

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: P642016

Luminaire Tested: GWS-SA6C-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12915.5 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

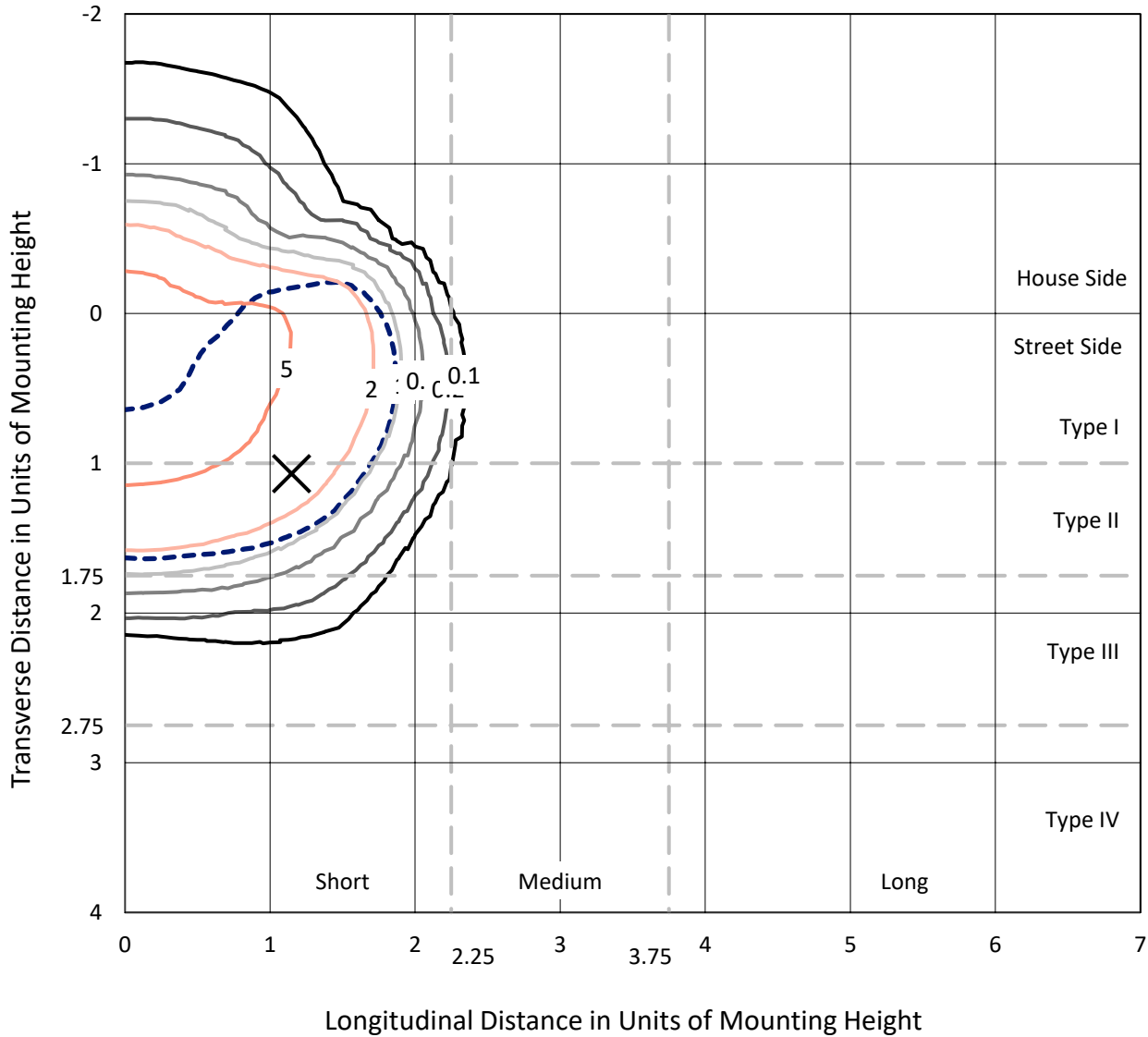
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

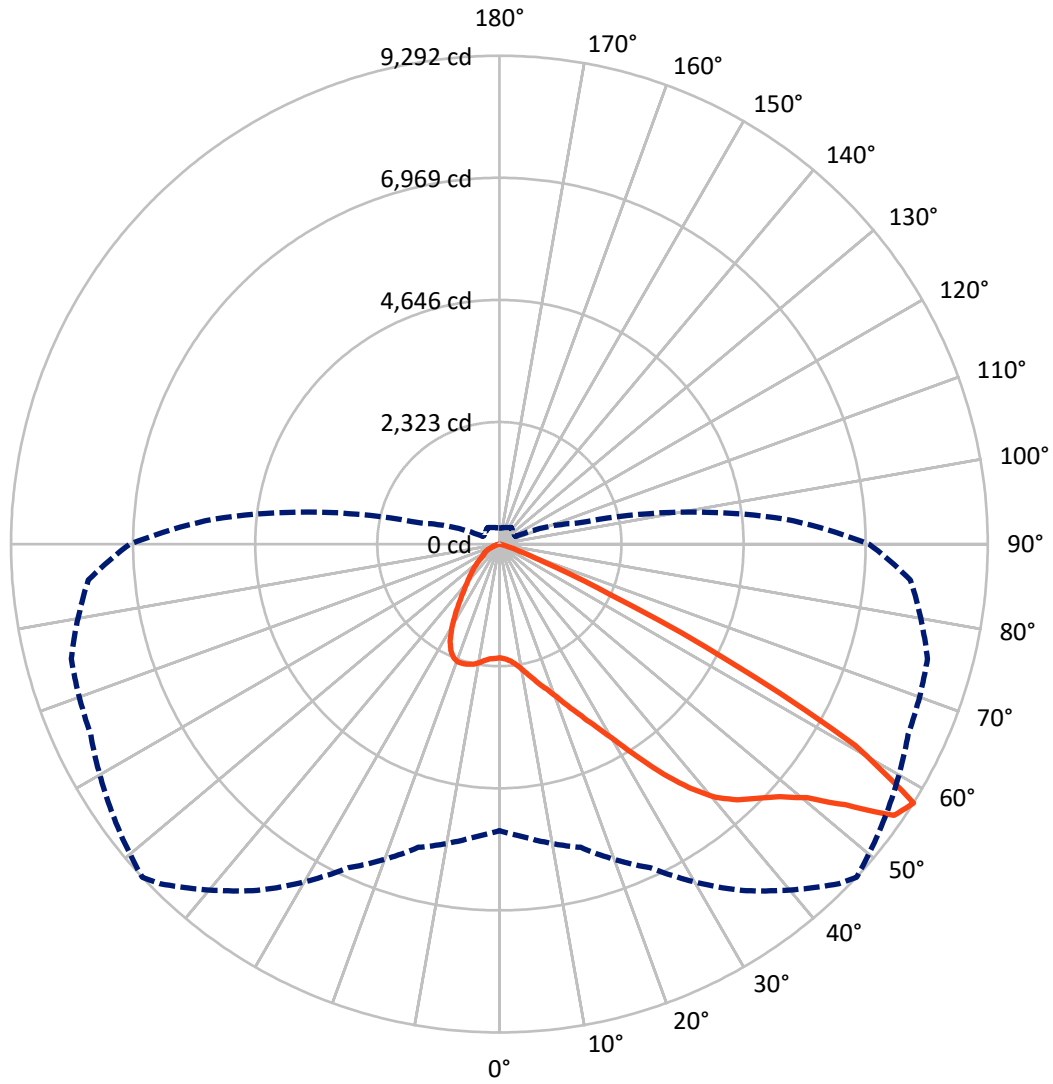
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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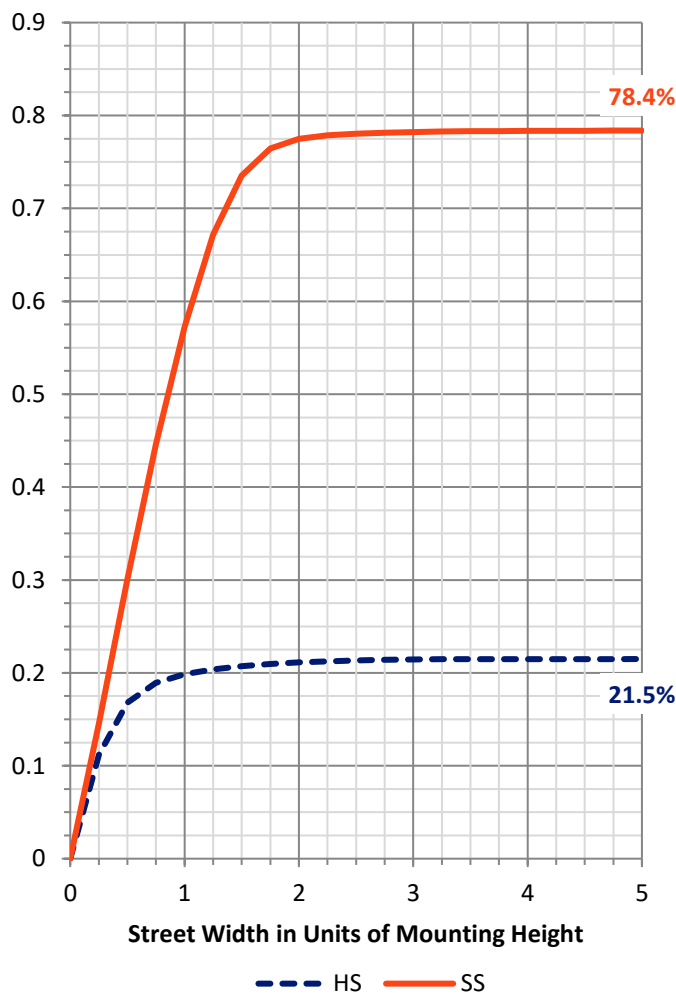
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2802.0	0.0	2802.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	10113.5	0.0	10113.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	12915.5	0.0	12915.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.1	1.7
10°-20°	725.8	5.6
20°-30°	1347.6	10.4
30°-40°	2157.3	16.7
40°-50°	3153.5	24.4
50°-60°	3892.0	30.1
60°-70°	1300.5	10.1
70°-80°	121.2	0.9
80°-90°	2.5	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°	12915.5	100.0
0°-180°	12915.5	100.0

Coefficient of Utilization



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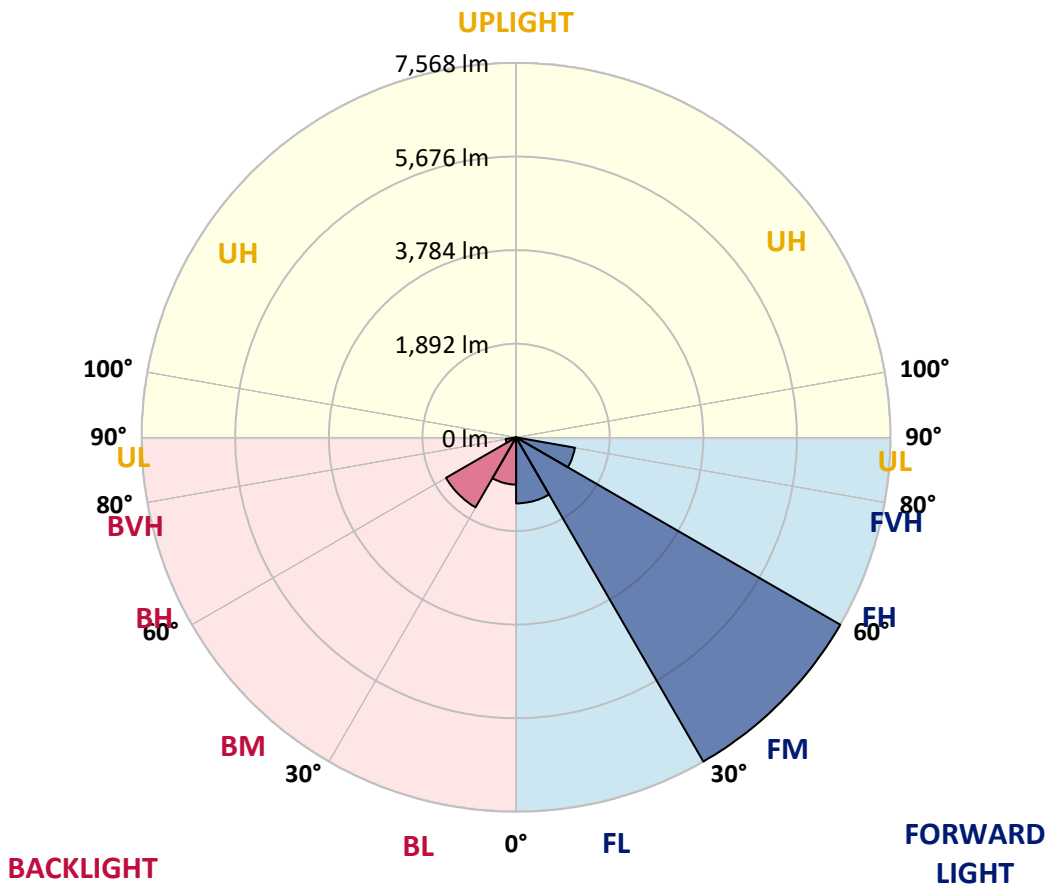
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1334.8	10.3			
FM (30°-60°)	7568.4	58.6			
FH (60°-80°)	1208.6	9.4			G1/1800
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	953.8	7.4	B2/1000		
BM (30°-60°)	1634.4	12.7	B2/2500		
BH (60°-80°)	213.0	1.6	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°	45°	47°	55°	65°	75°	85°
0°	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1
2.5°	2184.6	2183.1	2181.6	2190.6	2187.6	2186.1	2189.1	2189.1	2189.1	2180.1	2162.1
5°	2237.0	2237.0	2235.5	2244.5	2237.0	2232.5	2234.0	2234.0	2228.0	2211.5	2189.1
7.5°	2319.5	2316.5	2313.5	2322.5	2315.0	2313.5	2316.5	2307.5	2297.0	2270.0	2238.5
10°	2437.9	2437.9	2433.5	2442.4	2436.5	2433.5	2433.5	2427.5	2408.0	2366.0	2319.5
12.5°	2601.4	2593.9	2583.4	2575.9	2572.9	2571.4	2572.9	2563.9	2542.9	2488.9	2424.5
15°	2779.8	2773.8	2757.3	2745.3	2728.8	2725.8	2734.8	2727.3	2706.3	2632.9	2541.4
17.5°	3004.7	3012.2	2970.2	2944.7	2896.8	2893.8	2896.8	2908.7	2893.8	2799.3	2665.9
20°	3196.6	3202.6	3171.1	3153.1	3109.7	3090.2	3096.2	3115.7	3099.2	2988.2	2802.3
22.5°	3402.0	3409.5	3376.5	3339.1	3319.6	3319.6	3342.1	3369.0	3346.6	3201.1	2958.2
25°	3647.9	3653.9	3626.9	3577.5	3543.0	3586.5	3619.4	3691.4	3653.9	3456.0	3142.6
27.5°	3929.8	3931.3	3892.3	3841.3	3823.4	3904.3	3937.3	4048.3	4033.3	3742.4	3337.6
30°	4231.2	4232.7	4223.7	4189.2	4172.7	4279.2	4324.1	4484.6	4474.1	4097.7	3602.9
32.5°	4544.5	4544.5	4561.0	4558.0	4577.5	4751.5	4823.4	5006.3	4995.8	4532.5	3932.8
35°	4859.4	4860.9	4889.4	4961.4	5042.3	5273.2	5367.7	5589.6	5565.6	5052.8	4354.1
37.5°	5217.8	5202.8	5241.7	5349.7	5529.6	5796.5	5886.5	6097.9	6070.9	5585.1	4904.4
40°	5649.6	5622.6	5622.6	5748.5	5952.4	6259.8	6336.3	6441.2	6349.8	6015.4	5444.2
42.5°	6126.4	6100.9	6067.9	6178.8	6349.8	6589.7	6652.6	6624.1	6549.2	6421.7	6058.9
45°	6609.2	6570.2	6592.7	6660.1	6759.1	6873.0	6897.0	6765.1	6730.6	6766.6	6567.2
47.5°	6976.5	6949.5	7005.0	7099.4	7180.4	7196.9	7180.4	6997.5	6994.5	7121.9	6919.5
50°	7099.4	7102.4	7255.4	7462.3	7592.7	7606.2	7583.7	7373.8	7345.3	7382.8	7109.9
52.5°	7111.4	7123.4	7346.8	7741.2	8096.5	8258.4	8240.5	8014.0	7735.2	7694.7	7397.8
55°	6822.1	6892.5	7204.4	7780.1	8535.8	9053.1	9113.1	8679.8	8265.9	8231.5	8017.0
57.5°	5453.2	5597.1	5973.4	6793.6	8045.5	9135.6	9291.5	8979.6	8579.3	8432.4	7850.6
60°	3259.6	3438.0	3799.4	4805.4	6123.4	7508.8	7777.1	7820.6	7636.2	7211.9	6022.9
62.5°	1398.9	1383.9	1829.2	2599.9	3641.9	4772.4	4893.9	5082.8	5243.2	4799.4	3655.4
65°	479.8	521.8	725.7	1172.5	1823.2	2216.0	2324.0	2493.4	2721.3	2246.0	1338.9
67.5°	296.9	314.9	418.3	692.7	983.6	968.6	920.6	893.6	869.6	595.2	367.3
70°	215.9	230.9	293.9	476.8	661.2	464.8	403.3	326.9	362.8	334.4	260.9
72.5°	145.4	157.4	202.4	289.4	338.9	226.4	209.9	238.4	287.9	274.4	212.9
75°	87.0	94.5	115.5	140.9	137.9	116.9	118.4	167.9	220.4	205.4	151.4
77.5°	60.0	63.0	76.5	91.5	67.5	36.0	33.0	46.5	75.0	75.0	51.0
80°	15.0	19.5	19.5	12.0	10.5	9.0	9.0	13.5	21.0	15.0	7.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0
85°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
87.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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°	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1
2.5°	2172.6	2154.6	2166.6	2163.6	2172.6	2175.6	2162.1	2159.1	2160.6	2142.6	2136.6
5°	2193.6	2172.6	2178.6	2172.6	2183.1	2192.1	2187.6	2193.6	2201.1	2187.6	2181.6
7.5°	2238.5	2217.5	2216.0	2207.0	2222.0	2228.0	2226.5	2243.0	2258.0	2249.0	2240.0
10°	2316.5	2288.0	2285.0	2277.5	2282.0	2286.5	2270.0	2273.0	2286.5	2276.0	2271.5
12.5°	2412.5	2378.0	2370.5	2352.5	2352.5	2330.0	2294.0	2286.5	2297.0	2289.5	2282.0
15°	2515.9	2469.4	2457.4	2426.0	2396.0	2354.0	2316.5	2307.5	2315.0	2306.0	2300.0
17.5°	2631.4	2578.9	2539.9	2484.4	2418.5	2369.0	2327.0	2307.5	2295.5	2277.5	2276.0
20°	2745.3	2676.3	2610.4	2521.9	2435.0	2360.0	2291.0	2240.0	2196.6	2169.6	2159.1
22.5°	2877.3	2775.3	2668.9	2544.4	2420.0	2306.0	2184.6	2097.6	2022.6	1997.1	1985.1
25°	3018.2	2886.3	2727.3	2565.4	2369.0	2186.1	2021.1	1892.2	1793.2	1760.2	1746.7
27.5°	3174.1	2992.7	2787.3	2560.9	2264.0	2015.1	1796.2	1635.8	1538.3	1508.4	1518.8
30°	3372.0	3130.7	2862.3	2514.4	2106.6	1775.2	1518.8	1383.9	1310.4	1281.9	1283.4
32.5°	3635.9	3328.6	2971.7	2415.5	1904.2	1502.4	1277.4	1178.5	1129.0	1091.5	1088.5
35°	4013.8	3629.9	3073.7	2256.5	1658.3	1259.5	1096.0	1018.1	949.1	905.6	913.1
37.5°	4466.6	4009.3	3129.2	2042.1	1382.4	1070.5	959.6	880.1	802.2	737.7	745.2
40°	5003.3	4505.6	3124.7	1760.2	1130.5	941.6	845.6	752.7	655.2	596.7	602.7
42.5°	5601.6	4974.9	3027.2	1461.9	937.1	836.6	736.2	619.2	524.8	488.8	490.3
45°	6120.4	5355.7	2856.3	1153.0	788.7	734.7	622.2	502.3	460.3	434.8	433.3
47.5°	6504.2	5634.6	2611.9	907.1	668.7	641.7	511.3	449.8	416.8	395.8	392.8
50°	6718.6	5732.0	2342.0	710.7	565.3	544.3	457.3	407.8	385.3	371.8	368.8
52.5°	7006.5	5849.0	2148.6	560.8	473.8	445.3	421.3	379.3	364.3	353.8	349.3
55°	7462.3	6075.4	1980.6	445.3	394.3	388.3	397.3	362.8	353.8	337.4	331.4
57.5°	7033.5	5457.6	1538.3	344.9	332.9	355.3	383.8	346.4	323.9	308.9	302.9
60°	4949.4	3628.4	773.7	277.4	296.9	332.9	361.3	313.4	290.9	293.9	290.9
62.5°	2728.8	1815.7	347.9	232.4	257.9	293.9	308.9	271.4	256.4	281.9	286.4
65°	892.1	617.7	200.9	179.9	203.9	239.9	266.9	257.9	254.9	284.9	293.9
67.5°	274.4	203.9	136.4	128.9	140.9	176.9	224.9	278.9	299.9	308.9	313.4
70°	205.4	160.4	116.9	109.5	115.5	134.9	190.4	232.4	218.9	220.4	217.4
72.5°	164.9	127.4	100.5	96.0	96.0	93.0	100.5	125.9	142.4	149.9	149.9
75°	115.5	90.0	76.5	70.5	55.5	45.0	40.5	40.5	36.0	34.5	33.0
77.5°	39.0	33.0	30.0	24.0	16.5	13.5	12.0	10.5	7.5	4.5	3.0
80°	6.0	4.5	3.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
82.5°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
85°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	1.5	1.5	1.5	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)