

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: P634760

Luminaire Tested: GWS-SA3C-735-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-735-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

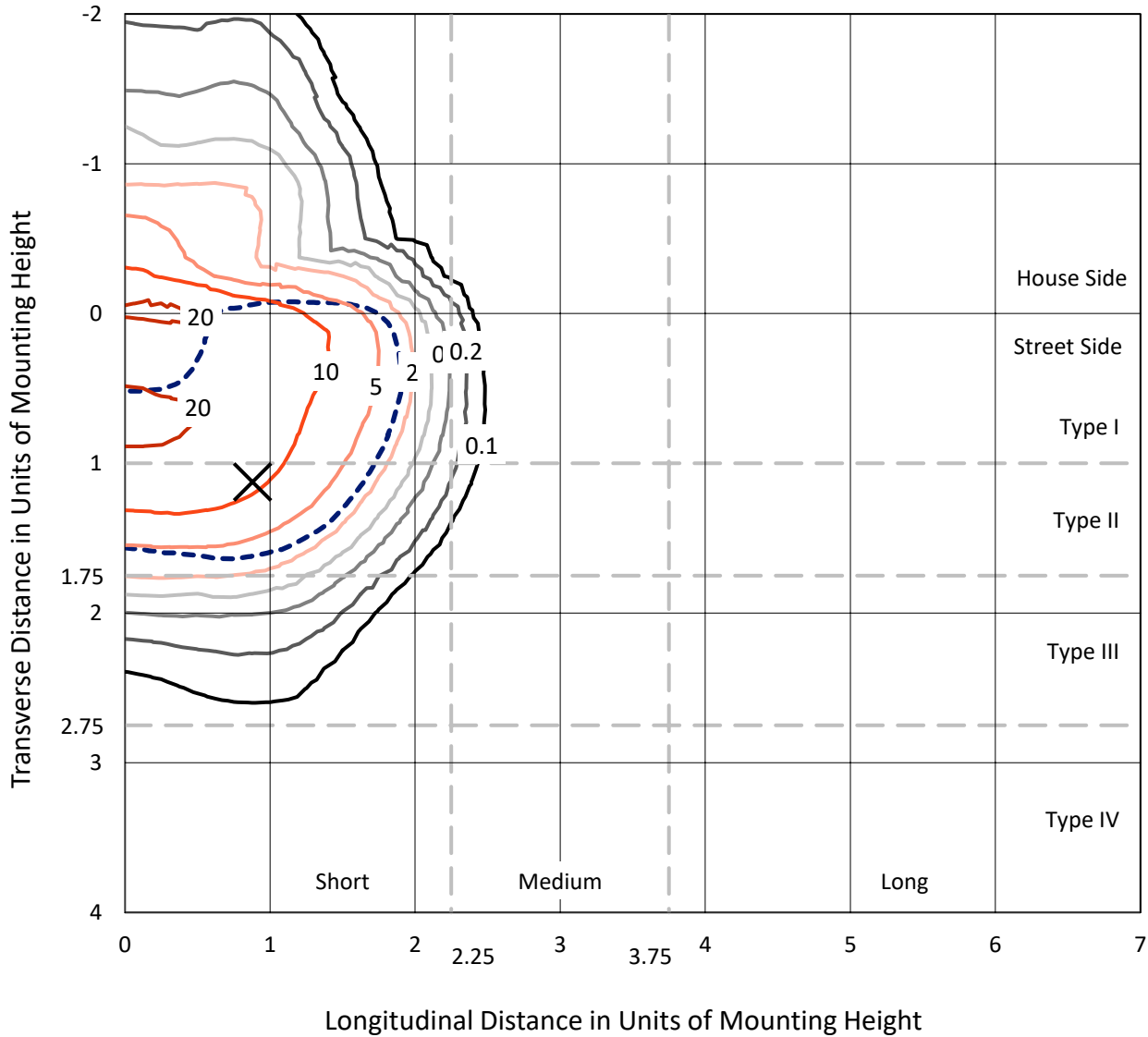
Lumens per Lamp: N/A  
Luminaire Lumens: 8629.1 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

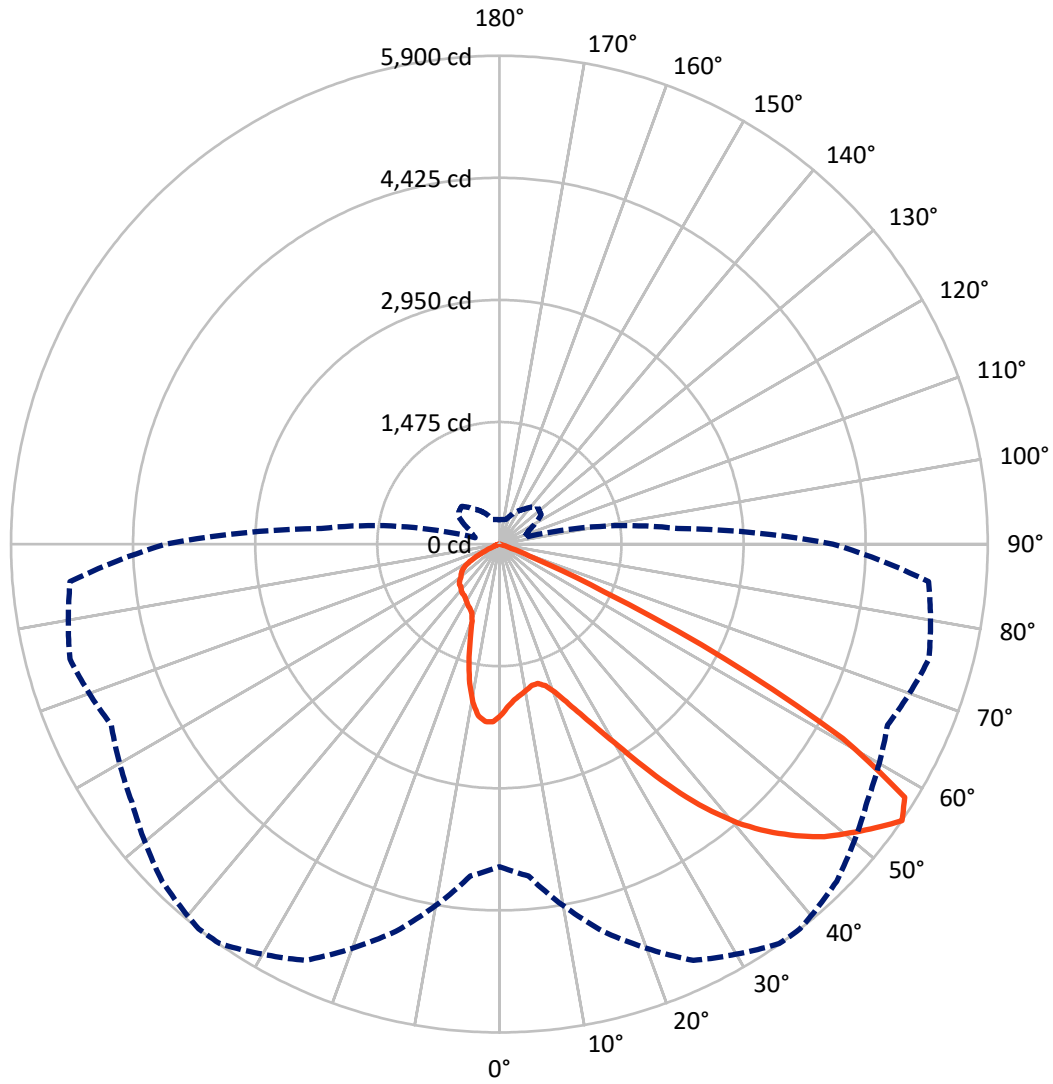
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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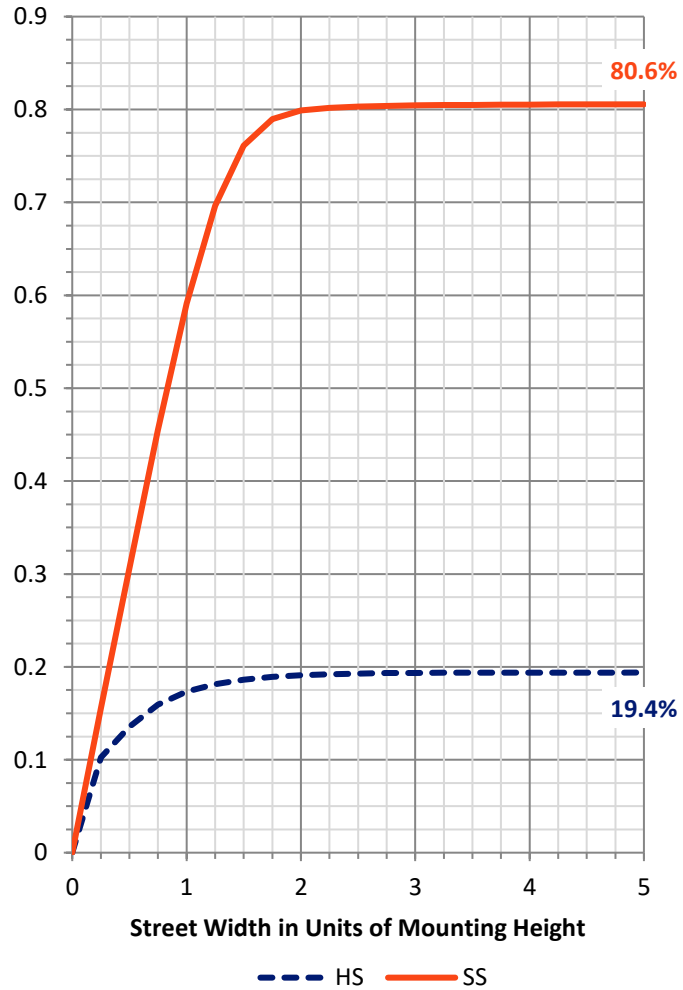
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1681.2	0.0	1681.2
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	6947.9	0.0	6947.9
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	8629.1	0.0	8629.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.3	2.2
10°-20°	515.1	6.0
20°-30°	883.9	10.2
30°-40°	1466.1	17.0
40°-50°	2155.2	25.0
50°-60°	2518.4	29.2
60°-70°	853.7	9.9
70°-80°	43.6	0.5
80°-90°	1.7	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°	8629.1	100.0
0°-180°	8629.1	100.0

**Coefficient of Utilization**



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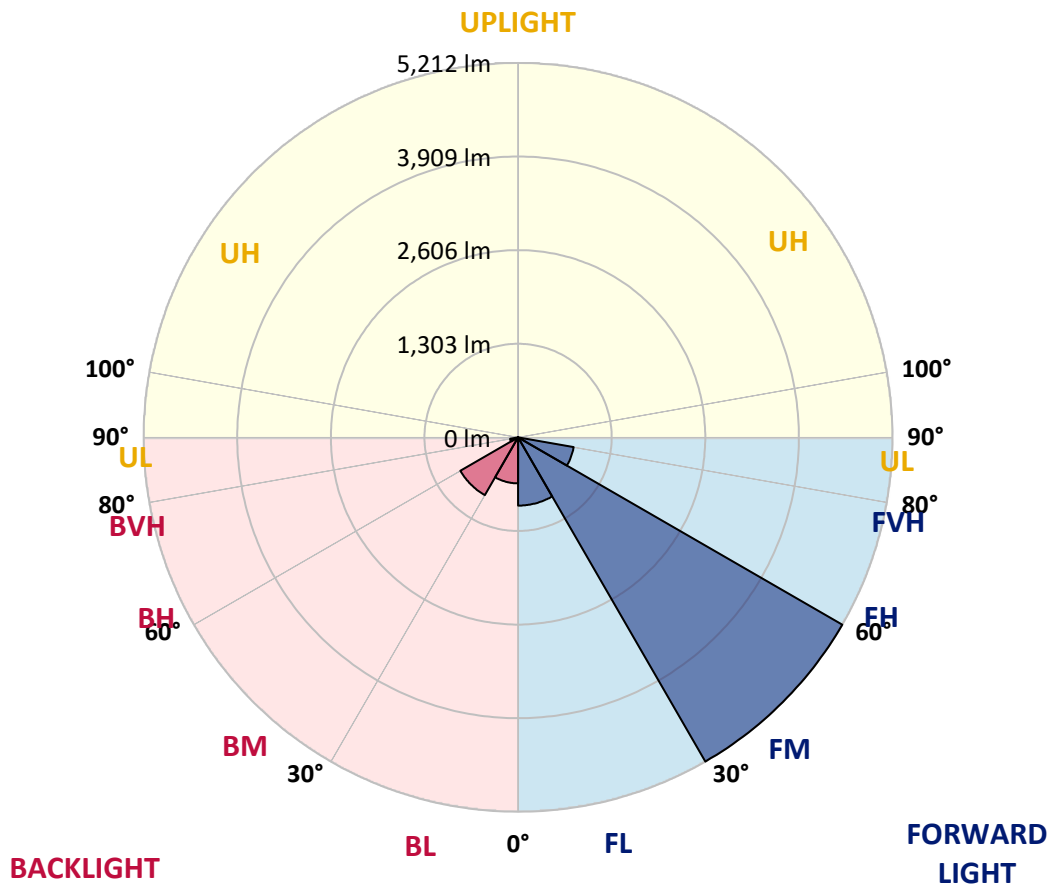
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	949.9	11.0			
FM (30°-60°)	5211.7	60.4			
FH (60°-80°)	785.4	9.1			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	640.5	7.4	B2/1000		
BM (30°-60°)	928.0	10.8	B1/1000		
BH (60°-80°)	111.9	1.3	B1/500		G1/500
BVH (80°-90°)	0.8	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°	38°	45°	55°	65°	75°	85°
0°	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3
2.5°	1927.3	1923.3	1931.2	1947.0	1961.8	1966.7	1981.5	2002.3	2015.1	2045.7	2070.3
5°	1840.5	1838.5	1846.4	1860.2	1879.9	1886.9	1909.5	1944.1	1978.6	2031.8	2084.1
7.5°	1761.6	1760.6	1772.4	1803.0	1831.6	1840.5	1868.1	1910.5	1956.9	2038.7	2115.7
10°	1658.0	1659.0	1681.7	1725.1	1777.4	1795.1	1839.5	1900.7	1960.8	2066.4	2172.9
12.5°	1624.5	1626.5	1638.3	1671.8	1729.0	1751.7	1813.9	1906.6	1983.5	2105.8	2246.9
15°	1706.4	1706.4	1696.5	1700.4	1726.1	1746.8	1811.9	1926.3	2022.0	2153.2	2319.9
17.5°	1865.2	1859.2	1834.6	1801.0	1792.2	1799.1	1851.3	1968.7	2076.2	2208.4	2402.7
20°	2080.2	2082.1	2033.8	1963.8	1907.6	1906.6	1938.1	2043.7	2154.1	2274.5	2492.5
22.5°	2340.6	2332.7	2268.6	2172.9	2075.2	2067.4	2080.2	2158.1	2266.6	2379.0	2602.9
25°	2642.4	2638.4	2547.7	2419.5	2290.3	2271.5	2271.5	2348.5	2427.4	2528.0	2735.1
27.5°	2958.0	2958.0	2870.2	2722.3	2550.7	2517.1	2512.2	2602.9	2655.2	2674.9	2846.6
30°	3282.5	3278.6	3191.8	3039.9	2856.4	2821.9	2808.1	2875.2	2912.6	2853.5	2985.6
32.5°	3611.9	3618.9	3531.1	3390.0	3226.3	3203.6	3161.2	3161.2	3191.8	3108.9	3204.6
35°	3966.0	3964.1	3895.0	3799.4	3659.3	3633.6	3563.6	3454.1	3500.5	3464.0	3507.4
37.5°	4278.7	4293.5	4260.0	4189.0	4075.5	4049.9	3934.5	3736.2	3771.7	3828.9	3867.4
40°	4596.3	4608.1	4641.7	4619.0	4476.0	4428.6	4223.5	3898.0	3937.4	4133.7	4244.2
42.5°	4908.0	4913.9	4982.0	5019.4	4828.1	4745.2	4442.4	3996.6	4038.0	4372.4	4565.7
45°	5106.2	5119.1	5231.5	5345.9	5138.8	5025.4	4632.8	4122.9	4140.6	4538.1	4803.4
47.5°	5098.3	5127.9	5339.0	5547.1	5406.1	5283.8	4861.6	4325.1	4295.5	4694.0	4960.3
50°	4939.6	4975.1	5277.9	5608.3	5598.4	5485.0	5116.1	4618.0	4525.3	4832.0	4980.0
52.5°	4610.1	4712.7	5170.4	5616.2	5753.3	5696.1	5430.7	5012.5	4836.0	5030.3	5011.6
55°	3898.0	4024.2	4843.9	5549.1	5893.3	5900.2	5761.2	5423.8	5173.3	5371.6	5205.9
57.5°	2959.0	3059.6	3728.3	4939.6	5661.5	5775.0	5889.4	5640.8	5381.4	5604.3	5251.2
60°	1783.3	1899.7	2334.6	3624.8	4572.6	4766.0	5214.7	5166.4	4853.7	4949.4	4306.3
62.5°	723.0	784.1	1078.1	1997.3	2878.1	3058.6	3488.7	3561.6	3484.7	3387.1	2611.8
65°	264.3	289.0	432.0	825.6	1323.7	1389.7	1616.6	1745.8	1852.3	1577.1	971.5
67.5°	163.7	179.5	281.1	424.1	481.3	447.8	455.7	543.5	518.8	320.6	173.6
70°	121.3	134.1	220.0	293.9	194.3	149.9	101.6	108.5	97.6	85.8	84.8
72.5°	83.8	95.7	164.7	173.6	75.0	53.3	37.5	52.3	59.2	58.2	60.2
75°	55.2	64.1	103.6	68.1	18.7	14.8	12.8	27.6	35.5	35.5	36.5
77.5°	32.5	37.5	36.5	13.8	3.9	3.9	3.0	4.9	7.9	8.9	10.8
80°	3.9	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
82.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
85°	0.0	0.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
87.5°	0.0	0.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
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°	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3	2069.3
2.5°	2089.1	2082.1	2110.8	2131.5	2148.2	2156.1	2145.3	2144.3	2144.3	2122.6	2116.7
5°	2113.7	2116.7	2157.1	2174.9	2177.8	2168.0	2143.3	2126.5	2116.7	2094.0	2081.2
7.5°	2161.1	2170.9	2209.4	2206.4	2179.8	2134.4	2069.3	2019.0	1986.5	1951.0	1929.3
10°	2229.1	2247.9	2271.5	2230.1	2145.3	2029.9	1895.7	1800.1	1742.8	1702.4	1677.8
12.5°	2312.0	2330.7	2322.8	2225.2	2048.6	1842.5	1669.9	1531.8	1465.7	1429.2	1403.6
15°	2395.8	2407.6	2356.3	2166.0	1878.0	1600.8	1408.5	1271.4	1190.5	1160.9	1139.2
17.5°	2481.6	2478.7	2362.3	2049.6	1650.1	1328.6	1139.2	1045.5	1022.8	1017.9	1015.9
20°	2571.4	2544.7	2338.6	1882.9	1375.9	1059.3	951.8	957.7	999.2	1018.9	1022.8
22.5°	2673.9	2606.9	2279.4	1657.0	1095.8	882.8	893.6	951.8	1008.0	1034.7	1038.6
25°	2783.4	2664.1	2180.8	1367.1	864.0	811.8	875.9	942.9	1003.1	1035.6	1039.6
27.5°	2855.4	2677.9	2019.0	1075.1	741.7	784.1	852.2	916.3	978.4	1013.9	1018.9
30°	2933.4	2672.0	1799.1	828.5	700.3	760.5	819.6	877.8	935.0	974.5	978.4
32.5°	3047.8	2668.0	1530.8	672.7	683.5	741.7	785.1	833.5	872.9	895.6	892.6
35°	3197.7	2663.1	1218.1	606.6	673.7	726.9	761.4	784.1	740.7	726.9	729.9
37.5°	3390.0	2674.9	954.8	579.0	670.7	723.0	752.6	687.5	620.4	594.8	590.8
40°	3603.1	2705.5	727.9	568.1	680.6	732.8	719.0	611.5	528.7	478.4	467.5
42.5°	3817.1	2739.0	576.0	564.2	697.3	760.5	663.8	556.3	432.0	403.4	399.5
45°	3975.9	2733.1	498.1	557.3	712.1	776.2	649.0	477.4	385.7	372.8	373.8
47.5°	4055.8	2668.0	455.7	541.5	718.0	760.5	612.5	444.8	354.1	367.9	379.7
50°	4013.4	2499.4	416.2	510.9	705.2	739.7	554.3	420.2	338.3	395.5	422.2
52.5°	3962.1	2292.2	372.8	463.6	674.7	711.1	531.6	413.3	328.4	381.7	401.4
55°	4030.2	2161.1	301.8	390.6	614.5	644.1	513.9	412.3	305.8	296.9	293.9
57.5°	3934.5	1899.7	216.0	281.1	471.5	509.9	501.1	405.4	271.2	270.3	274.2
60°	3040.9	1158.9	147.9	178.5	289.0	325.5	454.7	387.6	233.8	215.0	216.0
62.5°	1728.1	493.2	101.6	110.5	147.9	175.6	347.2	352.1	216.0	205.2	216.0
65°	601.7	176.6	78.9	74.0	81.9	93.7	199.2	272.2	196.3	177.5	179.5
67.5°	124.3	87.8	70.0	61.2	61.2	61.2	101.6	169.6	161.8	141.0	143.0
70°	78.9	75.0	61.2	52.3	50.3	46.4	58.2	93.7	111.5	102.6	103.6
72.5°	58.2	57.2	48.3	42.4	37.5	33.5	36.5	46.4	57.2	59.2	60.2
75°	35.5	36.5	31.6	26.6	23.7	20.7	21.7	21.7	21.7	19.7	21.7
77.5°	10.8	11.8	9.9	7.9	6.9	6.9	6.9	5.9	4.9	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
82.5°	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
85°	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	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)