

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: P642513

Luminaire Tested: GWS-SA6D-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19371.3 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

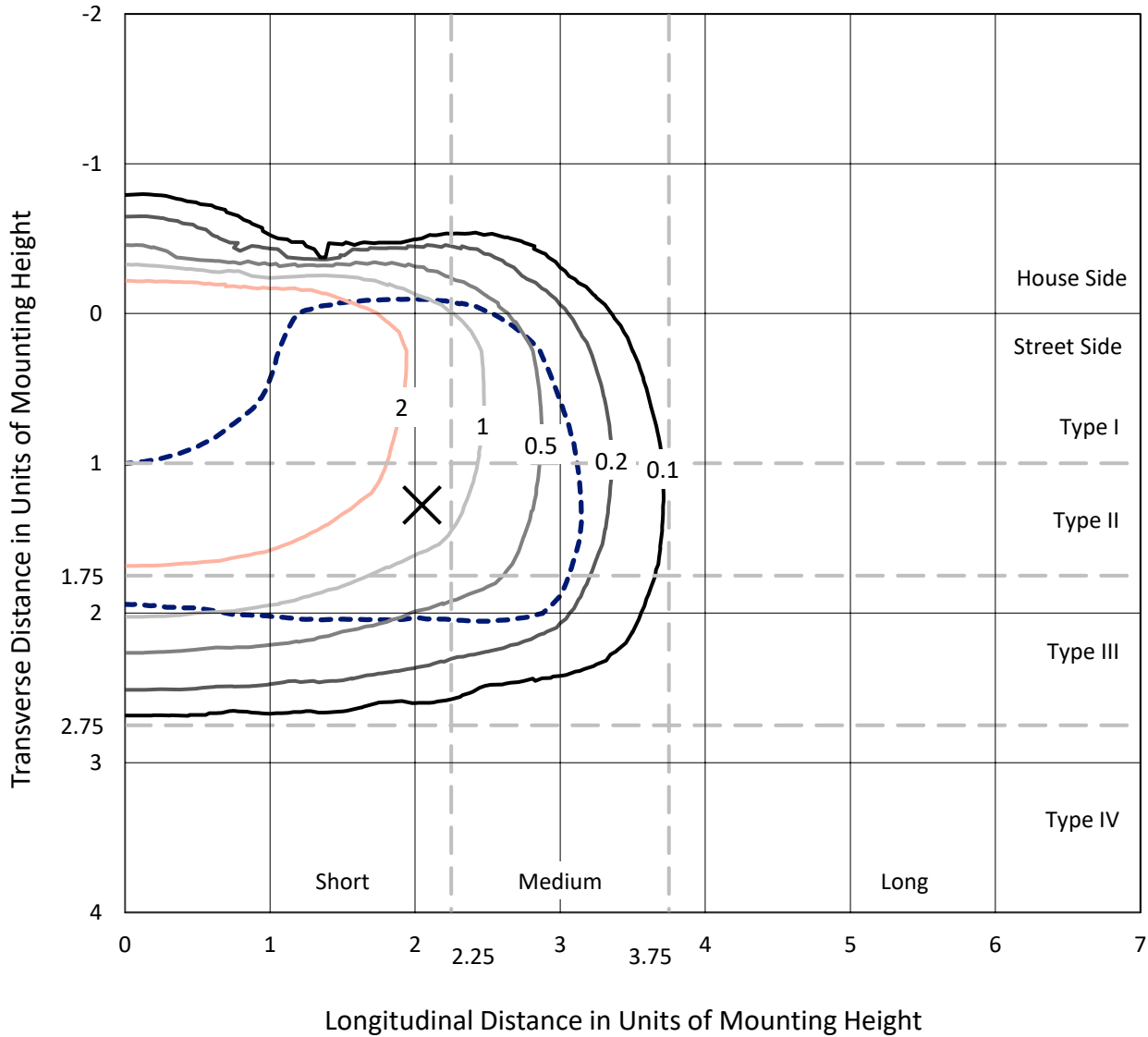
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

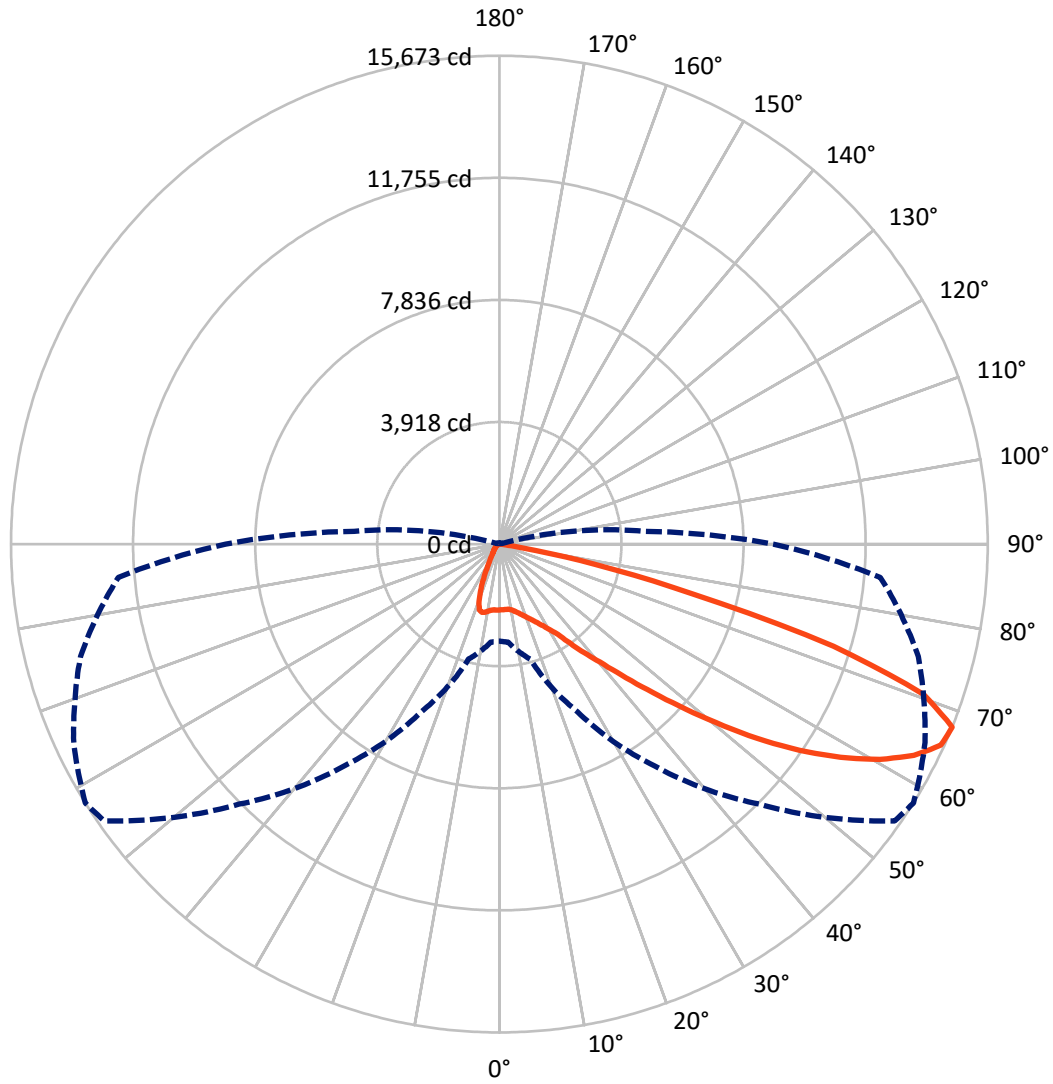
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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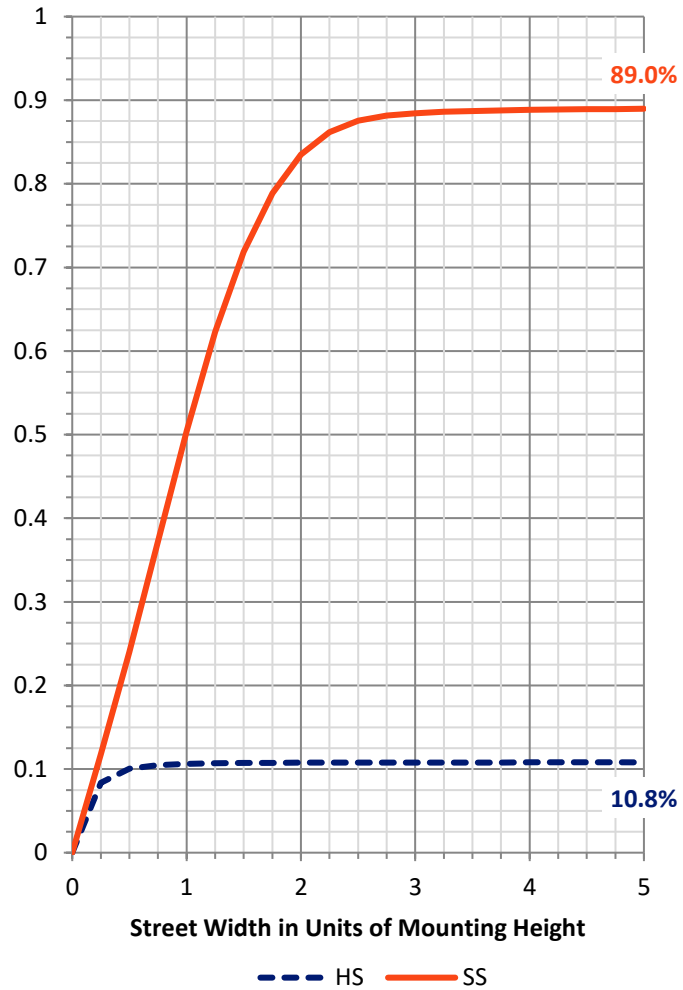
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2113.4	0.0	2113.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	17257.9	0.0	17257.9
	% Fixture	89.1	0.0	89.1
Total	Lumens	19371.3	0.0	19371.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.3	1.0
10°-20°	556.7	2.9
20°-30°	971.8	5.0
30°-40°	1735.5	9.0
40°-50°	3172.3	16.4
50°-60°	5275.8	27.2
60°-70°	5730.4	29.6
70°-80°	1682.5	8.7
80°-90°	47.9	0.2
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°	19371.3	100.0
0°-180°	19371.3	100.0

Coefficient of Utilization

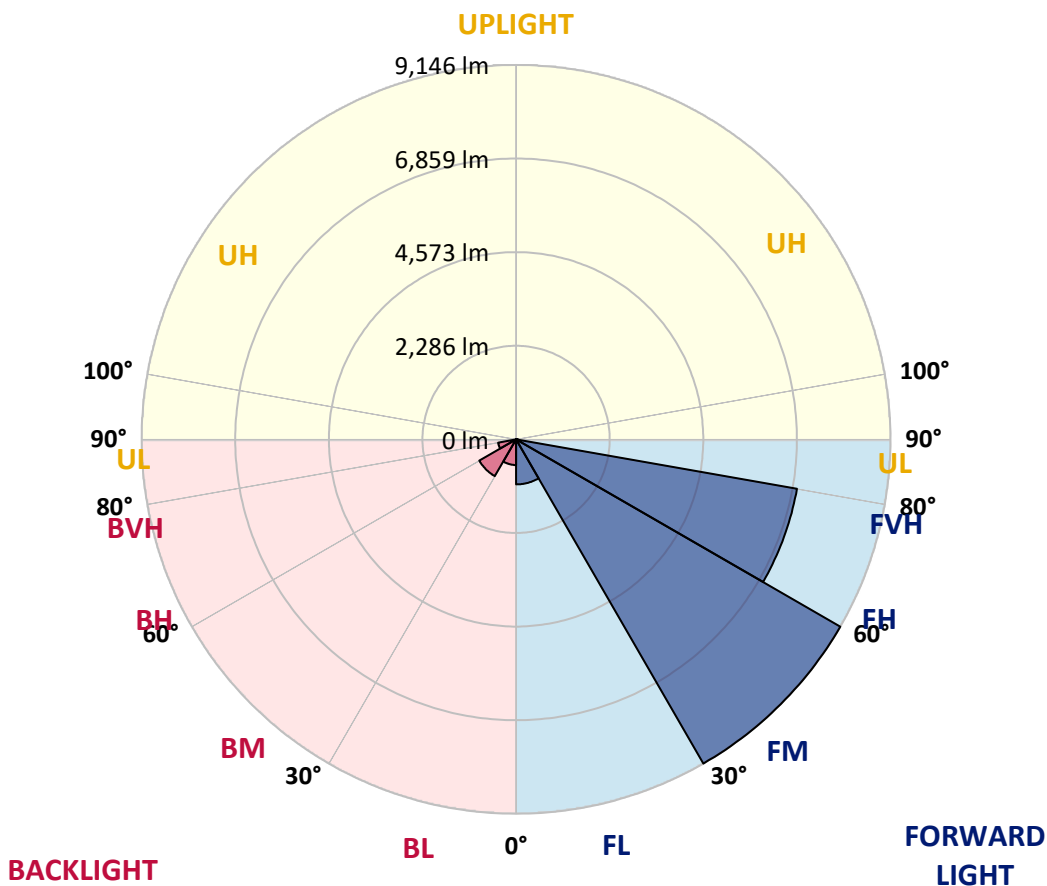


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1100.0	5.7			
FM (30°-60°)	9145.6	47.2			
FH (60°-80°)	6966.8	36.0			G3/7500
FVH (80°-90°)	45.6	0.2			G1/100
BL (0°-30°)	626.9	3.2	B2/1000		
BM (30°-60°)	1038.0	5.4	B2/2500		
BH (60°-80°)	446.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.4	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-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9
2.5°	2071.2	2067.4	2067.4	2082.5	2084.4	2092.0	2109.0	2110.9	2120.4	2116.6	2103.3
5°	1963.4	1965.2	1976.6	2003.1	2025.8	2054.1	2095.8	2105.2	2126.0	2137.4	2129.8
7.5°	1863.1	1865.0	1882.0	1923.6	1967.1	2023.9	2092.0	2110.9	2152.5	2182.8	2184.7
10°	1825.3	1823.4	1840.4	1887.7	1944.4	2023.9	2122.2	2146.8	2209.2	2262.2	2271.7
12.5°	1836.6	1834.7	1851.8	1895.3	1957.7	2057.9	2175.2	2209.2	2288.7	2370.0	2387.0
15°	1882.0	1880.1	1891.5	1927.4	1995.5	2099.5	2243.3	2294.4	2394.6	2493.0	2519.5
17.5°	2018.2	2008.8	1997.4	2001.2	2040.9	2148.7	2330.3	2392.7	2517.6	2634.8	2657.5
20°	2260.3	2235.7	2205.5	2165.7	2146.8	2220.6	2430.6	2502.4	2653.7	2788.0	2791.8
22.5°	2625.4	2615.9	2545.9	2430.6	2349.2	2351.1	2547.8	2631.1	2816.4	2964.0	2943.1
25°	3134.2	3128.5	3020.7	2831.5	2619.7	2547.8	2697.3	2782.4	3009.3	3166.3	3100.1
27.5°	3765.9	3726.2	3599.5	3344.1	3028.3	2803.2	2886.4	2962.1	3213.6	3361.2	3236.3
30°	4316.4	4318.3	4199.1	3932.4	3576.8	3187.1	3117.2	3183.4	3400.9	3556.0	3404.7
32.5°	4846.0	4863.0	4732.5	4492.3	4102.6	3688.4	3448.2	3459.5	3641.1	3809.4	3626.0
35°	5337.8	5351.0	5260.2	5055.9	4692.8	4212.3	3909.7	3904.0	4002.4	4174.5	3934.3
37.5°	5888.2	5901.4	5812.5	5629.0	5288.6	4811.9	4433.6	4426.1	4465.8	4605.8	4331.5
40°	6474.5	6499.1	6400.8	6245.7	5920.3	5517.5	5042.7	4974.6	4934.9	5099.4	4846.0
42.5°	7068.5	7106.3	7072.2	6917.1	6639.1	6306.2	5833.3	5727.4	5642.3	5848.5	5579.9
45°	7806.1	7851.5	7836.4	7717.2	7501.6	7231.1	6784.7	6661.8	6622.1	6813.1	6493.5
47.5°	8515.4	8564.6	8619.5	8593.0	8439.8	8315.0	7819.4	7749.4	7738.0	7942.3	7446.8
50°	9043.2	9088.6	9298.5	9449.8	9553.9	9527.4	9098.0	8994.0	8977.0	9107.5	8453.0
52.5°	9421.5	9465.0	9754.4	10227.2	10609.3	10817.4	10384.2	10361.5	10268.9	10223.5	9395.0
55°	9714.6	9775.2	10079.7	10794.7	11564.5	12026.0	11755.6	11674.2	11435.9	11174.9	10268.9
57.5°	9773.3	9797.9	10227.2	11191.9	12306.0	13053.1	13053.1	12911.3	12451.6	12090.3	11278.9
60°	9247.5	9323.1	9903.8	11159.7	12623.7	13724.6	14129.4	14031.0	13410.6	12966.1	12251.1
62.5°	8080.4	8165.5	8872.9	10389.9	12306.0	13862.7	14944.6	14929.5	14229.6	13690.5	13056.9
65°	6196.5	6258.9	6875.5	8691.4	10963.0	13331.2	15527.2	15568.8	14876.5	14169.1	13334.9
67.5°	3113.4	3156.9	3822.7	5937.4	8689.5	11801.0	15487.4	15672.8	15073.2	13915.6	12273.8
70°	1087.6	1131.1	1445.1	2547.8	5288.6	9011.0	14148.3	14450.9	13917.5	11878.5	9054.5
72.5°	372.6	393.4	599.6	945.7	2057.9	5341.5	10758.7	11214.6	10259.4	7974.5	5203.5
75°	211.8	225.1	321.6	512.6	862.5	1757.2	6103.8	6383.7	5980.9	4346.6	2141.2
77.5°	143.8	155.1	200.5	291.3	476.7	565.6	2489.2	3134.2	2733.2	1418.6	546.6
80°	85.1	92.7	122.9	172.1	244.0	219.4	533.4	709.3	913.6	423.7	164.6
82.5°	39.7	45.4	79.4	113.5	122.9	92.7	157.0	191.0	257.2	208.1	68.1
85°	0.0	0.0	26.5	47.3	45.4	26.5	43.5	47.3	70.0	104.0	26.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	11.3	20.8	11.3
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°	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9	2110.9
2.5°	2118.5	2105.2	2120.4	2112.8	2120.4	2118.5	2103.3	2093.9	2093.9	2076.8	2071.2
5°	2144.9	2131.7	2135.5	2118.5	2114.7	2105.2	2086.3	2078.7	2078.7	2061.7	2056.0
7.5°	2203.6	2182.8	2179.0	2144.9	2129.8	2103.3	2069.3	2056.0	2054.1	2037.1	2031.5
10°	2296.3	2271.7	2254.6	2211.1	2167.6	2114.7	2042.8	1982.3	1948.2	1902.8	1899.0
12.5°	2409.7	2379.5	2353.0	2286.8	2214.9	2095.8	1883.9	1662.6	1526.4	1418.6	1426.2
15°	2536.5	2508.1	2466.5	2366.2	2218.7	1908.5	1465.9	1125.4	959.0	870.1	866.3
17.5°	2674.6	2632.9	2564.8	2428.7	2099.5	1458.3	953.3	673.4	586.4	556.1	548.5
20°	2803.2	2752.1	2667.0	2441.9	1755.3	987.4	595.8	522.0	506.9	497.5	497.5
22.5°	2939.4	2875.1	2748.3	2339.8	1305.1	631.8	506.9	489.9	478.5	465.3	463.4
25°	3077.4	2994.2	2822.1	2073.1	854.9	497.5	474.8	455.8	435.0	414.2	408.6
27.5°	3194.7	3086.9	2878.8	1675.9	548.5	448.3	433.1	401.0	372.6	349.9	346.1
30°	3334.7	3196.6	2903.4	1225.7	431.3	395.3	372.6	338.6	304.5	281.8	274.3
32.5°	3521.9	3370.6	2865.6	798.2	382.1	348.0	312.1	272.4	238.3	213.7	210.0
35°	3813.2	3633.5	2691.6	508.8	346.1	300.7	257.2	215.6	187.3	168.3	164.6
37.5°	4168.8	4002.4	2406.0	382.1	310.2	261.0	210.0	170.2	149.4	136.2	132.4
40°	4696.5	4463.9	2052.3	334.8	274.3	221.3	172.1	140.0	124.8	113.5	109.7
42.5°	5381.3	5008.6	1645.6	304.5	240.2	185.4	140.0	115.4	102.1	94.6	92.7
45°	6181.4	5540.1	1216.2	274.3	208.1	153.2	115.4	94.6	85.1	79.4	77.6
47.5°	7000.4	6005.5	839.8	242.1	177.8	126.7	96.5	81.3	73.8	66.2	64.3
50°	7874.2	6398.9	573.1	210.0	151.3	104.0	83.2	73.8	64.3	58.6	56.7
52.5°	8515.4	6544.5	399.1	181.6	128.6	88.9	73.8	66.2	58.6	51.1	49.2
55°	9107.5	6540.7	302.6	153.2	109.7	77.6	66.2	58.6	51.1	45.4	43.5
57.5°	9697.6	6489.7	238.3	130.5	94.6	70.0	58.6	51.1	47.3	39.7	37.8
60°	10079.7	6296.7	185.4	109.7	81.3	60.5	51.1	45.4	39.7	34.0	32.2
62.5°	10282.1	6028.2	141.9	87.0	66.2	53.0	45.4	39.7	34.0	28.4	26.5
65°	10007.8	5551.5	111.6	68.1	51.1	45.4	37.8	32.2	26.5	20.8	18.9
67.5°	8791.6	4681.4	87.0	54.9	39.7	34.0	32.2	26.5	18.9	15.1	13.2
70°	6213.5	3206.1	68.1	41.6	30.3	26.5	24.6	20.8	15.1	11.3	9.5
72.5°	3410.3	1617.2	49.2	30.3	22.7	20.8	18.9	17.0	13.2	9.5	9.5
75°	1312.7	444.5	35.9	20.8	15.1	15.1	13.2	13.2	11.3	7.6	7.6
77.5°	342.4	132.4	22.7	13.2	9.5	9.5	9.5	7.6	7.6	5.7	5.7
80°	109.7	43.5	13.2	9.5	7.6	5.7	5.7	3.8	5.7	3.8	3.8
82.5°	35.9	15.1	7.6	7.6	5.7	3.8	3.8	1.9	1.9	0.0	0.0
85°	13.2	7.6	5.7	3.8	3.8	3.8	1.9	0.0	0.0	0.0	0.0
87.5°	7.6	3.8	3.8	3.8	3.8	1.9	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)