

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: P635312

Luminaire Tested: GWS-SA3D-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13776.2 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

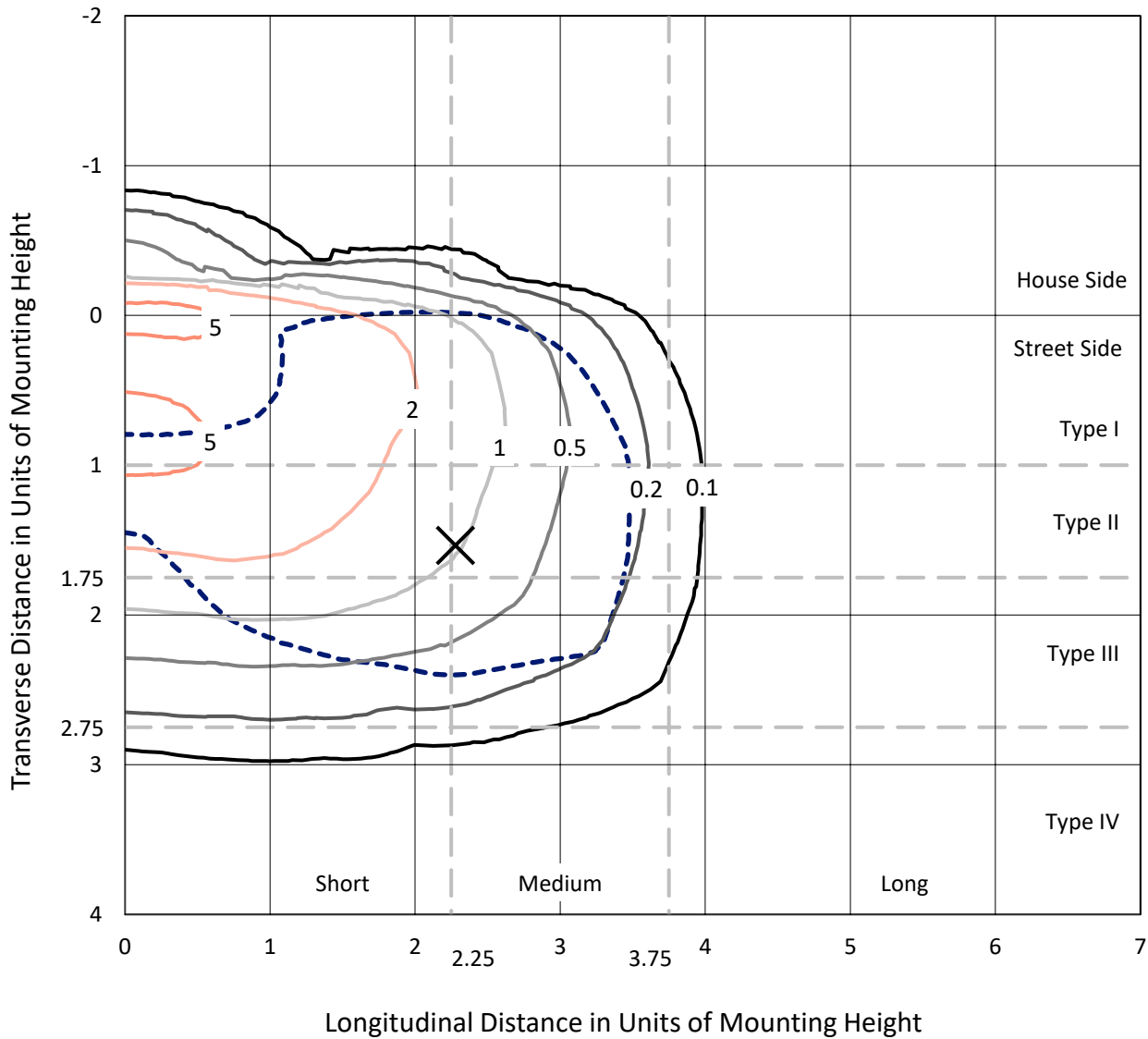
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

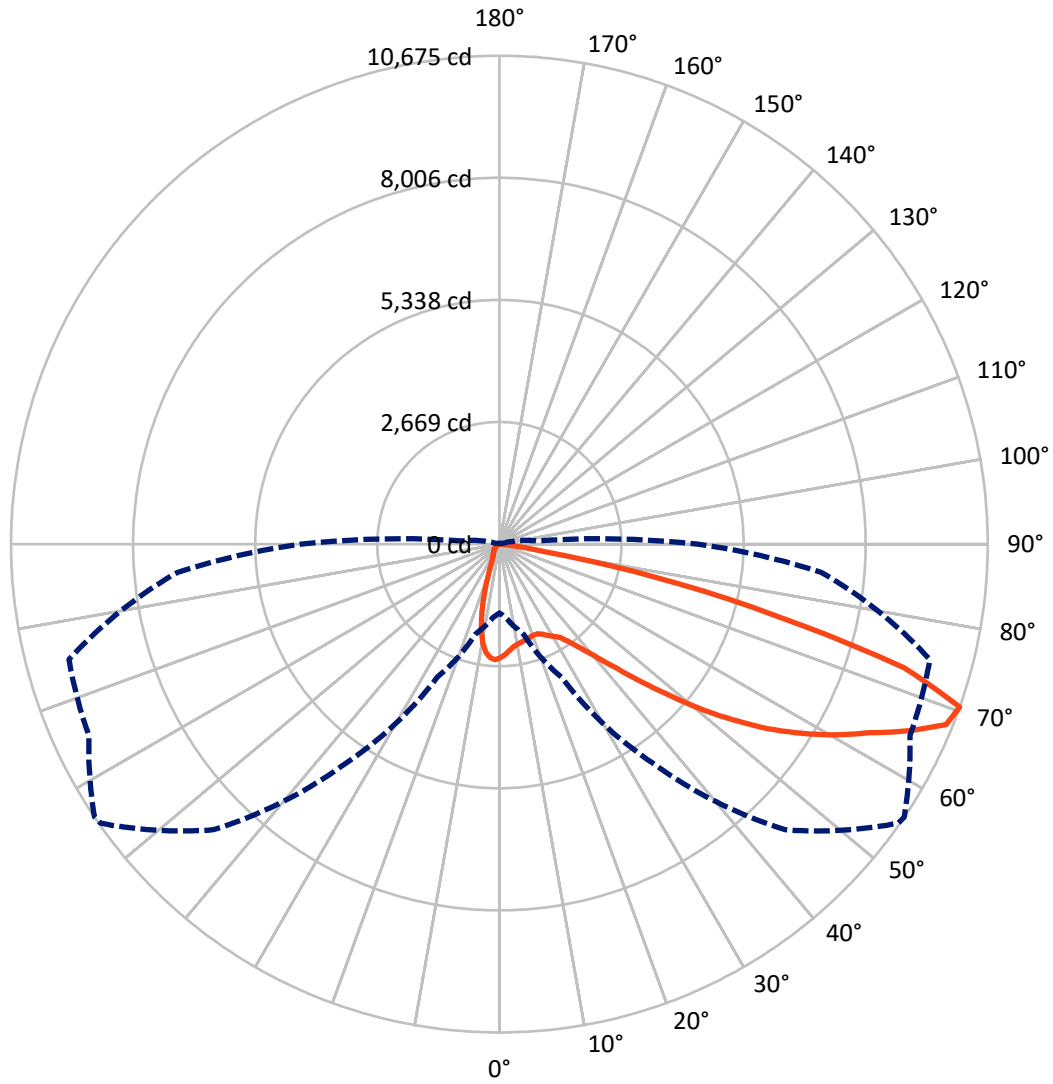
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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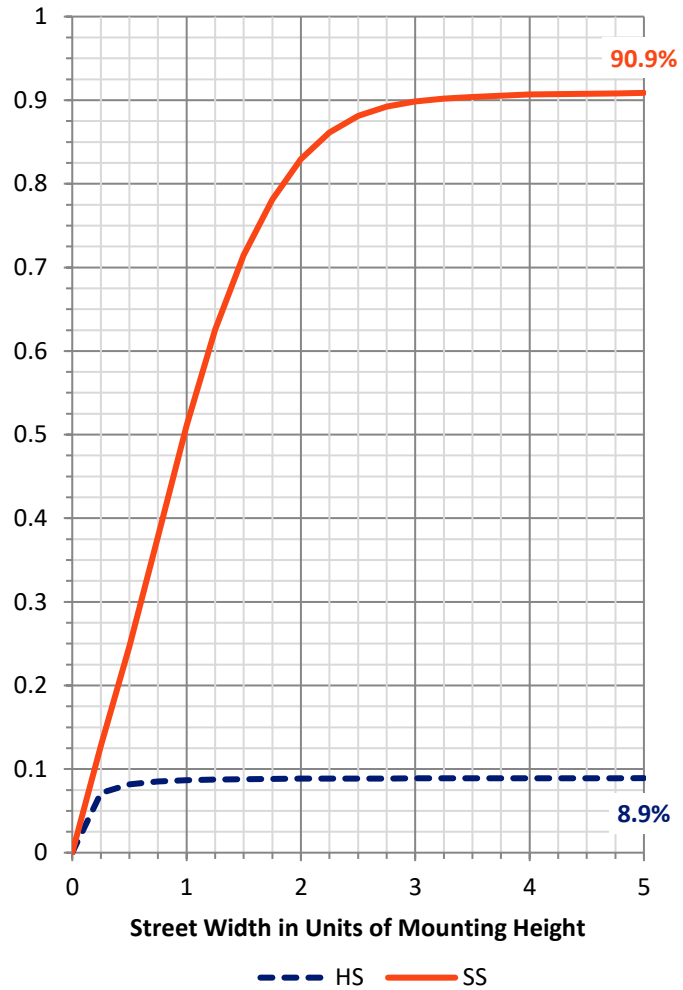
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.4	0.0	1237.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	12538.8	0.0	12538.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	13776.2	0.0	13776.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.3	1.5
10°-20°	479.7	3.5
20°-30°	759.8	5.5
30°-40°	1310.3	9.5
40°-50°	2212.6	16.1
50°-60°	3251.0	23.6
60°-70°	3854.3	28.0
70°-80°	1643.6	11.9
80°-90°	51.6	0.4
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°	13776.2	100.0
0°-180°	13776.2	100.0

Coefficient of Utilization



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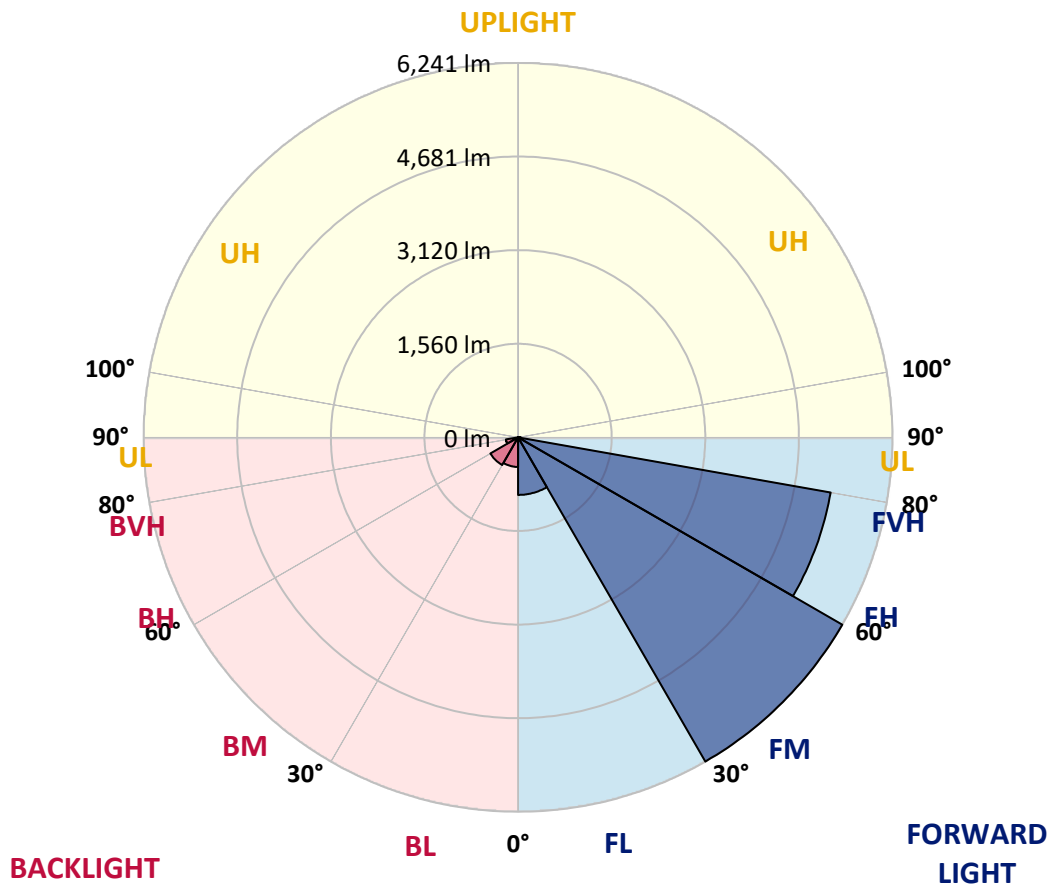
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	959.9	7.0			
FM (30°-60°)	6241.0	45.3			
FH (60°-80°)	5291.5	38.4			G3/7500
FVH (80°-90°)	46.4	0.3			G1/100
BL (0°-30°)	492.8	3.6	B1/500		
BM (30°-60°)	532.9	3.9	B1/1000		
BH (60°-80°)	206.4	1.5	B1/500		G1/500
BVH (80°-90°)	5.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0
2.5°	2312.4	2308.6	2311.2	2330.1	2365.4	2381.8	2409.6	2414.6	2437.3	2466.3	2477.7
5°	2162.3	2149.7	2156.0	2182.5	2222.8	2268.3	2320.0	2333.9	2390.6	2455.0	2502.9
7.5°	2024.8	2010.9	2026.0	2067.7	2124.4	2173.6	2250.6	2259.4	2350.3	2463.8	2550.8
10°	1809.1	1812.8	1843.1	1916.3	2003.3	2105.5	2209.0	2221.6	2333.9	2492.8	2627.8
12.5°	1643.8	1635.0	1667.8	1751.0	1873.4	2022.3	2177.4	2193.8	2335.1	2537.0	2726.2
15°	1566.8	1564.3	1578.2	1638.8	1757.3	1932.7	2148.4	2169.9	2351.5	2577.3	2819.6
17.5°	1569.4	1565.6	1564.3	1599.6	1688.0	1865.8	2116.9	2144.6	2365.4	2621.5	2918.0
20°	1679.1	1661.5	1629.9	1613.5	1666.5	1822.9	2095.4	2127.0	2385.6	2668.2	3022.7
22.5°	1908.7	1915.0	1830.5	1742.2	1717.0	1828.0	2092.9	2129.5	2429.7	2741.3	3151.3
25°	2367.9	2357.8	2201.4	2003.3	1865.8	1886.0	2137.1	2181.2	2516.8	2846.1	3272.5
27.5°	2943.2	2952.0	2737.6	2422.2	2134.5	2005.9	2217.8	2262.0	2617.7	2911.7	3353.2
30°	3570.2	3561.3	3331.7	2982.3	2515.5	2205.2	2298.5	2337.6	2668.2	2947.0	3436.5
32.5°	4163.1	4142.9	3915.8	3550.0	3001.2	2519.3	2409.6	2432.3	2735.0	3023.9	3548.7
35°	4669.0	4667.7	4469.7	4079.8	3500.8	2912.9	2600.0	2619.0	2859.9	3146.3	3714.0
37.5°	5191.3	5173.6	4951.6	4595.8	4014.2	3344.4	2891.5	2883.9	3056.7	3326.7	3917.1
40°	5620.2	5608.8	5438.5	5096.7	4547.9	3821.2	3244.7	3222.0	3290.1	3576.5	4199.7
42.5°	5938.1	5939.4	5886.4	5678.2	5113.1	4372.5	3688.8	3653.4	3652.2	3953.7	4573.1
45°	6179.1	6195.5	6274.9	6243.4	5780.4	5014.7	4257.7	4221.1	4159.3	4443.2	5000.8
47.5°	6291.3	6312.8	6552.5	6678.6	6364.5	5651.7	4935.2	4858.2	4737.1	5094.1	5478.9
50°	6280.0	6317.8	6652.1	7035.7	6894.4	6297.6	5673.2	5636.6	5438.5	5782.9	5952.0
52.5°	6022.6	6103.4	6658.4	7252.6	7301.8	6893.1	6436.4	6368.3	6272.4	6502.0	6396.0
55°	5323.7	5422.1	6392.3	7322.0	7619.7	7412.9	7183.3	7127.7	6968.8	7180.7	6783.3
57.5°	4944.0	5028.5	5832.1	7288.0	7889.7	7893.5	7848.1	7802.7	7671.5	7851.9	7237.5
60°	4715.7	4800.2	5533.1	7163.1	8134.5	8400.6	8472.6	8467.5	8278.3	8615.1	7769.9
62.5°	4381.4	4497.4	5221.5	6838.9	8308.6	8900.2	9117.2	9083.1	8872.5	9409.9	8297.2
65°	3706.4	3807.4	4583.2	6304.0	8206.4	9314.0	9816.1	9833.8	9590.3	10158.0	8713.5
67.5°	2598.8	2673.2	3444.0	5181.2	7512.5	9450.3	10531.4	10530.1	10115.1	10541.5	8529.3
70°	1506.3	1608.5	2034.9	3203.1	5844.8	8830.8	10638.6	10675.2	9901.9	9740.4	7058.4
72.5°	582.8	667.4	1153.1	1701.8	3047.9	6764.4	9151.3	9258.5	8287.1	7513.8	4912.5
75°	174.1	194.3	542.5	905.8	1223.7	3267.4	6195.5	6225.7	5684.5	4686.6	2518.0
77.5°	129.9	143.8	237.2	457.9	428.9	990.3	3205.6	3500.8	3017.6	1674.1	693.9
80°	88.3	104.7	169.0	223.3	159.0	263.7	900.7	989.1	920.9	375.9	174.1
82.5°	39.1	50.5	119.8	112.3	58.0	75.7	277.5	295.2	190.5	113.5	60.6
85°	3.8	5.0	45.4	49.2	21.4	17.7	58.0	58.0	41.6	39.1	25.2
87.5°	0.0	0.0	1.3	2.5	2.5	3.8	5.0	6.3	7.6	10.1	12.6
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°	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0
2.5°	2506.7	2491.6	2510.5	2525.6	2529.4	2501.6	2485.2	2461.3	2456.2	2457.5	2451.2
5°	2540.8	2533.2	2547.1	2530.7	2487.8	2407.0	2337.6	2260.7	2219.1	2195.1	2192.6
7.5°	2603.8	2600.0	2584.9	2510.5	2376.8	2197.6	2024.8	1855.7	1751.0	1713.2	1706.9
10°	2697.2	2689.6	2627.8	2451.2	2166.1	1821.7	1531.5	1289.3	1141.7	1098.8	1045.8
12.5°	2804.4	2789.3	2654.3	2323.8	1848.2	1371.3	1009.2	738.0	610.6	572.7	572.7
15°	2907.9	2875.1	2639.2	2113.1	1457.1	891.9	563.9	426.4	387.3	377.2	377.2
17.5°	3013.8	2950.8	2579.9	1825.5	1006.7	527.3	375.9	349.4	344.4	345.7	346.9
20°	3113.5	3015.1	2475.2	1479.8	642.1	368.4	336.8	330.5	328.0	330.5	329.3
22.5°	3222.0	3074.4	2316.2	1102.6	417.6	331.8	320.4	315.4	312.9	316.6	316.6
25°	3329.2	3117.3	2105.5	741.8	331.8	309.1	302.8	297.7	295.2	296.5	296.5
27.5°	3384.7	3100.9	1829.2	473.1	297.7	286.4	280.1	273.8	270.0	268.7	270.0
30°	3422.6	3050.4	1491.1	336.8	270.0	256.1	249.8	244.7	234.6	228.3	230.9
32.5°	3481.9	3000.0	1124.0	282.6	247.3	225.8	215.7	203.1	189.2	182.9	182.9
35°	3552.5	2930.6	788.5	254.8	223.3	200.6	181.7	160.2	143.8	138.8	138.8
37.5°	3645.9	2865.0	524.8	235.9	203.1	179.1	152.6	127.4	109.8	107.2	106.0
40°	3785.9	2809.5	369.6	222.0	185.4	156.4	124.9	98.4	85.8	82.0	82.0
42.5°	3967.6	2752.7	292.7	208.2	170.3	135.0	99.7	78.2	68.1	65.6	64.3
45°	4192.1	2685.8	254.8	195.5	155.2	112.3	79.5	65.6	58.0	55.5	55.5
47.5°	4435.6	2595.0	237.2	179.1	137.5	90.8	66.9	56.8	53.0	51.7	50.5
50°	4675.3	2472.6	222.0	164.0	117.3	74.4	58.0	51.7	49.2	47.9	47.9
52.5°	4884.7	2330.1	203.1	146.3	95.9	64.3	51.7	47.9	45.4	42.9	41.6
55°	5063.9	2174.9	179.1	126.2	78.2	56.8	47.9	44.2	41.6	39.1	37.8
57.5°	5294.7	2086.6	143.8	102.2	64.3	50.5	44.2	40.4	37.8	34.1	34.1
60°	5550.8	2022.3	107.2	80.7	55.5	46.7	40.4	36.6	34.1	30.3	30.3
62.5°	5756.4	1926.4	84.5	65.6	47.9	41.6	36.6	32.8	30.3	26.5	26.5
65°	5834.7	1728.3	69.4	51.7	39.1	36.6	32.8	30.3	26.5	22.7	22.7
67.5°	5481.4	1332.2	58.0	41.6	32.8	31.5	29.0	27.8	22.7	20.2	18.9
70°	4341.0	812.4	47.9	34.1	27.8	26.5	26.5	24.0	20.2	18.9	17.7
72.5°	2974.7	418.8	39.1	27.8	24.0	24.0	22.7	21.4	18.9	17.7	17.7
75°	1545.4	140.0	30.3	21.4	18.9	20.2	20.2	18.9	17.7	17.7	16.4
77.5°	442.8	63.1	22.7	16.4	15.1	15.1	16.4	16.4	16.4	15.1	15.1
80°	114.8	36.6	16.4	12.6	12.6	12.6	12.6	13.9	15.1	13.9	13.9
82.5°	46.7	20.2	11.4	10.1	10.1	10.1	10.1	11.4	12.6	12.6	12.6
85°	29.0	10.1	8.8	8.8	8.8	7.6	7.6	8.8	8.8	10.1	10.1
87.5°	17.7	7.6	7.6	7.6	7.6	6.3	6.3	6.3	6.3	6.3	6.3
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)