

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: P635422

Luminaire Tested: GWS-SA3D-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635422
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13898.8 lumens
Efficiency: N/A
Efficacy: 115.1 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

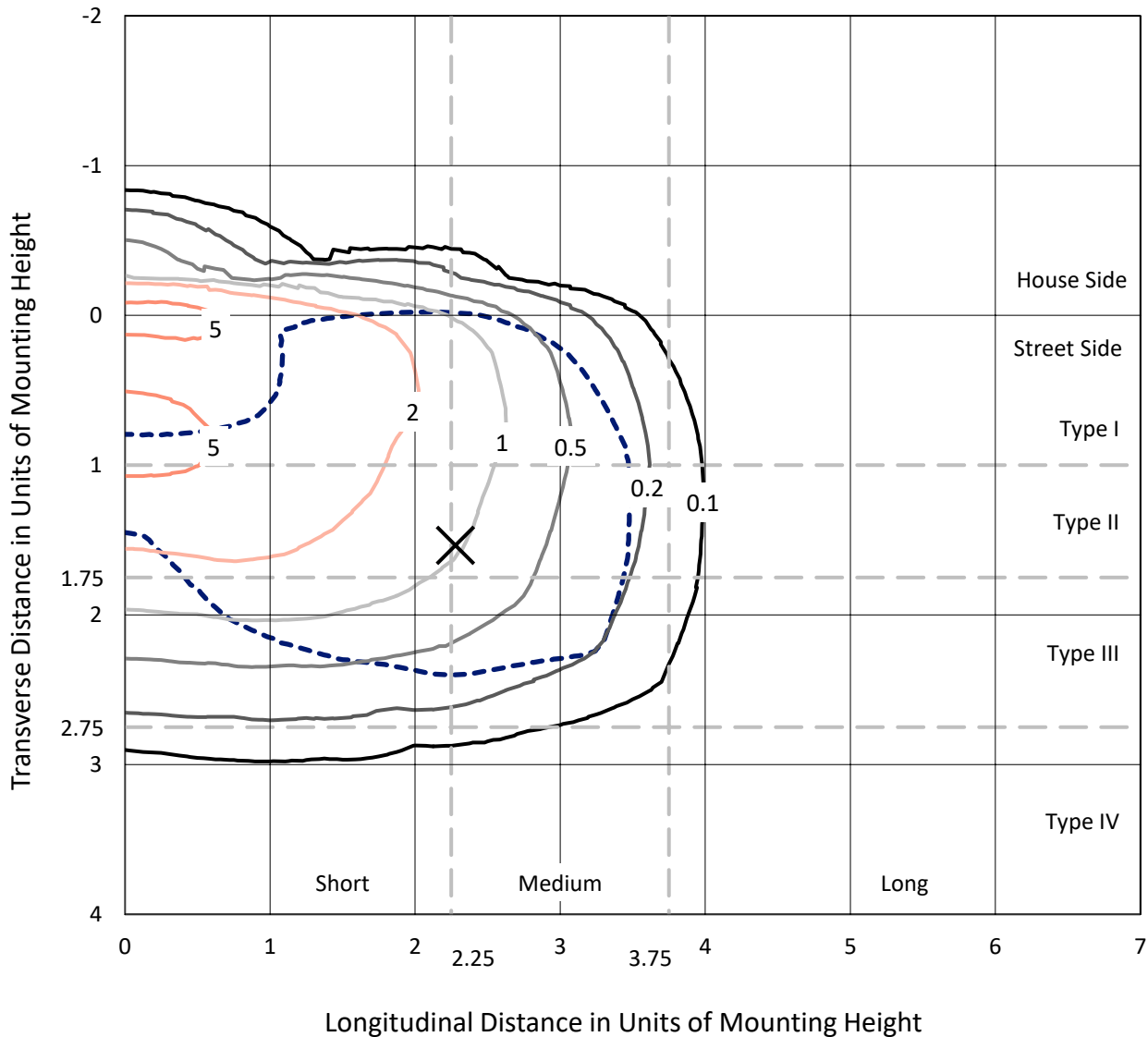
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

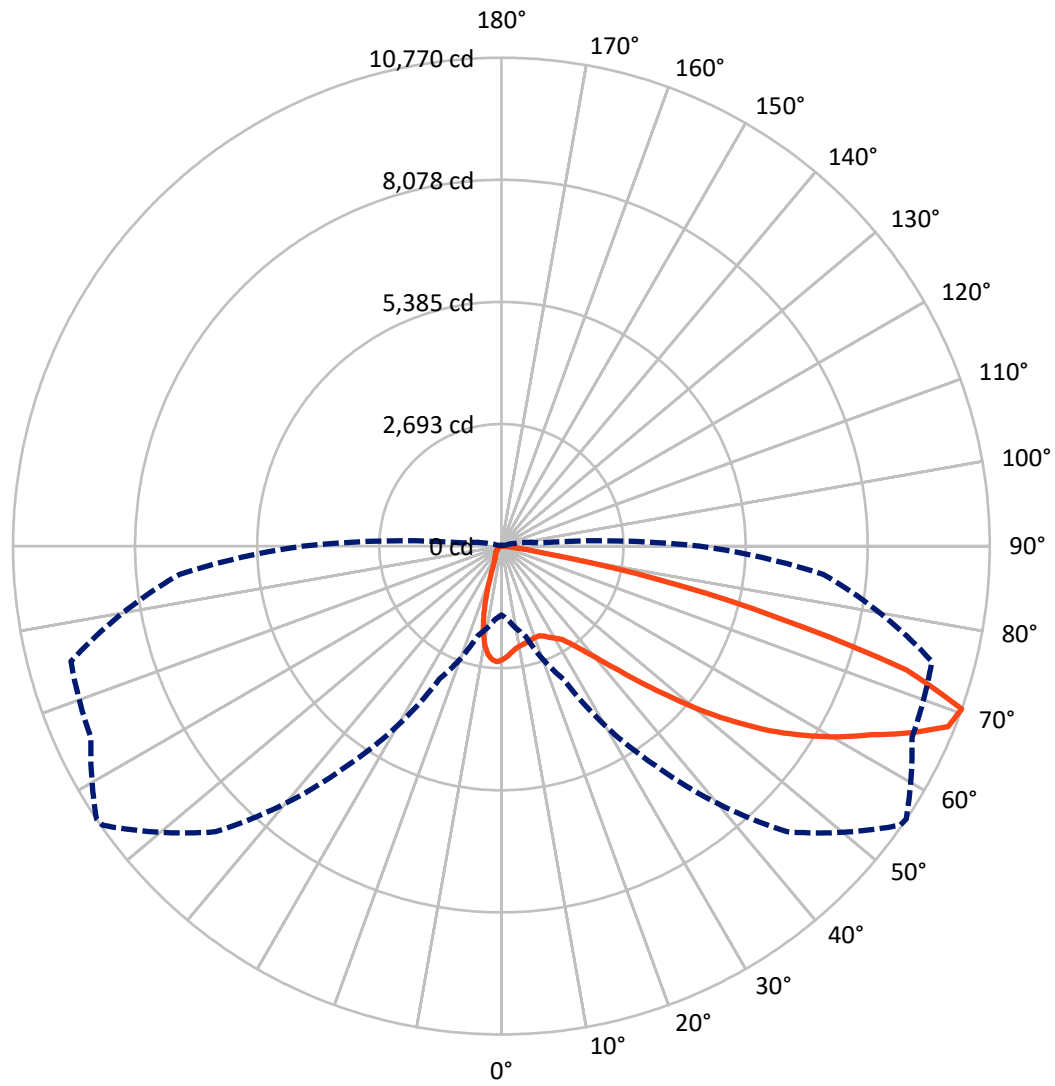
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 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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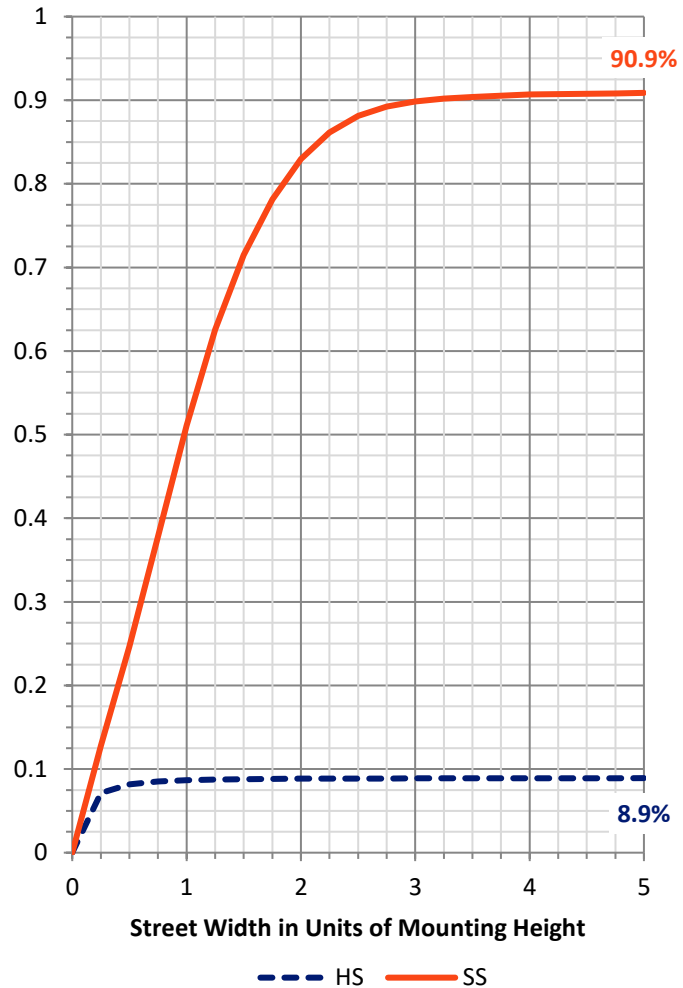
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1248.4	0.0	1248.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	12650.4	0.0	12650.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	13898.8	0.0	13898.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.2	1.5
10°-20°	483.9	3.5
20°-30°	766.6	5.5
30°-40°	1321.9	9.5
40°-50°	2232.3	16.1
50°-60°	3280.0	23.6
60°-70°	3888.6	28.0
70°-80°	1658.2	11.9
80°-90°	52.1	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°	13898.8	100.0
0°-180°	13898.8	100.0

Coefficient of Utilization



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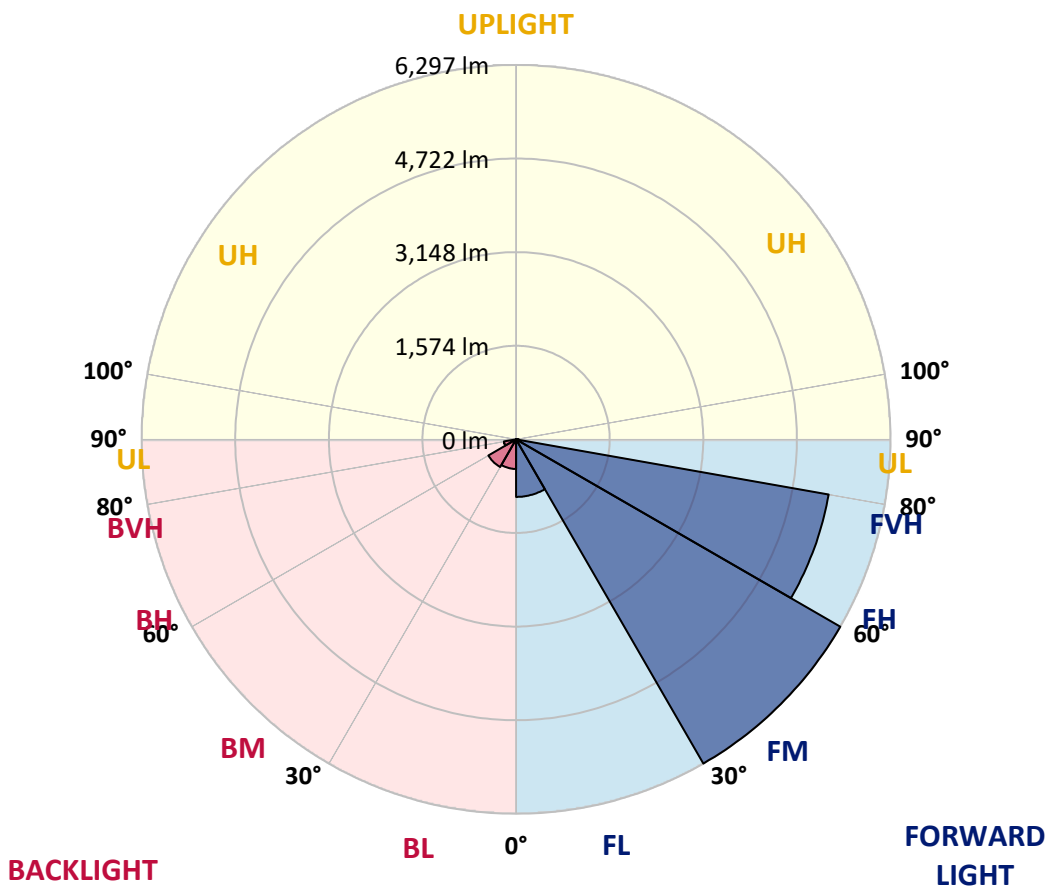
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	968.5	7.0			
FM (30°-60°)	6296.5	45.3			
FH (60°-80°)	5338.6	38.4			G3/7500
FVH (80°-90°)	46.8	0.3			G1/100
BL (0°-30°)	497.2	3.6	B1/500		
BM (30°-60°)	537.7	3.9	B1/1000		
BH (60°-80°)	208.2	1.5	B1/500		G1/500
BVH (80°-90°)	5.3	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°	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1
2.5°	2333.0	2329.2	2331.7	2350.8	2386.5	2403.0	2431.0	2436.1	2459.0	2488.3	2499.7
5°	2181.5	2168.8	2175.2	2201.9	2242.6	2288.4	2340.6	2354.6	2411.9	2476.8	2525.2
7.5°	2042.8	2028.8	2044.1	2086.1	2143.4	2193.0	2270.6	2279.5	2371.2	2485.7	2573.6
10°	1825.2	1829.0	1859.5	1933.3	2021.2	2124.3	2228.6	2241.4	2354.6	2515.0	2651.2
12.5°	1658.4	1649.5	1682.6	1766.6	1890.1	2040.3	2196.8	2213.4	2355.9	2559.6	2750.5
15°	1580.8	1578.2	1592.2	1653.3	1773.0	1949.9	2167.5	2189.2	2372.5	2600.3	2844.7
17.5°	1583.3	1579.5	1578.2	1613.9	1703.0	1882.4	2135.7	2163.7	2386.5	2644.8	2943.9
20°	1694.1	1676.2	1644.4	1627.9	1681.3	1839.2	2114.1	2145.9	2406.8	2691.9	3049.6
22.5°	1925.7	1932.1	1846.8	1757.7	1732.2	1844.3	2111.5	2148.4	2451.4	2765.7	3179.4
25°	2389.0	2378.8	2221.0	2021.2	1882.4	1902.8	2156.1	2200.6	2539.2	2871.4	3301.6
27.5°	2969.4	2978.3	2761.9	2443.7	2153.5	2023.7	2237.5	2282.1	2641.0	2937.6	3383.0
30°	3602.0	3593.0	3361.4	3008.8	2537.9	2224.8	2319.0	2358.5	2691.9	2973.2	3467.0
32.5°	4200.2	4179.8	3950.7	3581.6	3027.9	2541.7	2431.0	2453.9	2759.4	3050.8	3580.3
35°	4710.5	4709.3	4509.4	4116.2	3531.9	2938.8	2623.2	2642.3	2885.4	3174.3	3747.0
37.5°	5237.5	5219.6	4995.6	4636.7	4050.0	3374.1	2917.2	2909.6	3083.9	3356.3	3952.0
40°	5670.2	5658.8	5486.9	5142.0	4588.4	3855.2	3273.6	3250.7	3319.4	3608.3	4237.1
42.5°	5991.0	5992.2	5938.8	5728.8	5158.6	4411.4	3721.6	3686.0	3684.7	3988.9	4613.8
45°	6234.1	6250.6	6330.8	6299.0	5831.9	5059.3	4295.6	4258.7	4196.3	4482.7	5045.3
47.5°	6347.3	6369.0	6610.8	6738.1	6421.1	5702.0	4979.1	4901.5	4779.3	5139.5	5527.7
50°	6335.9	6374.1	6711.3	7098.3	6955.7	6353.7	5723.7	5686.8	5486.9	5834.4	6005.0
52.5°	6076.2	6157.7	6717.7	7317.2	7366.8	6954.4	6493.7	6425.0	6328.2	6559.9	6453.0
55°	5371.1	5470.4	6449.1	7387.2	7687.6	7478.8	7247.2	7191.2	7030.8	7244.6	6843.7
57.5°	4988.0	5073.3	5884.0	7352.8	7959.9	7963.8	7917.9	7872.1	7739.7	7921.8	7301.9
60°	4757.6	4842.9	5582.4	7226.8	8206.9	8475.4	8548.0	8542.9	8351.9	8691.8	7839.0
62.5°	4420.3	4537.4	5268.0	6899.7	8382.5	8979.4	9198.3	9164.0	8951.4	9493.6	8371.0
65°	3739.4	3841.2	4624.0	6360.1	8279.4	9396.9	9903.5	9921.3	9675.6	10248.4	8791.1
67.5°	2621.9	2697.0	3474.7	5227.3	7579.4	9534.4	10625.1	10623.9	10205.1	10635.3	8605.2
70°	1519.7	1622.8	2053.0	3231.6	5896.8	8909.4	10733.3	10770.2	9990.0	9827.1	7121.2
72.5°	588.0	673.3	1163.3	1717.0	3075.0	6824.6	9232.7	9340.9	8360.9	7580.6	4956.2
75°	175.6	196.0	547.3	913.9	1234.6	3296.5	6250.6	6281.1	5735.1	4728.4	2540.5
77.5°	131.1	145.1	239.3	462.0	432.7	999.1	3234.1	3531.9	3044.5	1689.0	700.0
80°	89.1	105.6	170.6	225.3	160.4	266.0	908.8	997.9	929.1	379.3	175.6
82.5°	39.5	50.9	120.9	113.3	58.5	76.4	280.0	297.8	192.2	114.5	61.1
85°	3.8	5.1	45.8	49.6	21.6	17.8	58.5	58.5	42.0	39.5	25.5
87.5°	0.0	0.0	1.3	2.5	2.5	3.8	5.1	6.4	7.6	10.2	12.7
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°	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1
2.5°	2529.0	2513.7	2532.8	2548.1	2551.9	2523.9	2507.4	2483.2	2478.1	2479.4	2473.0
5°	2563.4	2555.7	2569.7	2553.2	2509.9	2428.5	2358.5	2280.8	2238.8	2214.6	2212.1
7.5°	2627.0	2623.2	2607.9	2532.8	2397.9	2217.2	2042.8	1872.3	1766.6	1728.4	1722.1
10°	2721.2	2713.6	2651.2	2473.0	2185.4	1837.9	1545.1	1300.8	1151.9	1108.6	1055.1
12.5°	2829.4	2814.1	2677.9	2344.5	1864.6	1383.5	1018.2	744.6	616.0	577.8	577.8
15°	2933.7	2900.7	2662.6	2131.9	1470.1	899.9	568.9	430.2	390.7	380.6	380.6
17.5°	3040.7	2977.0	2602.8	1841.7	1015.7	532.0	379.3	352.6	347.5	348.7	350.0
20°	3141.2	3041.9	2497.2	1493.0	647.8	371.7	339.8	333.5	330.9	333.5	332.2
22.5°	3250.7	3101.8	2336.8	1112.4	421.3	334.7	323.3	318.2	315.6	319.5	319.5
25°	3358.9	3145.0	2124.3	748.4	334.7	311.8	305.5	300.4	297.8	299.1	299.1
27.5°	3414.9	3128.5	1845.5	477.3	300.4	288.9	282.6	276.2	272.4	271.1	272.4
30°	3453.0	3077.6	1504.4	339.8	272.4	258.4	252.0	246.9	236.7	230.4	232.9
32.5°	3512.9	3026.7	1134.0	285.1	249.5	227.8	217.6	204.9	190.9	184.6	184.6
35°	3584.1	2956.7	795.5	257.1	225.3	202.4	183.3	161.6	145.1	140.0	140.0
37.5°	3678.3	2890.5	529.5	238.0	204.9	180.7	154.0	128.6	110.7	108.2	106.9
40°	3819.6	2834.5	372.9	224.0	187.1	157.8	126.0	99.3	86.5	82.7	82.7
42.5°	4002.9	2777.2	295.3	210.0	171.8	136.2	100.5	78.9	68.7	66.2	64.9
45°	4229.4	2709.7	257.1	197.3	156.6	113.3	80.2	66.2	58.5	56.0	56.0
47.5°	4475.1	2618.1	239.3	180.7	138.7	91.6	67.5	57.3	53.5	52.2	50.9
50°	4716.9	2494.6	224.0	165.5	118.4	75.1	58.5	52.2	49.6	48.4	48.4
52.5°	4928.2	2350.8	204.9	147.6	96.7	64.9	52.2	48.4	45.8	43.3	42.0
55°	5108.9	2194.3	180.7	127.3	78.9	57.3	48.4	44.5	42.0	39.5	38.2
57.5°	5341.8	2105.2	145.1	103.1	64.9	50.9	44.5	40.7	38.2	34.4	34.4
60°	5600.2	2040.3	108.2	81.5	56.0	47.1	40.7	36.9	34.4	30.5	30.5
62.5°	5807.7	1943.5	85.3	66.2	48.4	42.0	36.9	33.1	30.5	26.7	26.7
65°	5886.6	1743.7	70.0	52.2	39.5	36.9	33.1	30.5	26.7	22.9	22.9
67.5°	5530.2	1344.1	58.5	42.0	33.1	31.8	29.3	28.0	22.9	20.4	19.1
70°	4379.6	819.7	48.4	34.4	28.0	26.7	26.7	24.2	20.4	19.1	17.8
72.5°	3001.2	422.6	39.5	28.0	24.2	24.2	22.9	21.6	19.1	17.8	17.8
75°	1559.1	141.3	30.5	21.6	19.1	20.4	20.4	19.1	17.8	17.8	16.5
77.5°	446.7	63.6	22.9	16.5	15.3	15.3	16.5	16.5	16.5	15.3	15.3
80°	115.8	36.9	16.5	12.7	12.7	12.7	12.7	14.0	15.3	14.0	14.0
82.5°	47.1	20.4	11.5	10.2	10.2	10.2	10.2	11.5	12.7	12.7	12.7
85°	29.3	10.2	8.9	8.9	8.9	7.6	7.6	8.9	8.9	10.2	10.2
87.5°	17.8	7.6	7.6	7.6	7.6	6.4	6.4	6.4	6.4	6.4	6.4
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)