

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: P642342

Luminaire Tested: GWS-SA6C-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-760-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

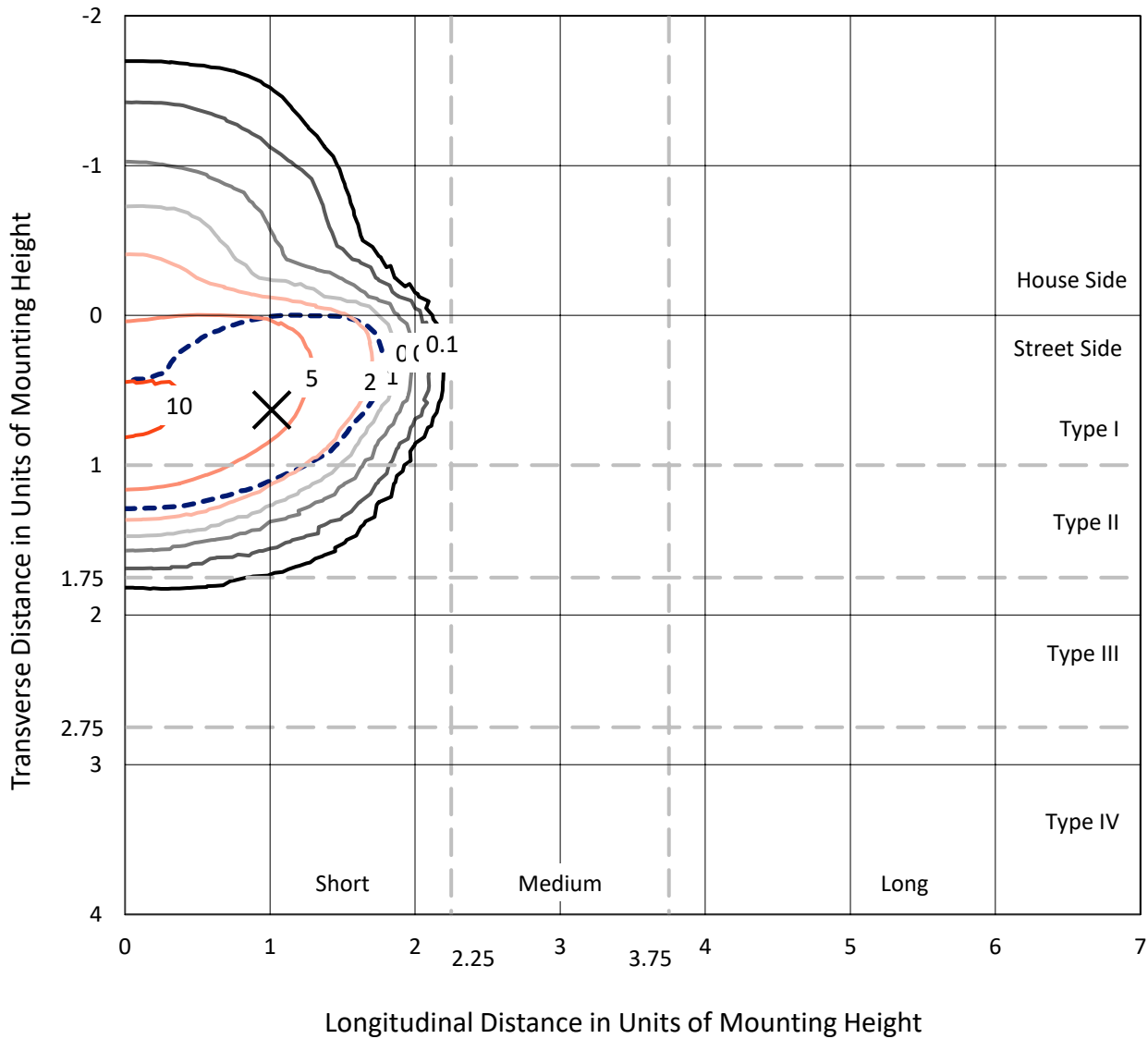
Lumens per Lamp: N/A  
Luminaire Lumens: 19203.6 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

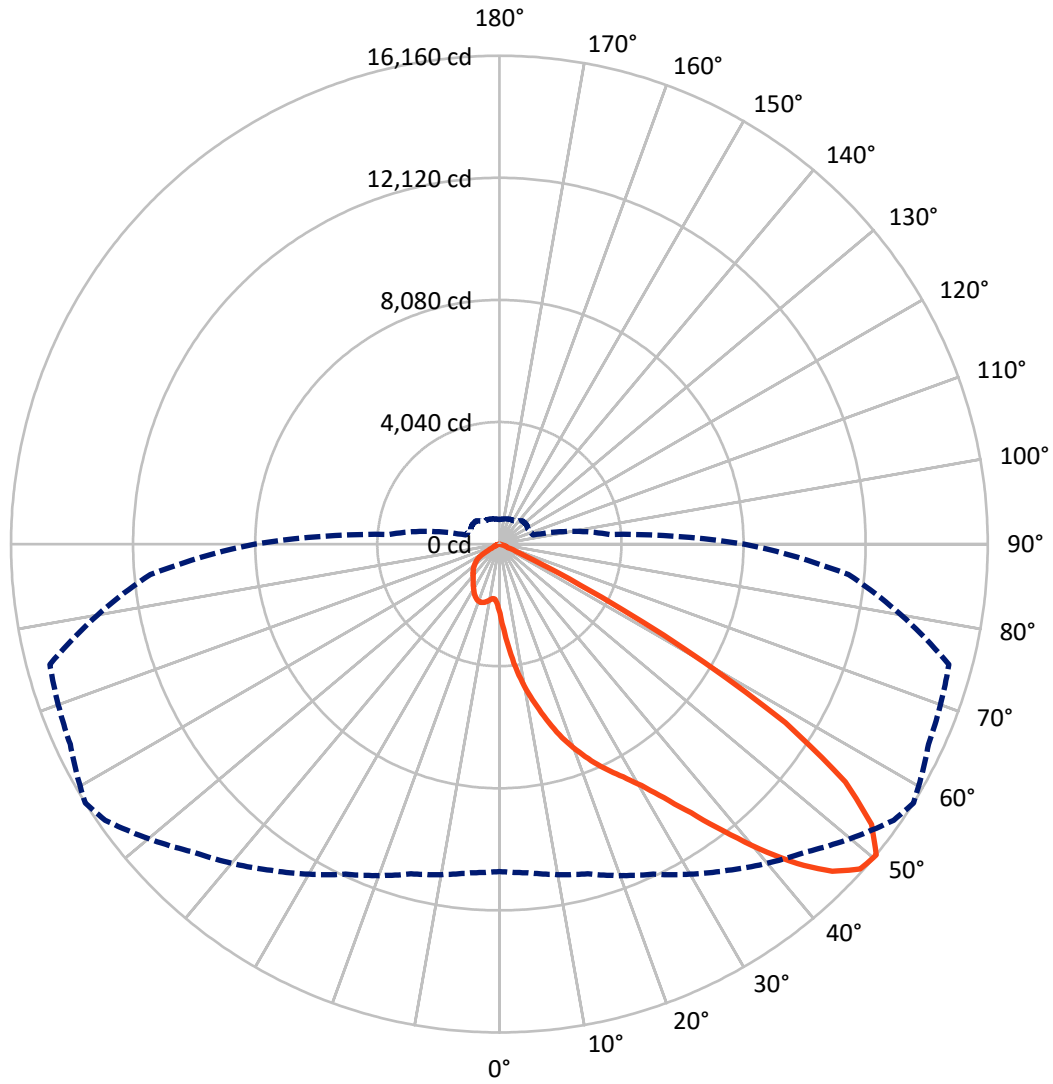
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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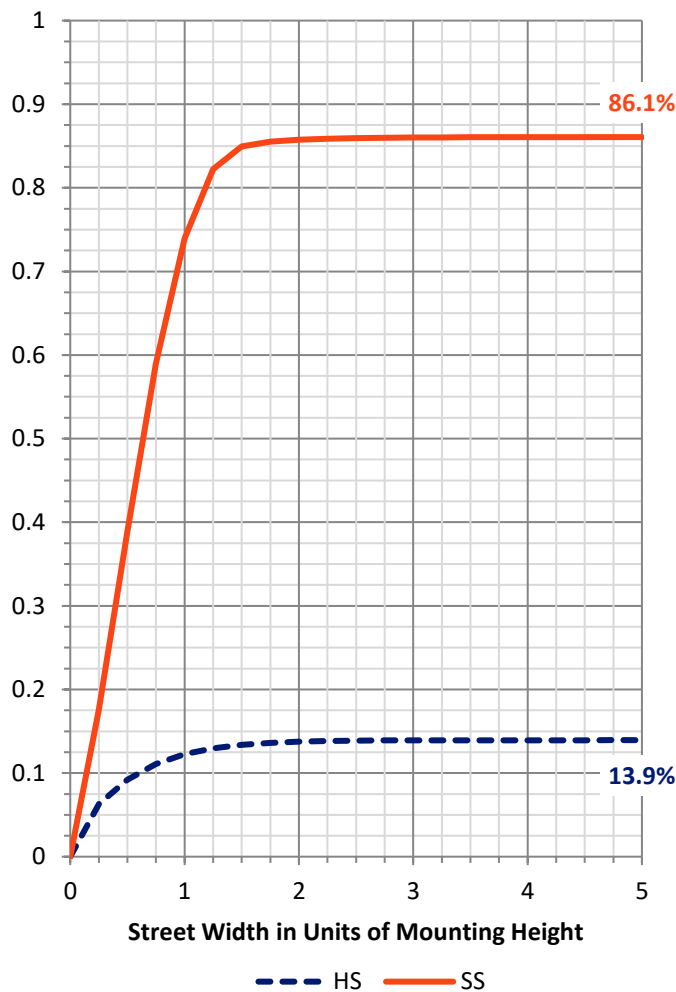
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2689.7	0.0	2689.7
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	16513.9	0.0	16513.9
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	19203.6	0.0	19203.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.2	1.5
10°-20°	1125.0	5.9
20°-30°	2276.4	11.9
30°-40°	4027.2	21.0
40°-50°	5870.8	30.6
50°-60°	4705.6	24.5
60°-70°	847.7	4.4
70°-80°	66.8	0.3
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°	19203.6	100.0
0°-180°	19203.6	100.0

**Coefficient of Utilization**



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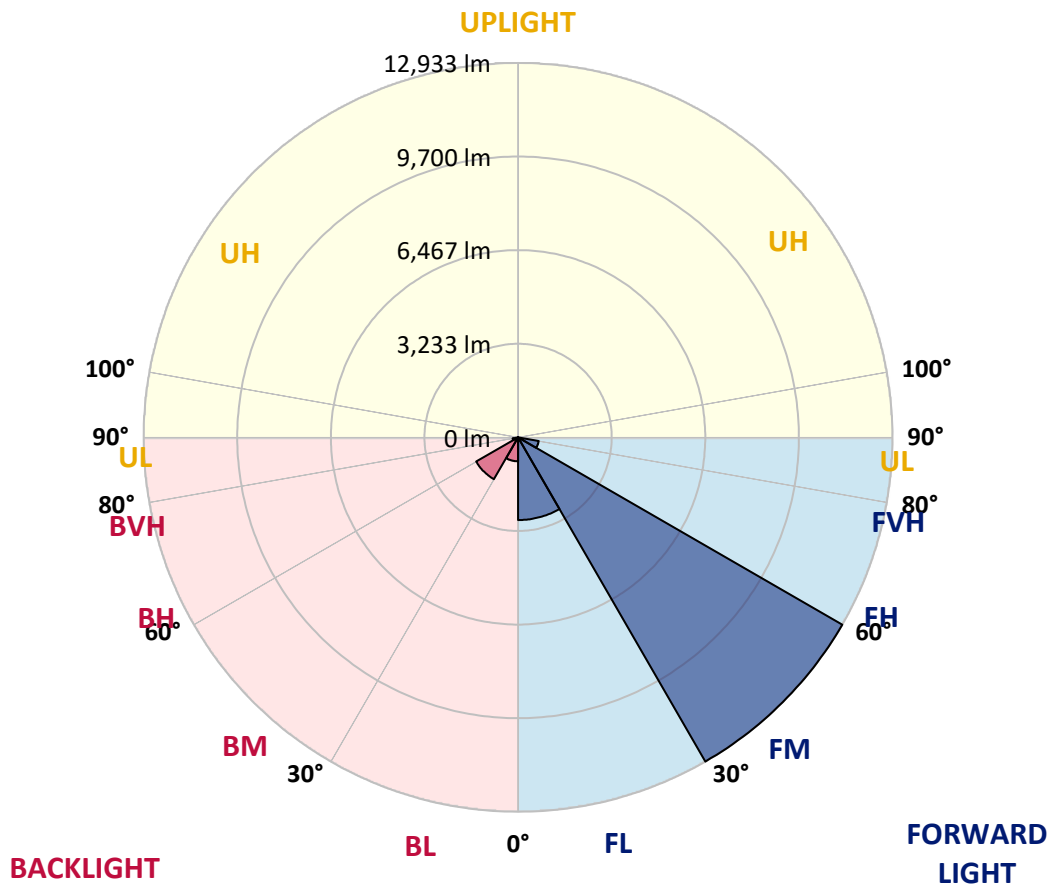
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2857.4	14.9			
FM (30°-60°)	12933.0	67.3			
FH (60°-80°)	723.4	3.8			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	828.1	4.3	B2/1000		
BM (30°-60°)	1670.5	8.7	B2/2500		
BH (60°-80°)	191.2	1.0	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°	55°	58°	65°	75°	85°
0°	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8
2.5°	3394.6	3341.2	3310.4	3285.7	3176.9	3004.4	2891.4	2831.9	2733.3	2567.0	2423.2
5°	4429.5	4390.5	4318.7	4269.4	4129.7	3885.4	3632.8	3532.1	3308.3	2932.5	2595.7
7.5°	5115.4	5086.7	5060.0	4994.3	4862.9	4641.1	4361.8	4257.0	3912.0	3378.1	2825.7
10°	5643.2	5620.6	5589.8	5587.8	5485.1	5285.9	5012.8	4903.9	4530.2	3862.8	3096.8
12.5°	6107.3	6088.8	6082.7	6140.2	6074.5	5926.6	5630.9	5495.4	5099.0	4357.7	3396.6
15°	6425.6	6421.5	6448.2	6561.2	6598.1	6530.4	6281.9	6136.1	5680.2	4854.6	3727.2
17.5°	6571.4	6583.7	6635.1	6830.2	6994.5	7052.0	6861.0	6737.8	6257.2	5357.8	4080.4
20°	6819.9	6815.8	6846.6	7031.4	7232.7	7438.0	7380.5	7275.8	6840.4	5889.6	4472.7
22.5°	7520.2	7460.6	7394.9	7423.7	7495.5	7735.8	7842.6	7789.2	7442.1	6435.9	4877.2
25°	8596.2	8534.6	8323.1	8117.8	7982.2	8091.1	8236.9	8263.6	8039.7	6996.5	5300.3
27.5°	9738.0	9682.6	9444.4	9136.3	8748.2	8559.3	8668.1	8721.5	8627.0	7663.9	5750.0
30°	10807.9	10734.0	10473.2	10091.2	9641.5	9352.0	9228.7	9265.7	9321.2	8454.5	6277.8
32.5°	11736.1	11680.7	11368.6	10966.1	10532.8	10230.9	9943.4	10005.0	10140.5	9421.8	6953.4
35°	12522.7	12493.9	12163.3	11762.8	11304.9	11150.9	10904.5	10916.8	11052.3	10590.3	7776.9
37.5°	13206.5	13157.2	12857.4	12485.7	12122.2	12097.6	12029.8	12036.0	12105.8	11951.8	8723.6
40°	13637.8	13592.6	13379.0	13149.0	12890.3	12894.4	13245.5	13272.2	13192.1	13288.6	9723.7
42.5°	13800.0	13767.1	13652.1	13654.2	13627.5	13748.6	14407.8	14457.1	14169.6	14338.0	10577.9
45°	13518.6	13504.3	13512.5	13808.2	14128.6	14502.3	15358.6	15444.9	15038.3	15034.2	11245.3
47.5°	12611.0	12582.2	12822.5	13325.6	14067.0	14793.9	15933.6	16067.1	15646.1	15432.6	11664.3
50°	10832.6	10914.7	11294.6	12050.3	13177.8	14393.5	15927.5	16159.5	15668.7	15397.7	11594.5
52.5°	7846.7	7830.3	8662.0	9701.1	11072.8	13112.0	15081.4	15420.3	15120.4	15054.7	11438.4
55°	4269.4	4419.3	4979.9	6355.8	8068.5	10686.8	13149.0	13888.3	14235.3	14929.4	11719.7
57.5°	1568.9	1634.6	1985.8	2959.2	4271.4	6645.4	10044.0	11159.1	12231.1	14580.3	11672.5
60°	632.5	644.8	784.5	1088.4	1794.8	3382.2	6025.2	7015.0	8025.3	11161.1	8957.7
62.5°	460.0	476.4	531.9	636.6	907.7	1478.6	2597.8	3020.8	3302.1	5528.2	4413.1
65°	371.7	384.0	429.2	476.4	599.6	794.7	837.9	807.1	802.9	1429.3	1012.4
67.5°	308.0	320.4	353.2	386.1	431.2	396.3	287.5	301.9	246.4	244.4	199.2
70°	225.9	240.3	273.1	308.0	258.7	106.8	166.3	246.4	186.9	156.1	152.0
72.5°	170.4	180.7	211.5	201.2	76.0	41.1	110.9	178.7	143.7	115.0	112.9
75°	127.3	133.5	106.8	32.9	8.2	10.3	41.1	73.9	80.1	65.7	65.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	6.2	8.2	10.3	12.3
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°	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8
2.5°	2341.1	2254.8	2131.6	2028.9	1950.9	1874.9	1817.4	1759.9	1757.9	1729.1	1722.9
5°	2439.6	2283.6	2057.7	1895.4	1796.9	1737.3	1696.2	1675.7	1665.4	1655.2	1651.1
7.5°	2581.3	2357.5	2045.4	1872.9	1790.7	1751.7	1722.9	1710.6	1704.5	1696.2	1694.2
10°	2755.9	2464.3	2090.5	1916.0	1844.1	1807.1	1776.3	1757.9	1747.6	1733.2	1729.1
12.5°	2965.4	2595.7	2162.4	1987.9	1911.9	1862.6	1821.5	1794.8	1780.4	1762.0	1757.9
15°	3191.2	2737.4	2242.5	2053.6	1963.2	1899.6	1848.2	1807.1	1780.4	1757.9	1751.7
17.5°	3425.4	2881.2	2314.4	2098.7	1987.9	1911.9	1837.9	1782.5	1749.6	1720.9	1712.7
20°	3688.2	3029.0	2361.6	2107.0	1979.6	1879.0	1792.8	1722.9	1690.1	1651.1	1642.9
22.5°	3963.4	3166.6	2382.1	2088.5	1934.5	1817.4	1725.0	1653.1	1605.9	1564.8	1552.5
25°	4230.4	3289.8	2371.9	2037.1	1866.7	1731.2	1636.7	1562.8	1511.4	1470.4	1460.1
27.5°	4513.7	3392.5	2334.9	1961.2	1774.3	1636.7	1546.3	1482.7	1435.4	1390.3	1380.0
30°	4832.0	3487.0	2275.4	1868.7	1665.4	1540.2	1470.4	1427.2	1375.9	1328.7	1314.3
32.5°	5216.1	3571.2	2189.1	1757.9	1568.9	1456.0	1417.0	1384.1	1324.6	1275.3	1265.0
35°	5655.5	3641.0	2080.3	1642.9	1474.5	1402.6	1394.4	1351.2	1273.2	1215.7	1203.4
37.5°	6164.8	3708.7	1950.9	1529.9	1404.6	1377.9	1380.0	1306.1	1211.6	1141.8	1133.6
40°	6713.1	3776.5	1807.1	1431.3	1341.0	1363.6	1345.1	1240.4	1086.3	1018.6	1010.4
42.5°	7284.0	3850.4	1661.3	1338.9	1287.6	1308.1	1281.4	1108.9	998.0	963.1	959.0
45°	7799.5	3938.7	1503.2	1246.5	1234.2	1228.0	1182.9	1004.2	957.0	932.3	930.3
47.5°	8171.2	3924.4	1334.8	1158.2	1176.7	1156.2	1018.6	954.9	915.9	883.0	874.8
50°	8103.4	3673.8	1160.3	1059.6	1102.8	1084.3	915.9	897.4	862.5	827.6	815.3
52.5°	7930.9	3332.9	1008.3	954.9	1022.7	979.6	846.1	827.6	796.8	751.6	737.2
55°	8023.3	3012.6	889.2	870.7	940.5	811.2	768.0	739.3	706.4	657.1	651.0
57.5°	7725.5	2458.1	714.6	727.0	831.7	692.1	673.6	628.4	572.9	540.1	536.0
60°	5347.5	1320.4	447.7	462.1	601.7	581.2	603.7	562.7	494.9	464.1	457.9
62.5°	2456.1	529.8	244.4	234.1	316.2	394.3	517.5	513.4	429.2	379.9	375.8
65°	595.5	242.3	174.6	164.3	178.7	236.2	336.8	404.6	347.1	289.6	283.4
67.5°	193.0	197.1	160.2	149.9	158.1	176.6	201.2	223.8	221.8	203.3	199.2
70°	154.0	178.7	147.9	135.5	135.5	141.7	135.5	108.8	94.5	102.7	106.8
72.5°	115.0	135.5	117.1	104.7	100.6	98.6	84.2	61.6	43.1	39.0	37.0
75°	67.8	76.0	71.9	61.6	57.5	51.3	41.1	26.7	14.4	10.3	6.2
77.5°	12.3	14.4	16.4	12.3	10.3	8.2	6.2	2.1	0.0	0.0	0.0
80°	0.0	2.1	2.1	2.1	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)