	3588.6	3678.2	4113.8	5833.8	8901.4	10818.9	11038.7	10635.7	10358.8	8850.5
62.5°	2973.9	2951.5	2923.0	2802.9	3350.5	5544.8	7474.5	7808.3	7755.4	7199.7	5550.9
65°	2434.5	2452.8	2532.2	2481.3	2330.7	2843.6	3879.7	4077.2	3727.1	3136.8	1939.9
67.5°	1795.3	1803.5	1907.3	2176.0	2094.6	1893.0	1825.9	1858.4	1089.0	500.7	323.6
70°	1060.5	1066.6	1162.3	1522.6	1699.7	1453.4	1233.5	1215.2	431.5	134.3	146.6
72.5°	600.5	588.3	606.6	724.6	926.2	771.5	635.1	578.1	130.3	75.3	75.3
75°	285.0	276.8	238.2	223.9	203.6	130.3	81.4	69.2	32.6	30.5	30.5
77.5°	2.0	6.1	4.1	6.1	6.1	4.1	2.0	2.0	6.1	6.1	8.1
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°	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2	7285.2
2.5°	7238.4	7177.3	7163.0	7159.0	7102.0	7040.9	6977.8	6953.4	6916.7	6894.3	6912.7
5°	7102.0	7014.4	6937.1	6865.9	6739.6	6601.2	6481.1	6403.8	6330.5	6281.7	6293.9
7.5°	6908.6	6794.6	6617.5	6436.4	6204.3	5996.7	5764.6	5622.1	5489.8	5416.6	5451.2
10°	6703.0	6552.4	6269.4	5962.1	5597.7	5272.0	4940.2	4669.5	4512.8	4364.2	4380.5
12.5°	6501.5	6302.0	5878.6	5412.5	4952.5	4472.1	3971.3	3596.8	3340.3	3155.1	3126.6
15°	6314.2	6057.7	5498.0	4883.2	4256.3	3617.1	2978.0	2442.6	2145.5	1962.3	1950.0
17.5°	6147.3	5829.8	5103.1	4329.6	3543.9	2725.6	1990.8	1589.8	1418.8	1339.4	1331.2
20°	5986.5	5599.8	4700.0	3767.8	2766.3	1913.4	1374.0	1188.8	1133.8	1101.2	1105.3
22.5°	5831.8	5349.4	4276.7	3144.9	2074.2	1343.5	1064.6	993.3	987.2	991.3	993.3
25°	5701.5	5119.4	3841.1	2544.4	1479.8	1023.9	889.5	869.2	887.5	914.0	918.0
27.5°	5634.4	4932.1	3415.6	1939.9	1070.7	832.5	771.5	779.6	812.2	840.7	844.7
30°	5652.7	4791.6	2975.9	1406.6	824.4	702.3	681.9	698.2	730.8	757.2	761.3
32.5°	5782.9	4720.4	2526.1	1023.9	677.8	612.7	604.6	616.8	645.3	665.6	667.7
35°	6041.5	4736.7	2098.6	783.7	582.2	545.5	543.5	551.6	565.9	580.1	582.2
37.5°	6422.1	4869.0	1677.3	651.4	527.2	500.7	492.6	492.6	502.8	508.9	513.0
40°	6831.2	5068.5	1343.5	576.1	488.5	460.0	443.7	437.6	445.8	453.9	456.0
42.5°	7169.1	5268.0	1091.0	523.1	458.0	419.3	399.0	394.9	405.1	419.3	423.4
45°	7427.7	5422.7	909.9	480.4	423.4	380.6	358.3	358.3	376.6	401.0	405.1
47.5°	7663.8	5546.8	775.5	441.7	390.8	346.0	323.6	327.7	358.3	390.8	396.9
50°	7824.6	5646.6	675.8	407.1	364.4	317.5	297.2	305.3	342.0	380.6	386.8
52.5°	7997.6	5768.7	610.7	376.6	339.9	295.2	276.8	282.9	323.6	366.4	374.5
55°	8476.0	6177.8	608.6	335.9	297.2	264.6	256.5	258.5	299.2	348.1	358.3
57.5°	8866.8	6538.1	649.3	282.9	248.3	232.1	228.0	230.0	266.7	321.6	333.8
60°	7336.1	5080.7	537.4	234.1	207.6	203.6	197.4	201.5	236.1	285.0	295.2
62.5°	4341.8	2904.7	256.5	179.1	177.1	173.0	166.9	175.1	207.6	250.4	256.5
65°	1483.9	861.0	162.8	146.6	150.6	144.5	138.4	146.6	175.1	199.5	201.5
67.5°	285.0	228.0	130.3	122.1	124.2	112.0	109.9	118.1	134.3	138.4	136.4
70°	148.6	132.3	99.7	99.7	95.7	79.4	79.4	87.5	87.5	81.4	79.4
72.5°	77.4	73.3	65.1	73.3	61.1	48.9	48.9	52.9	48.9	40.7	40.7
75°	30.5	30.5	28.5	36.6	26.5	22.4	20.4	24.4	18.3	14.2	14.2
77.5°	8.1	8.1	8.1	10.2	6.1	6.1	4.1	4.1	2.0	0.0	0.0
80°	0.0	2.0	0.0	2.0	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

(END OF REPORT)