

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: P641503

Luminaire Tested: GWS-SA6B-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14977.9 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

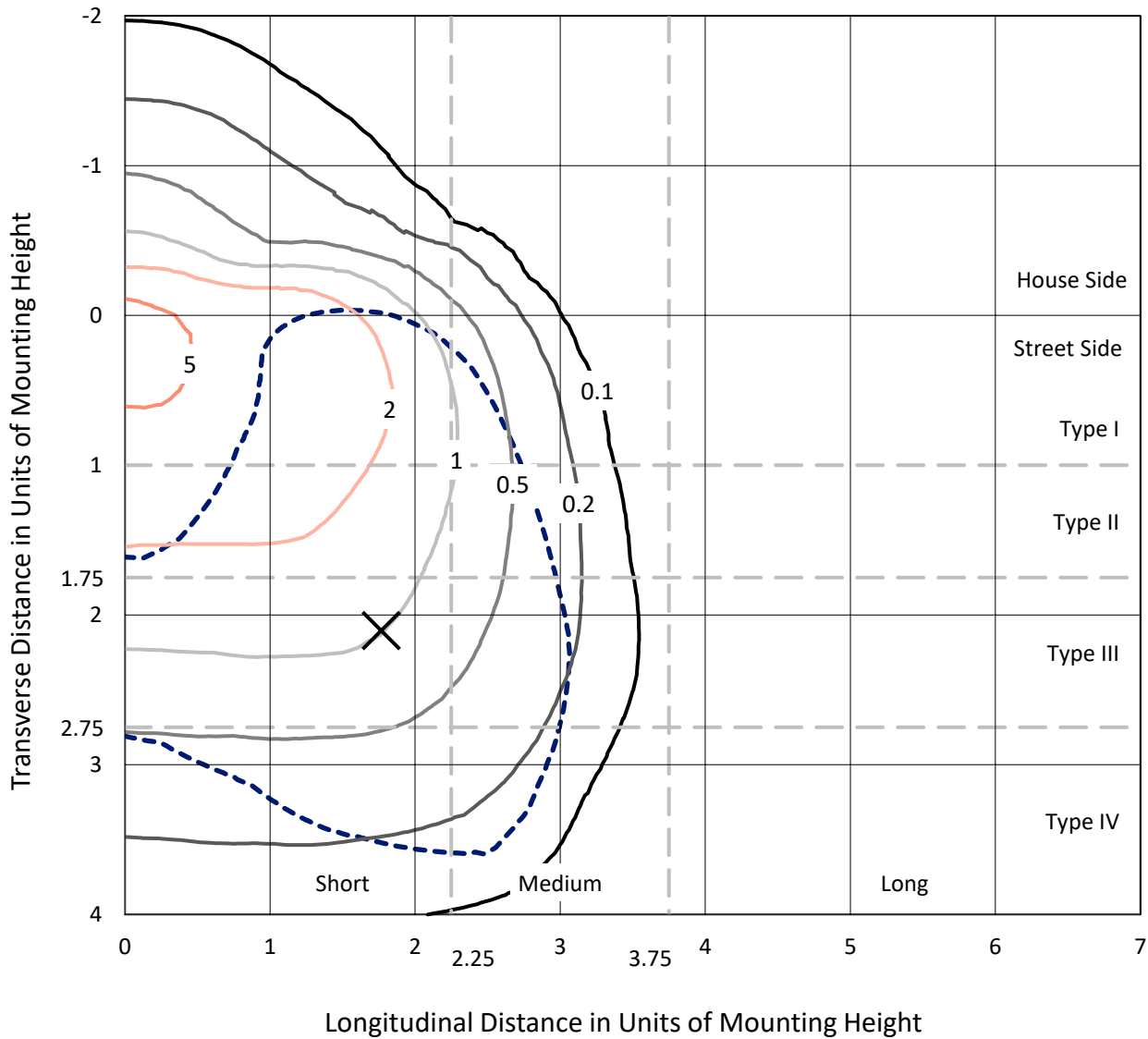
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

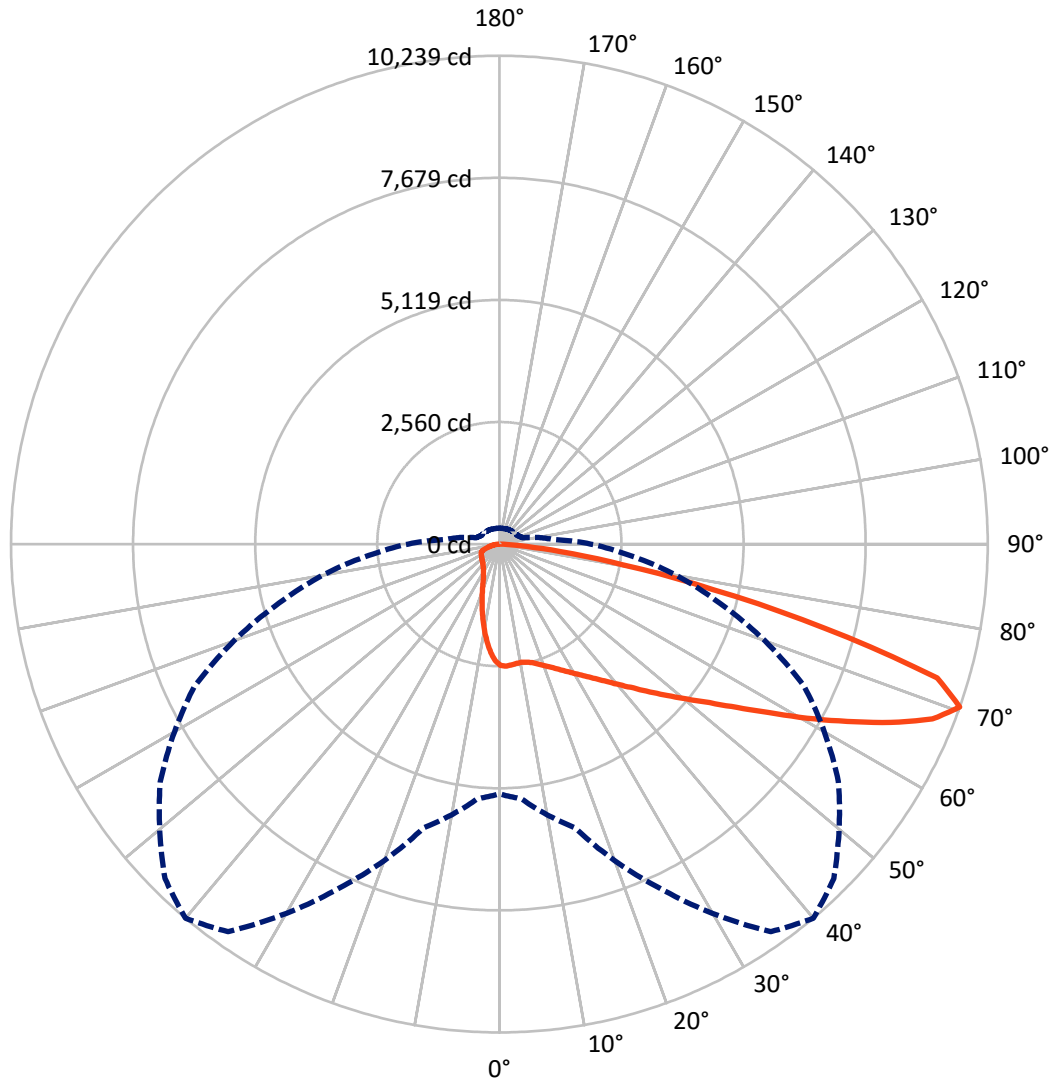
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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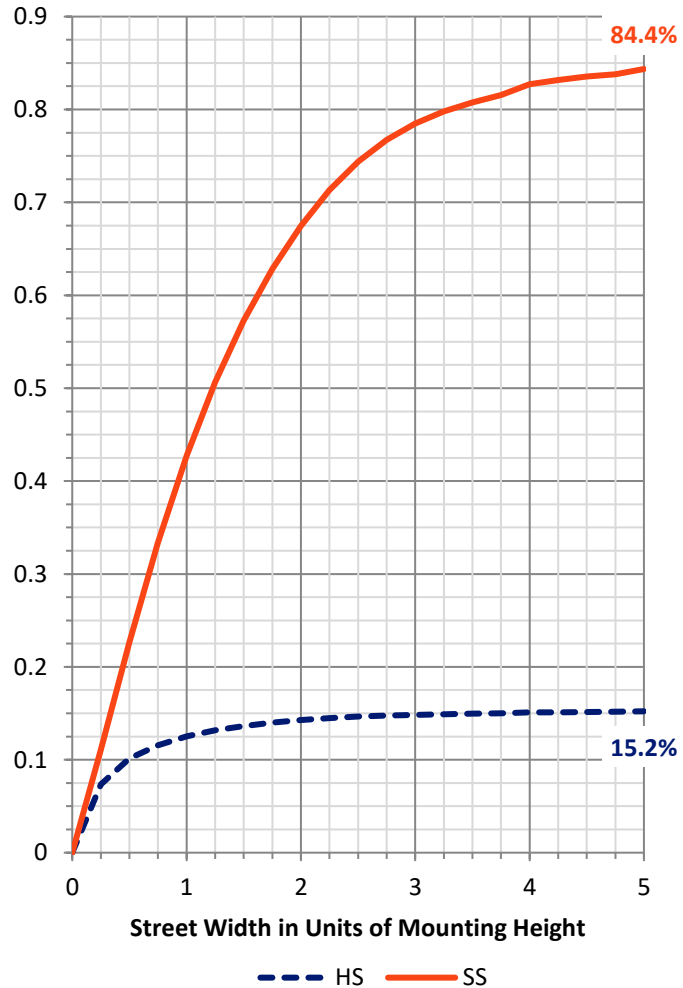
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2307.0	0.0	2307.0
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	12670.9	0.0	12670.9
	% Fixture	84.6	0.0	84.6
Total	Lumens	14977.9	0.0	14977.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	1.5
10°-20°	585.7	3.9
20°-30°	919.6	6.1
30°-40°	1382.7	9.2
40°-50°	2134.2	14.2
50°-60°	3169.4	21.2
60°-70°	3995.0	26.7
70°-80°	2310.3	15.4
80°-90°	256.4	1.7
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°	14977.9	100.0
0°-180°	14977.9	100.0

Coefficient of Utilization



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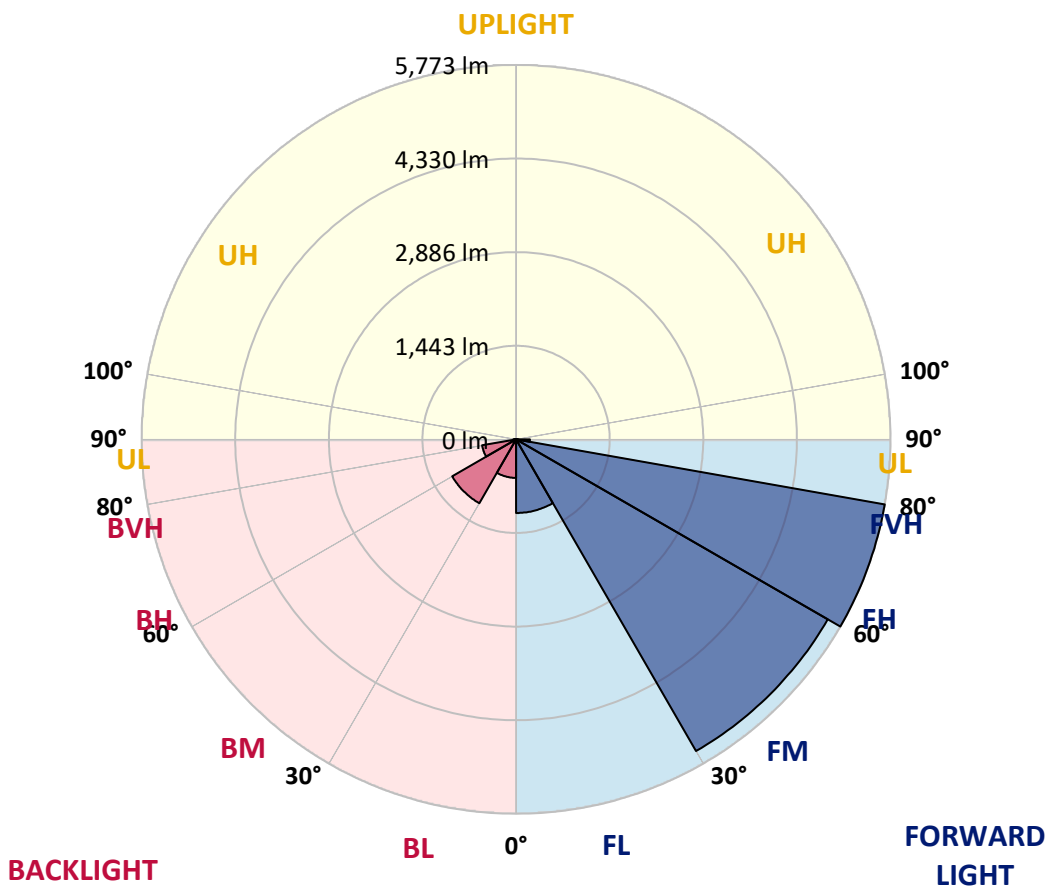
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1135.4	7.6			
FM (30°-60°)	5549.1	37.0			
FH (60°-80°)	5772.8	38.5			G3/7500
FVH (80°-90°)	213.5	1.4			G2/225
BL (0°-30°)	594.5	4.0	B2/1000		
BM (30°-60°)	1137.1	7.6	B2/2500		
BH (60°-80°)	532.5	3.6	B2/1000		G2/1000
BVH (80°-90°)	42.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4
2.5°	2559.1	2563.5	2566.9	2571.4	2569.1	2562.4	2568.0	2568.0	2555.7	2542.3	2530.0
5°	2562.4	2568.0	2566.9	2565.8	2556.8	2545.7	2545.7	2538.9	2517.7	2496.5	2476.3
7.5°	2555.7	2554.6	2553.5	2550.1	2540.1	2527.8	2525.5	2512.1	2484.2	2455.1	2426.0
10°	2525.5	2524.4	2527.8	2535.6	2533.4	2522.2	2522.2	2509.9	2477.5	2441.7	2403.7
12.5°	2500.9	2500.9	2514.4	2535.6	2543.4	2538.9	2540.1	2531.1	2494.2	2451.7	2407.0
15°	2504.3	2505.4	2534.5	2569.1	2583.7	2580.3	2581.4	2571.4	2530.0	2487.5	2427.1
17.5°	2526.6	2532.2	2582.5	2630.6	2649.6	2645.2	2637.3	2620.6	2573.6	2525.5	2451.7
20°	2573.6	2582.5	2647.4	2707.8	2730.1	2720.1	2706.6	2673.1	2621.7	2569.1	2478.6
22.5°	2666.4	2672.0	2743.5	2802.8	2820.7	2808.4	2781.6	2733.5	2674.2	2619.4	2511.0
25°	2797.2	2803.9	2872.1	2926.9	2922.4	2907.9	2871.0	2811.7	2741.3	2683.2	2558.0
27.5°	2952.6	2963.8	3030.9	3074.5	3045.4	3024.2	2982.8	2911.2	2831.9	2779.3	2629.5
30°	3122.5	3127.0	3184.0	3227.6	3182.9	3153.8	3103.5	3026.4	2954.8	2915.7	2736.8
32.5°	3286.9	3291.4	3340.5	3365.1	3318.2	3296.9	3253.3	3171.7	3121.4	3100.2	2896.7
35°	3460.2	3459.1	3499.3	3520.5	3472.5	3463.5	3418.8	3356.2	3347.3	3375.2	3130.4
37.5°	3633.5	3623.4	3644.6	3672.6	3645.8	3654.7	3625.6	3604.4	3639.0	3711.7	3441.2
40°	3772.1	3772.1	3794.4	3829.1	3838.0	3877.2	3860.4	3888.4	4000.2	4173.4	3825.7
42.5°	3895.1	3896.2	3943.1	3996.8	4061.6	4122.0	4135.4	4208.1	4439.5	4711.2	4308.7
45°	4023.6	4024.8	4088.5	4166.7	4304.2	4419.4	4446.2	4609.5	4940.4	5271.3	4833.1
47.5°	4172.3	4160.0	4248.3	4379.2	4574.8	4740.3	4809.6	5041.0	5459.1	5866.1	5327.2
50°	4340.0	4314.3	4412.7	4638.5	4880.0	5107.0	5223.2	5488.2	6015.9	6415.0	5792.3
52.5°	4529.0	4514.4	4617.3	4892.3	5261.2	5522.9	5680.5	6028.2	6557.0	6961.7	6161.2
55°	4763.7	4729.1	4877.8	5227.7	5708.4	6041.6	6228.3	6562.6	7148.4	7458.1	6443.0
57.5°	5020.9	4982.9	5181.9	5646.9	6289.8	6655.4	6889.0	7164.1	7705.2	7838.2	6608.4
60°	5298.1	5285.8	5521.7	6138.9	6982.9	7407.8	7576.6	7825.9	8189.3	8058.4	6567.1
62.5°	5551.9	5547.4	5890.7	6672.1	7717.5	8184.8	8318.9	8384.9	8538.1	8043.9	6238.4
65°	5819.1	5857.1	6321.1	7290.4	8559.3	9017.7	9073.6	8905.9	8655.5	7662.7	5565.3
67.5°	5852.7	5926.4	6591.6	7869.5	9357.5	9790.2	9745.5	9103.8	8308.9	6601.7	4362.4
70°	5234.4	5363.0	6160.1	7957.8	9919.9	10238.5	9915.4	8677.8	7051.1	4782.7	2743.5
72.5°	4373.6	4484.2	5188.6	6786.2	9194.3	9600.1	9163.0	7345.2	4982.9	2743.5	1397.5
75°	3404.3	3532.8	4182.4	5394.3	6883.4	7045.6	6826.4	5122.6	2739.1	1131.4	635.0
77.5°	2077.2	2170.0	2675.3	3654.7	4816.3	4573.7	3876.1	2872.1	1201.8	542.2	392.4
80°	919.0	976.0	1318.1	1963.2	2782.7	2630.6	2073.9	1226.4	657.4	344.3	273.9
82.5°	493.0	529.9	649.6	777.0	1222.0	1277.9	1036.4	706.6	353.3	196.8	156.5
85°	216.9	238.1	295.1	281.7	401.4	394.6	398.0	485.2	168.8	90.6	101.7
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	12.3	64.8	16.8	26.8	23.5
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°	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4	2543.4
2.5°	2516.6	2496.5	2490.9	2484.2	2471.9	2450.6	2435.0	2417.1	2409.3	2400.3	2401.4
5°	2454.0	2429.4	2405.9	2375.7	2337.7	2295.2	2266.2	2232.6	2214.7	2198.0	2202.4
7.5°	2400.3	2362.3	2314.2	2250.5	2182.3	2106.3	2044.8	1996.7	1964.3	1941.9	1953.1
10°	2366.8	2322.1	2238.2	2134.2	2019.1	1902.8	1814.5	1731.8	1680.3	1640.1	1637.9
12.5°	2360.1	2301.9	2180.1	2029.1	1862.6	1707.2	1577.5	1465.7	1397.5	1347.2	1366.2
15°	2366.8	2293.0	2129.8	1931.9	1721.7	1511.5	1350.5	1222.0	1140.3	1094.5	1091.2
17.5°	2374.6	2284.0	2072.7	1826.8	1574.1	1333.8	1147.1	1010.7	926.8	881.0	882.1
20°	2381.3	2270.6	2005.7	1711.6	1424.3	1168.3	974.9	845.2	770.3	736.8	742.3
22.5°	2392.5	2257.2	1934.1	1588.7	1271.2	1008.4	838.5	733.4	688.7	666.3	667.4
25°	2413.7	2249.4	1860.3	1454.5	1120.2	881.0	744.6	674.1	646.2	632.8	631.7
27.5°	2457.3	2256.1	1783.2	1324.8	983.8	783.7	684.2	638.4	619.4	610.4	609.3
30°	2530.0	2282.9	1716.1	1192.9	866.4	707.7	642.8	614.9	603.7	595.9	594.8
32.5°	2640.7	2333.2	1643.4	1069.9	771.4	651.8	610.4	595.9	588.1	583.6	583.6
35°	2808.4	2424.9	1571.9	962.6	697.6	608.2	584.7	579.1	572.4	570.2	572.4
37.5°	3049.9	2571.4	1507.0	868.7	645.1	574.6	556.8	559.0	553.4	556.8	560.1
40°	3356.2	2767.0	1452.3	791.5	605.9	550.0	532.2	540.0	536.6	540.0	545.6
42.5°	3744.1	3009.6	1410.9	731.2	578.0	529.9	513.2	521.0	518.7	523.2	528.8
45°	4176.8	3329.4	1391.9	688.7	557.9	515.4	497.5	503.1	500.9	504.2	509.8
47.5°	4591.6	3620.0	1408.7	664.1	541.1	503.1	484.1	486.3	485.2	484.1	487.4
50°	4949.3	3851.5	1456.7	656.3	529.9	490.8	472.9	474.0	470.7	464.0	466.2
52.5°	5241.1	4037.0	1485.8	656.3	524.3	477.4	460.6	461.7	455.0	446.1	447.2
55°	5433.4	4112.0	1462.3	655.1	522.1	466.2	448.3	449.4	442.7	431.5	432.7
57.5°	5488.2	4039.3	1363.9	642.8	519.9	457.3	436.0	438.3	433.8	421.5	421.5
60°	5335.0	3773.2	1183.9	614.9	514.3	451.7	427.1	430.4	428.2	415.9	415.9
62.5°	4933.7	3300.3	969.3	572.4	498.6	445.0	419.2	426.0	431.5	424.8	423.7
65°	4182.4	2644.0	788.2	525.5	478.5	433.8	408.1	424.8	437.1	446.1	446.1
67.5°	3138.2	1892.8	642.8	476.3	448.3	411.4	393.5	409.2	418.1	423.7	427.1
70°	1912.9	1113.5	506.4	419.2	404.7	377.9	364.5	348.8	336.5	334.3	335.4
72.5°	935.8	637.3	411.4	356.6	345.5	320.9	290.7	284.0	278.4	275.0	273.9
75°	515.4	443.8	339.9	296.3	276.1	246.0	239.2	228.1	225.8	221.4	222.5
77.5°	364.5	349.9	280.6	240.4	210.2	194.5	197.9	190.1	190.1	186.7	185.6
80°	273.9	275.0	215.8	175.5	155.4	149.8	153.2	153.2	150.9	149.8	148.7
82.5°	173.3	195.6	145.3	112.9	110.7	111.8	110.7	109.6	111.8	108.4	107.3
85°	119.6	140.9	88.3	67.1	67.1	66.0	68.2	67.1	69.3	66.0	66.0
87.5°	26.8	62.6	32.4	20.1	21.2	20.1	21.2	22.4	24.6	25.7	25.7
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)