

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: P634841

Luminaire Tested: GWS-SA3C-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11311.4 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

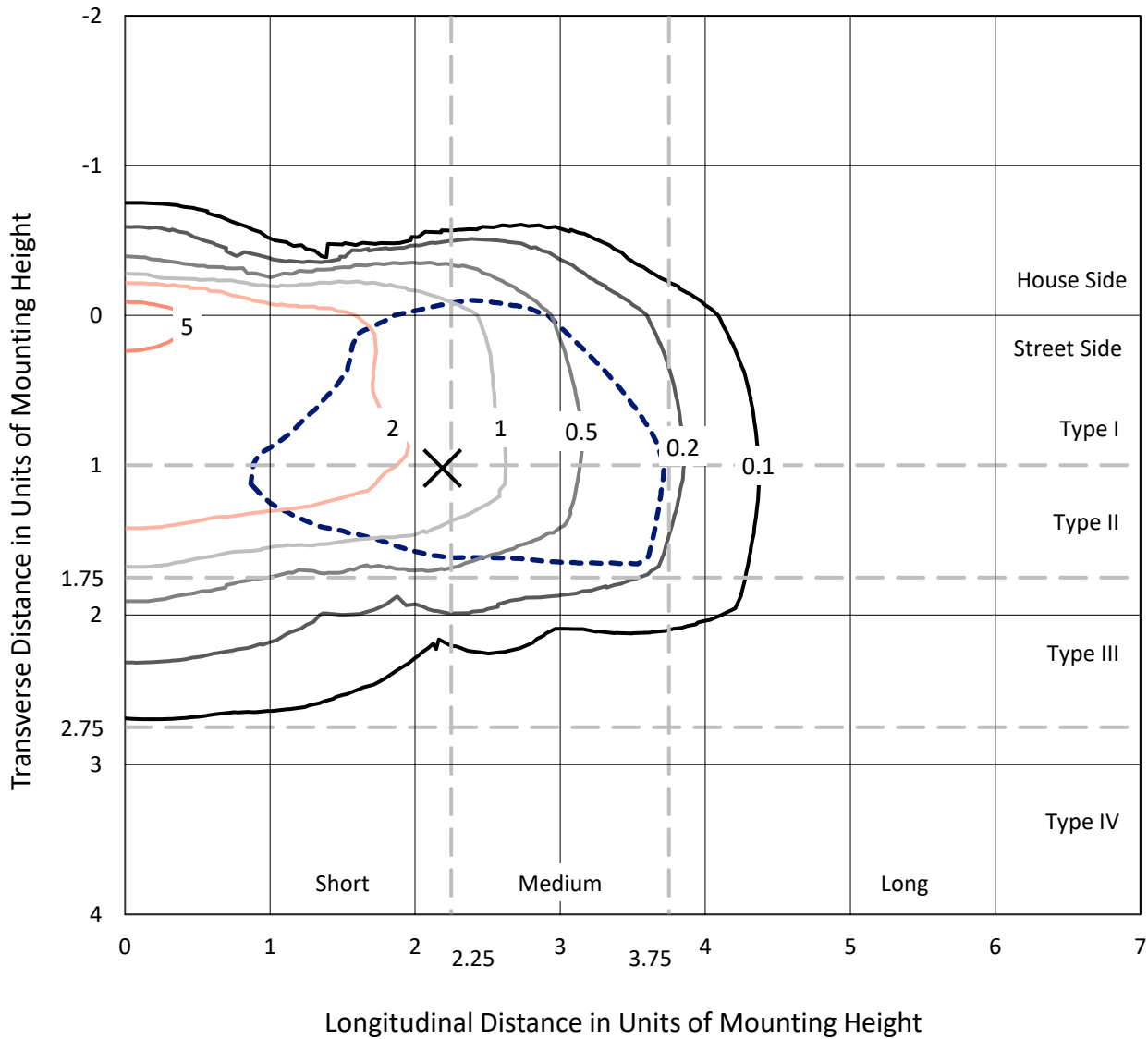
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

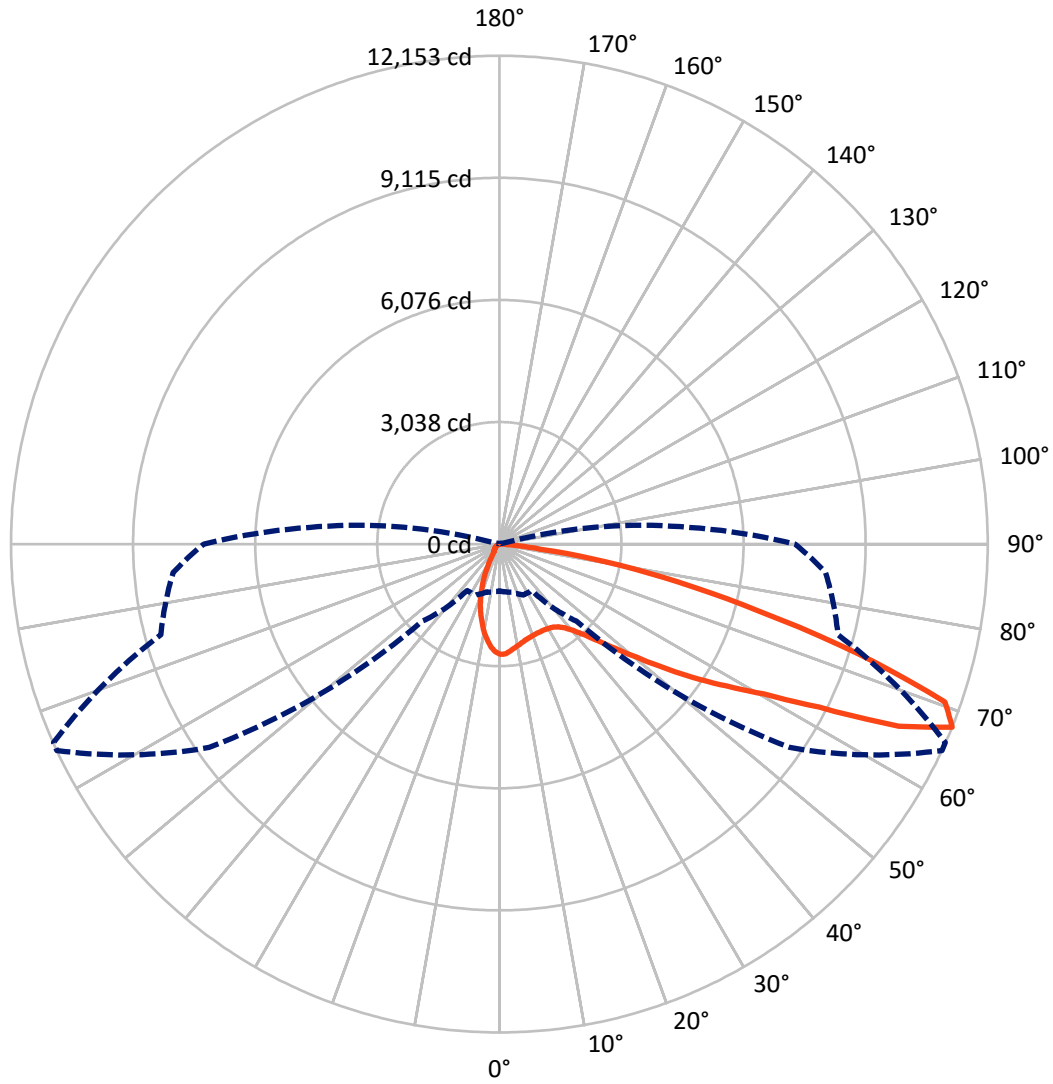
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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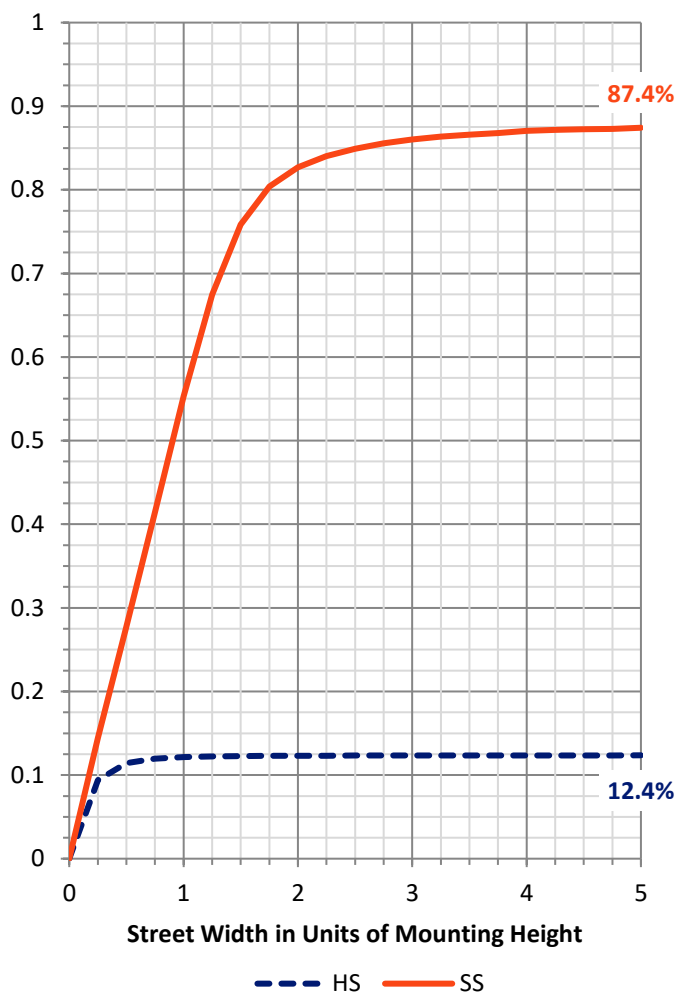
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1412.5	0.0	1412.5
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	9898.9	0.0	9898.9
	% Fixture	87.5	0.0	87.5
Total	Lumens	11311.4	0.0	11311.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	2.0
10°-20°	512.2	4.5
20°-30°	731.9	6.5
30°-40°	1064.8	9.4
40°-50°	1667.7	14.7
50°-60°	2601.7	23.0
60°-70°	2857.8	25.3
70°-80°	1520.9	13.4
80°-90°	126.6	1.1
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°	11311.4	100.0
0°-180°	11311.4	100.0

Coefficient of Utilization



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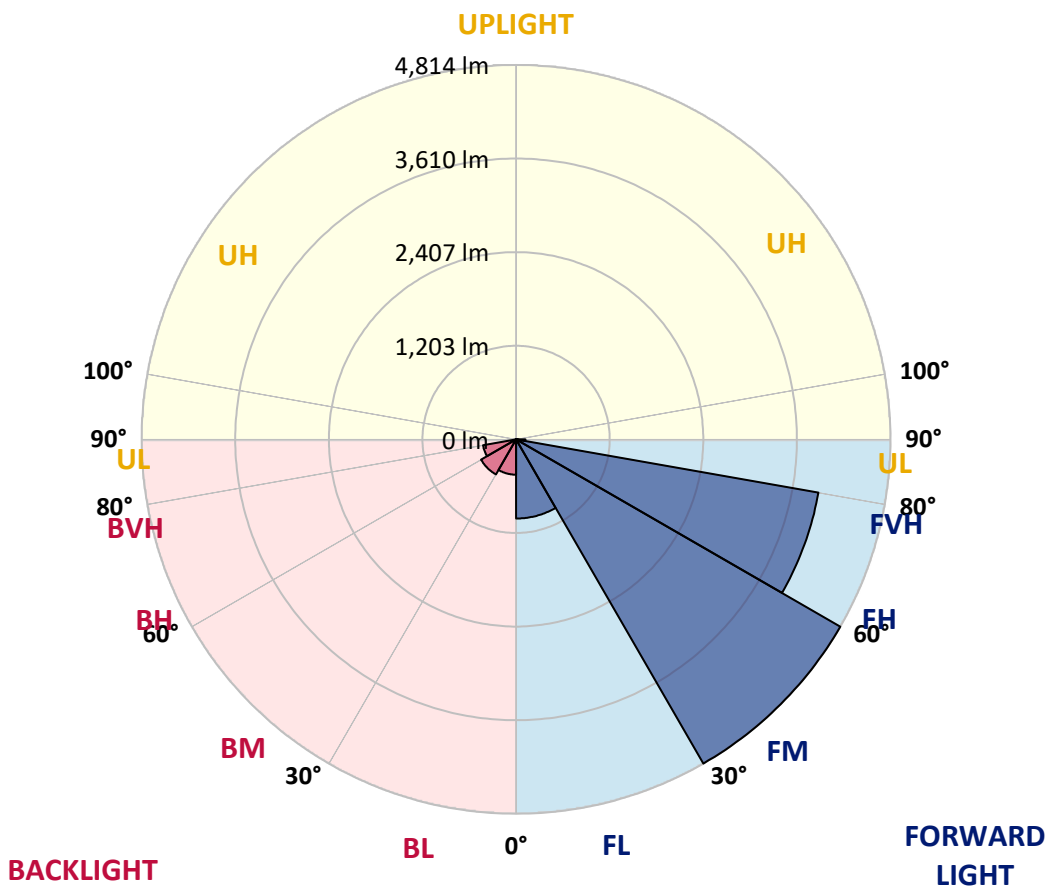
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1018.0	9.0			
FM (30°-60°)	4813.9	42.6			
FH (60°-80°)	3947.2	34.9			G2/5000
FVH (80°-90°)	119.9	1.1			G2/225
BL (0°-30°)	454.0	4.0	B1/500		
BM (30°-60°)	520.3	4.6	B1/1000		
BH (60°-80°)	431.4	3.8	B1/500		G1/500
BVH (80°-90°)	6.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4
2.5°	2648.2	2656.4	2645.2	2672.8	2677.9	2708.6	2726.0	2738.3	2737.2	2752.6	2752.6
5°	2492.8	2500.9	2494.8	2524.5	2548.0	2596.1	2636.0	2682.0	2684.0	2731.1	2748.5
7.5°	2360.8	2361.8	2361.8	2398.7	2429.3	2488.7	2548.0	2618.6	2626.8	2699.4	2745.4
10°	2252.4	2255.5	2256.5	2298.4	2332.2	2403.8	2479.5	2564.4	2573.6	2671.8	2743.4
12.5°	2177.7	2178.7	2182.8	2226.8	2263.6	2338.3	2415.0	2512.2	2524.5	2640.1	2734.2
15°	2141.9	2139.9	2141.9	2178.7	2215.6	2287.2	2365.9	2470.3	2483.6	2613.5	2735.2
17.5°	2139.9	2136.8	2134.8	2162.4	2185.9	2249.3	2329.1	2442.6	2457.0	2601.2	2746.4
20°	2169.5	2167.5	2157.3	2169.5	2174.6	2226.8	2305.6	2421.2	2435.5	2599.1	2771.0
22.5°	2247.3	2242.2	2226.8	2215.6	2187.9	2218.6	2289.2	2405.8	2422.2	2604.3	2802.7
25°	2362.9	2360.8	2341.4	2313.8	2243.2	2230.9	2290.2	2405.8	2421.2	2610.4	2836.5
27.5°	2536.7	2524.5	2499.9	2451.8	2350.6	2279.0	2310.7	2412.0	2427.3	2618.6	2864.1
30°	2713.7	2712.7	2704.5	2655.4	2505.0	2371.0	2353.7	2428.3	2442.6	2625.7	2889.6
32.5°	2896.8	2899.9	2920.3	2882.5	2717.8	2508.1	2431.4	2462.1	2472.3	2640.1	2912.1
35°	3070.7	3076.8	3131.0	3144.3	2976.6	2715.8	2558.2	2529.6	2530.6	2671.8	2941.8
37.5°	3237.4	3257.9	3344.8	3409.3	3298.8	2967.4	2741.3	2644.2	2636.0	2735.2	2986.8
40°	3426.7	3465.5	3575.0	3684.4	3649.6	3299.8	2990.9	2820.1	2802.7	2851.8	3067.6
42.5°	3636.3	3678.3	3823.5	3977.0	3993.3	3701.8	3302.9	3076.8	3047.2	3048.2	3219.0
45°	3861.4	3917.6	4086.4	4307.4	4406.6	4149.8	3687.5	3423.6	3393.9	3349.9	3462.5
47.5°	4157.0	4206.1	4368.7	4623.4	4813.7	4630.6	4191.8	3869.6	3815.4	3750.9	3840.9
50°	4411.7	4454.7	4594.8	4913.9	5309.8	5250.5	4763.6	4427.0	4374.9	4265.4	4340.1
52.5°	4468.0	4501.7	4630.6	4989.6	5689.3	6033.0	5464.2	5101.1	5064.3	4861.8	4890.4
55°	4215.3	4266.4	4382.0	4781.0	5788.5	6798.1	6373.6	5861.1	5784.4	5461.2	5512.3
57.5°	3577.0	3668.1	3776.5	4295.1	5519.5	7205.2	7644.0	6666.1	6596.6	6038.1	6039.1
60°	2621.6	2695.3	2767.9	3242.5	4881.2	7177.6	8796.8	7570.4	7443.5	6509.6	6492.2
62.5°	1906.7	1944.5	1943.5	2112.3	3352.0	6705.0	9402.3	8932.8	8637.2	7013.9	6914.7
65°	1499.5	1498.5	1542.5	1597.7	1871.9	5175.8	9477.0	10922.3	10603.2	7690.0	7483.4
67.5°	1167.1	1189.6	1233.6	1396.2	1406.5	2708.6	8820.3	12152.9	12146.7	8722.1	8149.3
70°	900.1	930.8	993.2	1230.5	1299.1	1515.9	6599.6	11763.1	11862.4	9183.4	7677.8
72.5°	577.9	575.9	667.9	994.2	1247.9	1263.3	3649.6	9344.0	9456.5	8318.1	6207.9
75°	323.2	325.3	377.4	608.6	1163.0	1188.6	1807.4	6663.1	6752.0	6485.1	4769.7
77.5°	126.8	130.9	177.0	320.2	767.2	1061.8	1074.0	4543.6	4556.9	4018.9	2925.4
80°	51.1	54.2	90.0	198.4	467.5	715.0	767.2	2676.9	2622.7	1555.8	851.0
82.5°	15.3	16.4	35.8	112.5	244.5	508.4	517.6	1027.0	969.7	334.5	216.9
85°	1.0	1.0	8.2	34.8	86.9	127.9	344.7	334.5	296.6	83.9	96.2
87.5°	0.0	0.0	1.0	1.0	2.0	4.1	36.8	61.4	62.4	15.3	43.0
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°	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4
2.5°	2752.6	2715.8	2712.7	2684.0	2655.4	2619.6	2577.7	2547.0	2525.5	2487.7	2480.5
5°	2748.5	2699.4	2653.4	2571.5	2480.5	2382.3	2296.4	2216.6	2166.5	2132.7	2118.4
7.5°	2740.3	2677.9	2571.5	2417.1	2264.7	2092.8	1958.8	1836.1	1752.2	1703.1	1681.6
10°	2734.2	2650.3	2477.4	2243.2	2006.9	1769.6	1566.0	1384.0	1282.7	1202.9	1189.6
12.5°	2721.9	2610.4	2356.7	2039.6	1734.8	1419.8	1159.9	937.0	782.5	712.9	688.4
15°	2709.6	2568.5	2236.0	1824.8	1438.2	1049.5	734.4	519.6	413.2	380.5	378.5
17.5°	2707.6	2530.6	2105.1	1621.3	1127.2	687.4	418.4	336.5	314.0	305.8	305.8
20°	2713.7	2498.9	1976.2	1387.0	821.4	418.4	312.0	291.5	278.2	271.1	271.1
22.5°	2719.8	2466.2	1852.4	1150.7	545.2	305.8	275.2	257.8	242.4	234.2	230.1
25°	2723.9	2430.4	1715.4	913.4	356.0	265.9	241.4	218.9	200.5	190.3	190.3
27.5°	2722.9	2387.4	1577.3	681.2	276.2	236.3	206.6	183.1	164.7	153.4	154.5
30°	2714.7	2340.4	1434.1	475.6	241.4	206.6	177.0	152.4	134.0	124.8	123.8
32.5°	2708.6	2290.2	1268.4	334.5	216.9	181.1	150.4	126.8	111.5	104.3	103.3
35°	2701.4	2241.1	1110.9	254.7	195.4	156.5	126.8	107.4	95.1	89.0	89.0
37.5°	2703.5	2190.0	940.0	218.9	173.9	136.0	108.4	92.1	81.8	75.7	74.7
40°	2735.2	2159.3	772.3	198.4	154.5	117.6	94.1	79.8	69.6	63.4	62.4
42.5°	2813.9	2160.3	611.7	183.1	137.1	100.2	81.8	68.5	59.3	52.2	51.1
45°	2971.5	2203.3	469.5	166.7	118.7	86.9	70.6	58.3	49.1	43.0	41.9
47.5°	3229.2	2331.1	356.0	152.4	103.3	75.7	60.4	49.1	40.9	35.8	34.8
50°	3639.4	2562.3	280.3	135.0	86.9	65.5	51.1	40.9	33.8	28.6	27.6
52.5°	4132.4	2909.1	240.4	119.7	74.7	57.3	44.0	33.8	27.6	23.5	22.5
55°	4699.1	3323.3	222.0	104.3	63.4	49.1	35.8	27.6	22.5	19.4	17.4
57.5°	5218.7	3696.7	220.9	89.0	54.2	41.9	29.7	23.5	19.4	15.3	14.3
60°	5725.1	4008.7	207.6	73.6	47.1	34.8	25.6	19.4	16.4	13.3	12.3
62.5°	6184.3	4262.4	173.9	59.3	39.9	28.6	21.5	17.4	14.3	11.3	11.3
65°	6761.3	4585.6	133.0	48.1	32.7	23.5	18.4	15.3	13.3	10.2	10.2
67.5°	7357.6	4756.4	95.1	39.9	26.6	20.5	16.4	14.3	11.3	9.2	9.2
70°	6664.1	4018.9	68.5	32.7	22.5	17.4	14.3	13.3	11.3	9.2	8.2
72.5°	5204.4	2897.8	51.1	25.6	19.4	16.4	13.3	12.3	10.2	8.2	8.2
75°	3859.3	1689.8	38.9	20.5	15.3	13.3	13.3	12.3	10.2	8.2	7.2
77.5°	2097.9	589.2	29.7	16.4	12.3	10.2	11.3	11.3	9.2	7.2	6.1
80°	555.4	161.6	20.5	12.3	10.2	8.2	8.2	10.2	8.2	6.1	6.1
82.5°	161.6	47.1	14.3	10.2	8.2	7.2	7.2	7.2	6.1	5.1	4.1
85°	78.8	17.4	10.2	8.2	7.2	6.1	5.1	5.1	4.1	3.1	3.1
87.5°	34.8	7.2	8.2	7.2	7.2	5.1	4.1	3.1	3.1	2.0	1.0
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)