

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: P633246

Luminaire Tested: GWS-SA2E-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633246
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-SA2E-735-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11408 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

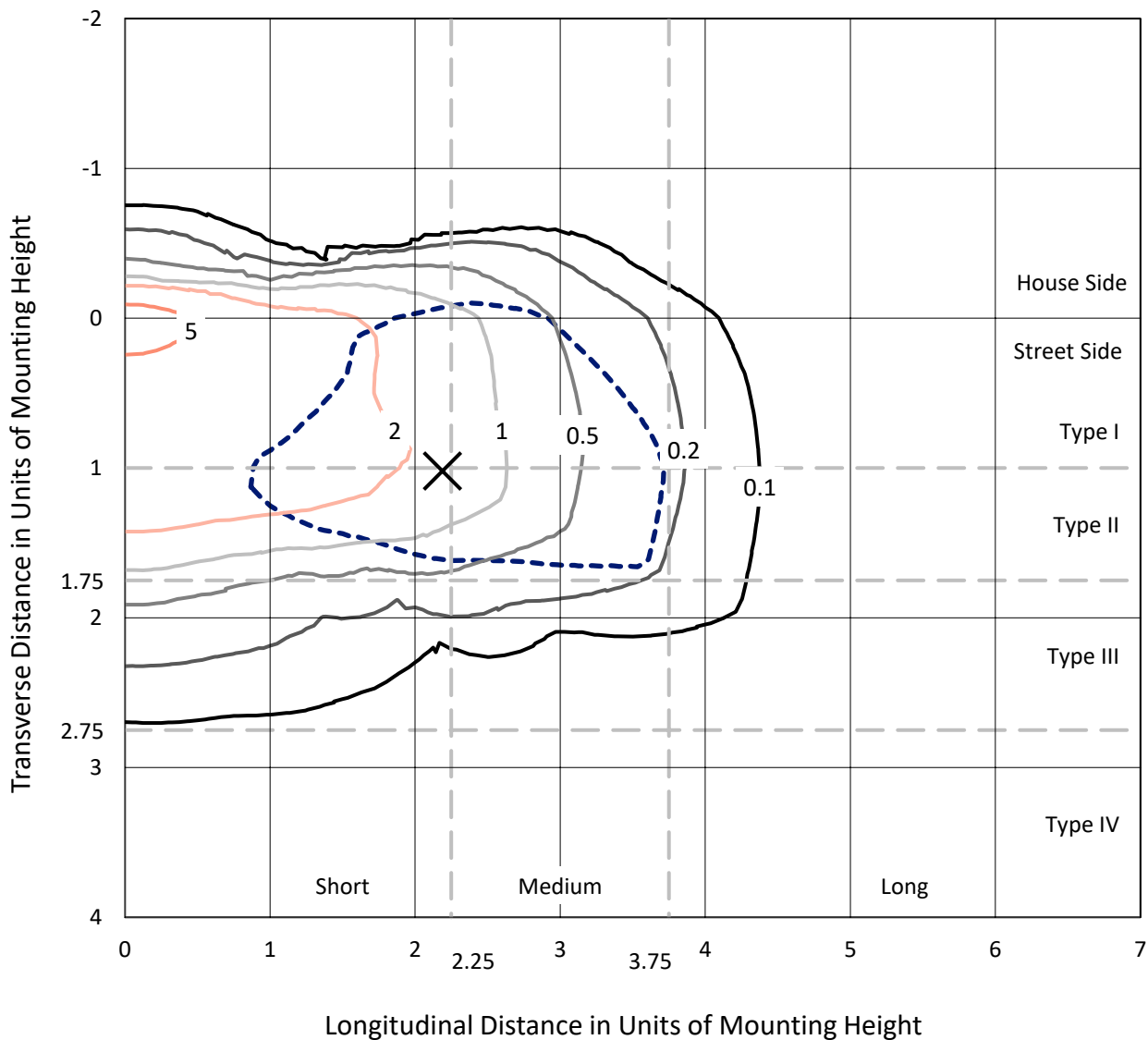
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

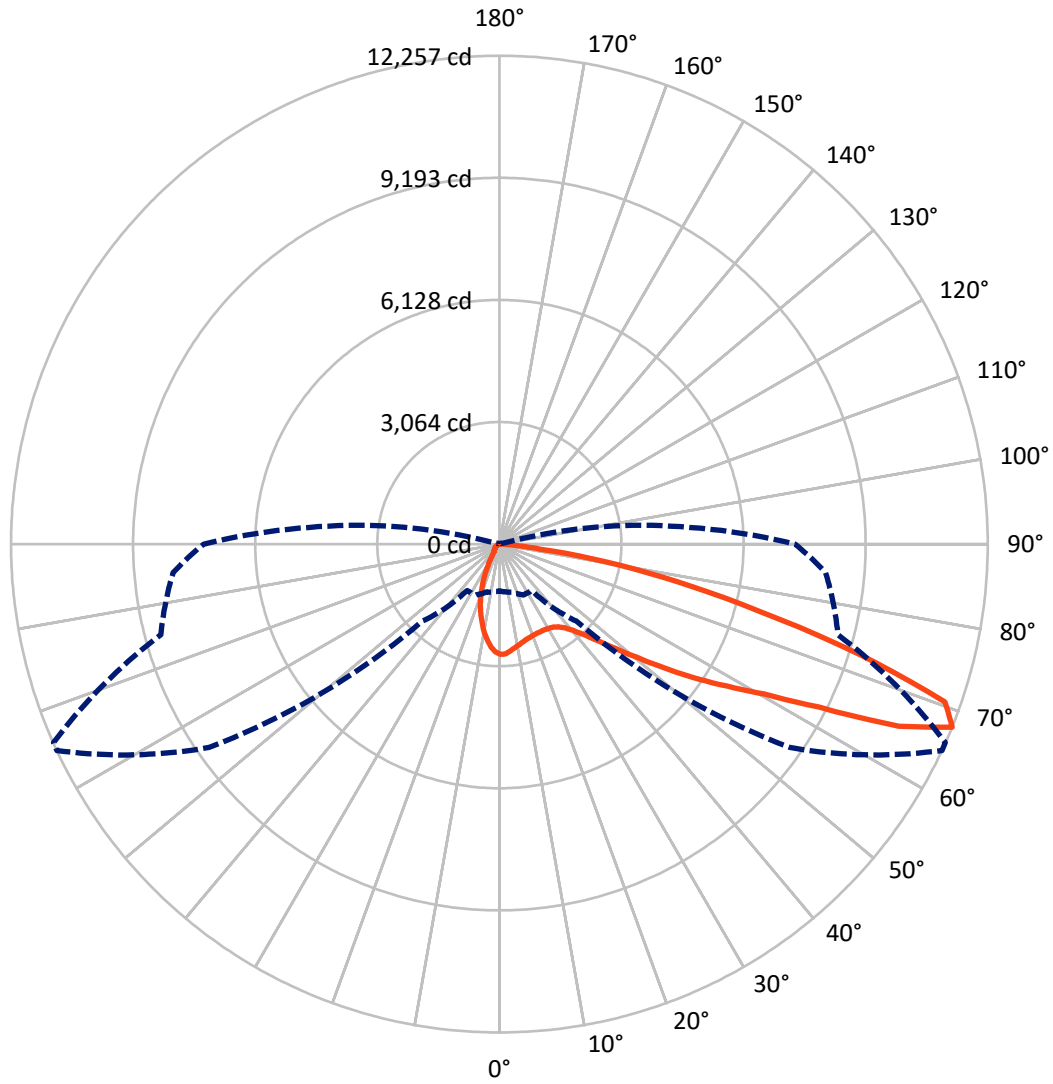
✕ Max cd
 - - - 1/2 Max cd



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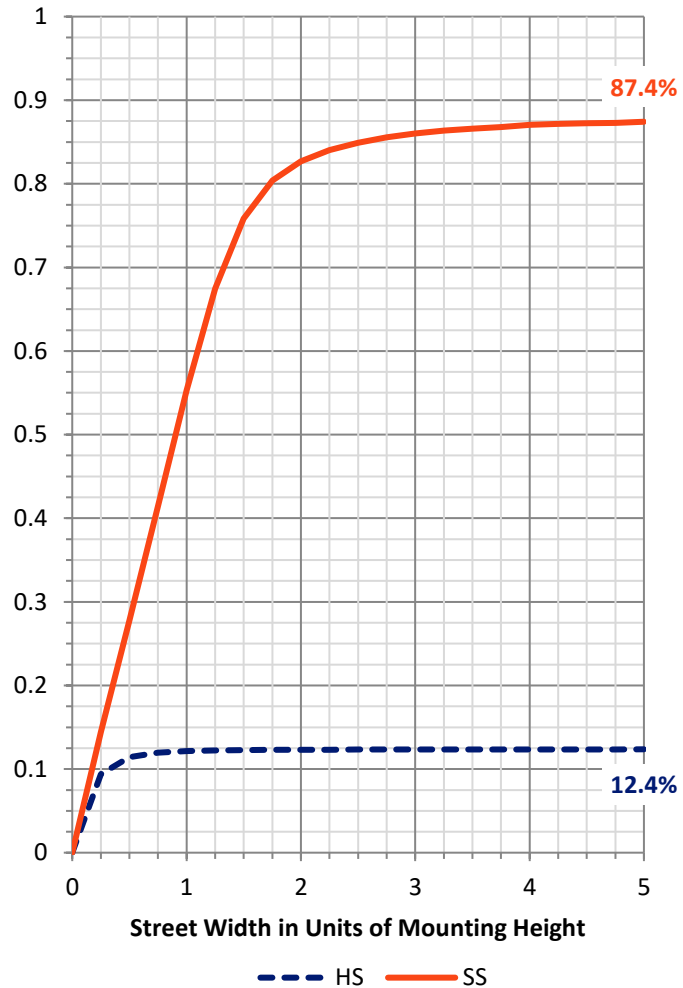
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1424.5	0.0	1424.5
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	9983.5	0.0	9983.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	11408.0	0.0	11408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	2.0
10°-20°	516.6	4.5
20°-30°	738.2	6.5
30°-40°	1073.9	9.4
40°-50°	1681.9	14.7
50°-60°	2623.9	23.0
60°-70°	2882.2	25.3
70°-80°	1533.9	13.4
80°-90°	127.7	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°	11408.0	100.0
0°-180°	11408.0	100.0

Coefficient of Utilization



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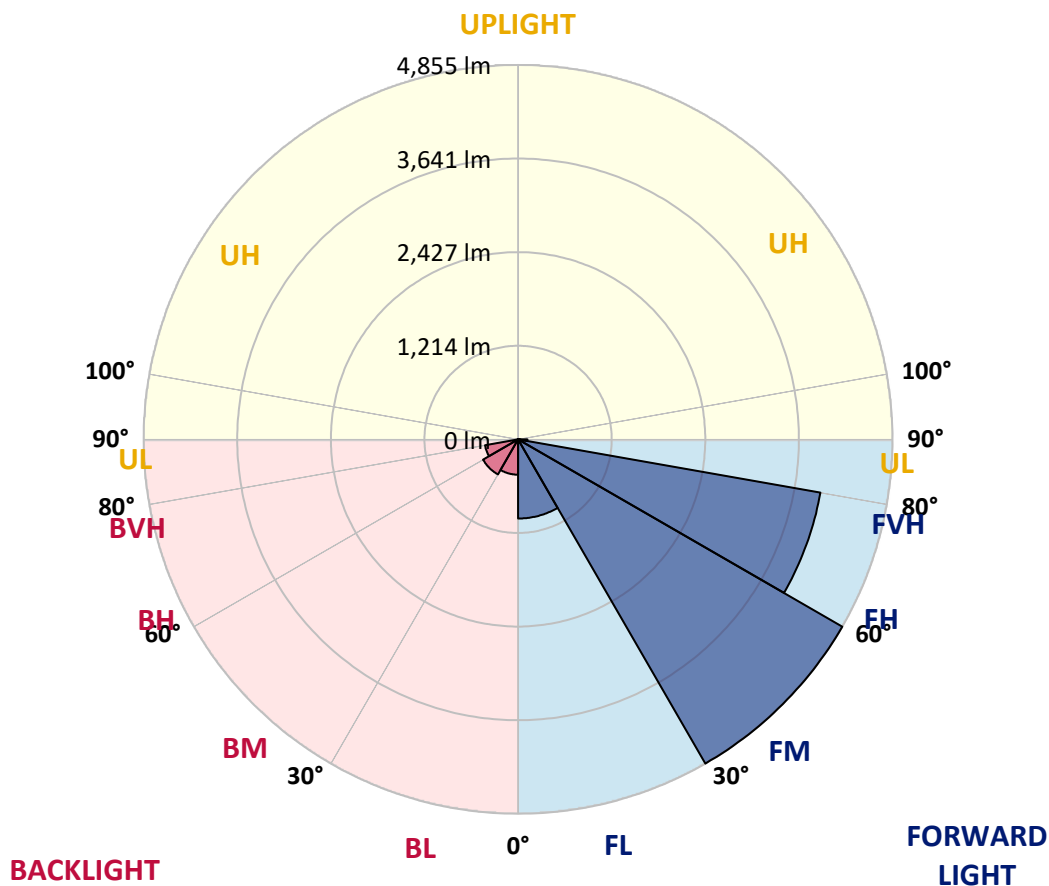
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1026.7	9.0			
FM (30°-60°)	4855.0	42.6			
FH (60°-80°)	3981.0	34.9			G2/5000
FVH (80°-90°)	120.9	1.1			G2/225
BL (0°-30°)	457.9	4.0	B1/500		
BM (30°-60°)	524.7	4.6	B1/1000		
BH (60°-80°)	435.1	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°	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8
2.5°	2670.9	2679.1	2667.8	2695.6	2700.8	2731.7	2749.3	2761.6	2760.6	2776.1	2776.1
5°	2514.1	2522.3	2516.1	2546.0	2569.8	2618.2	2658.5	2704.9	2707.0	2754.4	2772.0
7.5°	2381.0	2382.0	2382.0	2419.1	2450.1	2509.9	2569.8	2640.9	2649.2	2722.4	2768.9
10°	2271.6	2274.7	2275.7	2318.0	2352.1	2424.3	2500.6	2586.3	2595.6	2694.6	2766.8
12.5°	2196.3	2197.3	2201.5	2245.8	2283.0	2358.3	2435.6	2533.7	2546.0	2662.6	2757.5
15°	2160.2	2158.1	2160.2	2197.3	2234.5	2306.7	2386.1	2491.4	2504.8	2635.8	2758.5
17.5°	2158.1	2155.0	2153.0	2180.8	2204.6	2268.5	2349.0	2463.5	2477.9	2623.4	2769.9
20°	2188.1	2186.0	2175.7	2188.1	2193.2	2245.8	2325.3	2441.8	2456.3	2621.3	2794.7
22.5°	2266.5	2261.3	2245.8	2234.5	2206.6	2237.6	2308.8	2426.4	2442.9	2626.5	2826.6
25°	2383.0	2381.0	2361.4	2333.5	2262.3	2250.0	2309.8	2426.4	2441.8	2632.7	2860.7
27.5°	2558.4	2546.0	2521.3	2472.8	2370.7	2298.4	2330.4	2432.6	2448.0	2640.9	2888.5
30°	2736.9	2735.9	2727.6	2678.1	2526.4	2391.3	2373.8	2449.1	2463.5	2648.2	2914.3
32.5°	2921.5	2924.6	2945.3	2907.1	2741.0	2529.5	2452.2	2483.1	2493.4	2662.6	2937.0
35°	3096.9	3103.1	3157.8	3171.2	3002.0	2738.9	2580.1	2551.2	2552.2	2694.6	2966.9
37.5°	3265.1	3285.7	3373.4	3438.4	3327.0	2992.7	2764.7	2666.7	2658.5	2758.5	3012.3
40°	3455.9	3495.1	3605.5	3715.9	3680.8	3328.0	3016.5	2844.2	2826.6	2876.2	3093.8
42.5°	3667.4	3709.7	3856.2	4010.9	4027.4	3733.4	3331.1	3103.1	3073.2	3074.2	3246.5
45°	3894.4	3951.1	4121.3	4344.1	4444.2	4185.3	3719.0	3452.8	3422.9	3378.5	3492.0
47.5°	4192.5	4242.0	4406.0	4662.9	4854.8	4670.1	4227.6	3902.6	3847.9	3782.9	3873.7
50°	4449.4	4492.7	4634.0	4955.9	5355.1	5295.3	4804.2	4464.8	4412.2	4301.8	4377.2
52.5°	4506.1	4540.2	4670.1	5032.2	5737.9	6084.5	5510.9	5144.7	5107.5	4903.3	4932.2
55°	4251.3	4302.9	4419.5	4821.8	5837.9	6856.1	6428.0	5911.2	5833.8	5507.8	5559.4
57.5°	3607.6	3699.4	3808.7	4331.8	5566.6	7266.7	7709.3	6723.1	6652.9	6089.6	6090.7
60°	2644.0	2718.3	2791.6	3270.2	4922.9	7238.9	8871.9	7635.0	7507.1	6565.2	6547.7
62.5°	1922.9	1961.1	1960.1	2130.3	3380.6	6762.3	9482.6	9009.1	8711.0	7073.8	6973.7
65°	1512.4	1511.3	1555.7	1611.4	1887.9	5220.0	9557.9	11015.6	10693.8	7755.7	7547.3
67.5°	1177.1	1199.8	1244.1	1408.2	1418.5	2731.7	8895.6	12256.7	12250.5	8796.6	8218.9
70°	907.8	938.8	1001.7	1241.0	1310.2	1528.9	6656.0	11863.6	11963.7	9261.9	7743.3
72.5°	582.9	580.8	673.6	1002.7	1258.6	1274.0	3680.8	9423.8	9537.3	8389.1	6260.9
75°	326.0	328.1	380.7	613.8	1172.9	1198.7	1822.9	6720.0	6809.7	6540.5	4810.4
77.5°	127.9	132.0	178.5	322.9	773.7	1070.8	1083.2	4582.4	4595.9	4053.2	2950.4
80°	51.6	54.7	90.8	200.1	471.4	721.1	773.7	2699.7	2645.1	1569.1	858.3
82.5°	15.5	16.5	36.1	113.5	246.6	512.7	522.0	1035.7	978.0	337.3	218.7
85°	1.0	1.0	8.3	35.1	87.7	129.0	347.7	337.3	299.2	84.6	97.0
87.5°	0.0	0.0	1.0	1.0	2.1	4.1	37.1	61.9	62.9	15.5	43.3
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°	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8	2766.8
2.5°	2776.1	2738.9	2735.9	2707.0	2678.1	2642.0	2599.7	2568.7	2547.1	2508.9	2501.7
5°	2772.0	2722.4	2676.0	2593.5	2501.7	2402.6	2316.0	2235.5	2185.0	2150.9	2136.5
7.5°	2763.7	2700.8	2593.5	2437.7	2284.0	2110.7	1975.5	1851.8	1767.2	1717.6	1696.0
10°	2757.5	2672.9	2498.6	2262.3	2024.0	1784.7	1579.4	1395.8	1293.6	1213.2	1199.8
12.5°	2745.1	2632.7	2376.8	2057.0	1749.6	1431.9	1169.9	945.0	789.2	719.0	694.3
15°	2732.8	2590.4	2255.1	1840.4	1450.5	1058.4	740.7	524.1	416.8	383.8	381.7
17.5°	2730.7	2552.2	2123.1	1635.1	1136.8	693.2	421.9	339.4	316.7	308.5	308.5
20°	2736.9	2520.2	1993.1	1398.9	828.4	421.9	314.6	294.0	280.6	273.4	273.4
22.5°	2743.1	2487.2	1868.3	1160.6	549.9	308.5	277.5	260.0	244.5	236.2	232.1
25°	2747.2	2451.1	1730.0	921.2	359.0	268.2	243.5	220.8	202.2	191.9	191.9
27.5°	2746.2	2407.8	1590.8	687.1	278.5	238.3	208.4	184.7	166.1	154.7	155.8
30°	2737.9	2360.3	1446.3	479.7	243.5	208.4	178.5	153.7	135.1	125.9	124.8
32.5°	2731.7	2309.8	1279.2	337.3	218.7	182.6	151.6	127.9	112.4	105.2	104.2
35°	2724.5	2260.3	1120.3	256.9	197.0	157.8	127.9	108.3	95.9	89.8	89.8
37.5°	2726.6	2208.7	948.1	220.8	175.4	137.2	109.4	92.8	82.5	76.3	75.3
40°	2758.5	2177.7	778.9	200.1	155.8	118.6	94.9	80.5	70.2	64.0	62.9
42.5°	2838.0	2178.8	616.9	184.7	138.2	101.1	82.5	69.1	59.8	52.6	51.6
45°	2996.9	2222.1	473.5	168.2	119.7	87.7	71.2	58.8	49.5	43.3	42.3
47.5°	3256.8	2351.1	359.0	153.7	104.2	76.3	60.9	49.5	41.3	36.1	35.1
50°	3670.5	2584.2	282.7	136.2	87.7	66.0	51.6	41.3	34.0	28.9	27.9
52.5°	4167.7	2933.9	242.4	120.7	75.3	57.8	44.4	34.0	27.9	23.7	22.7
55°	4739.3	3351.7	223.9	105.2	64.0	49.5	36.1	27.9	22.7	19.6	17.5
57.5°	5263.3	3728.3	222.8	89.8	54.7	42.3	29.9	23.7	19.6	15.5	14.4
60°	5774.0	4042.9	209.4	74.3	47.5	35.1	25.8	19.6	16.5	13.4	12.4
62.5°	6237.2	4298.8	175.4	59.8	40.2	28.9	21.7	17.5	14.4	11.3	11.3
65°	6819.0	4624.7	134.1	48.5	33.0	23.7	18.6	15.5	13.4	10.3	10.3
67.5°	7420.4	4797.0	95.9	40.2	26.8	20.6	16.5	14.4	11.3	9.3	9.3
70°	6721.0	4053.2	69.1	33.0	22.7	17.5	14.4	13.4	11.3	9.3	8.3
72.5°	5248.9	2922.6	51.6	25.8	19.6	16.5	13.4	12.4	10.3	8.3	8.3
75°	3892.3	1704.2	39.2	20.6	15.5	13.4	13.4	12.4	10.3	8.3	7.2
77.5°	2115.8	594.2	29.9	16.5	12.4	10.3	11.3	11.3	9.3	7.2	6.2
80°	560.2	163.0	20.6	12.4	10.3	8.3	8.3	10.3	8.3	6.2	6.2
82.5°	163.0	47.5	14.4	10.3	8.3	7.2	7.2	7.2	6.2	5.2	4.1
85°	79.4	17.5	10.3	8.3	7.2	6.2	5.2	5.2	4.1	3.1	3.1
87.5°	35.1	7.2	8.3	7.2	7.2	5.2	4.1	3.1	3.1	2.1	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)