

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: P633858

Luminaire Tested: GWS-SA2F-750-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633858
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-SA2F-750-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15937.1 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

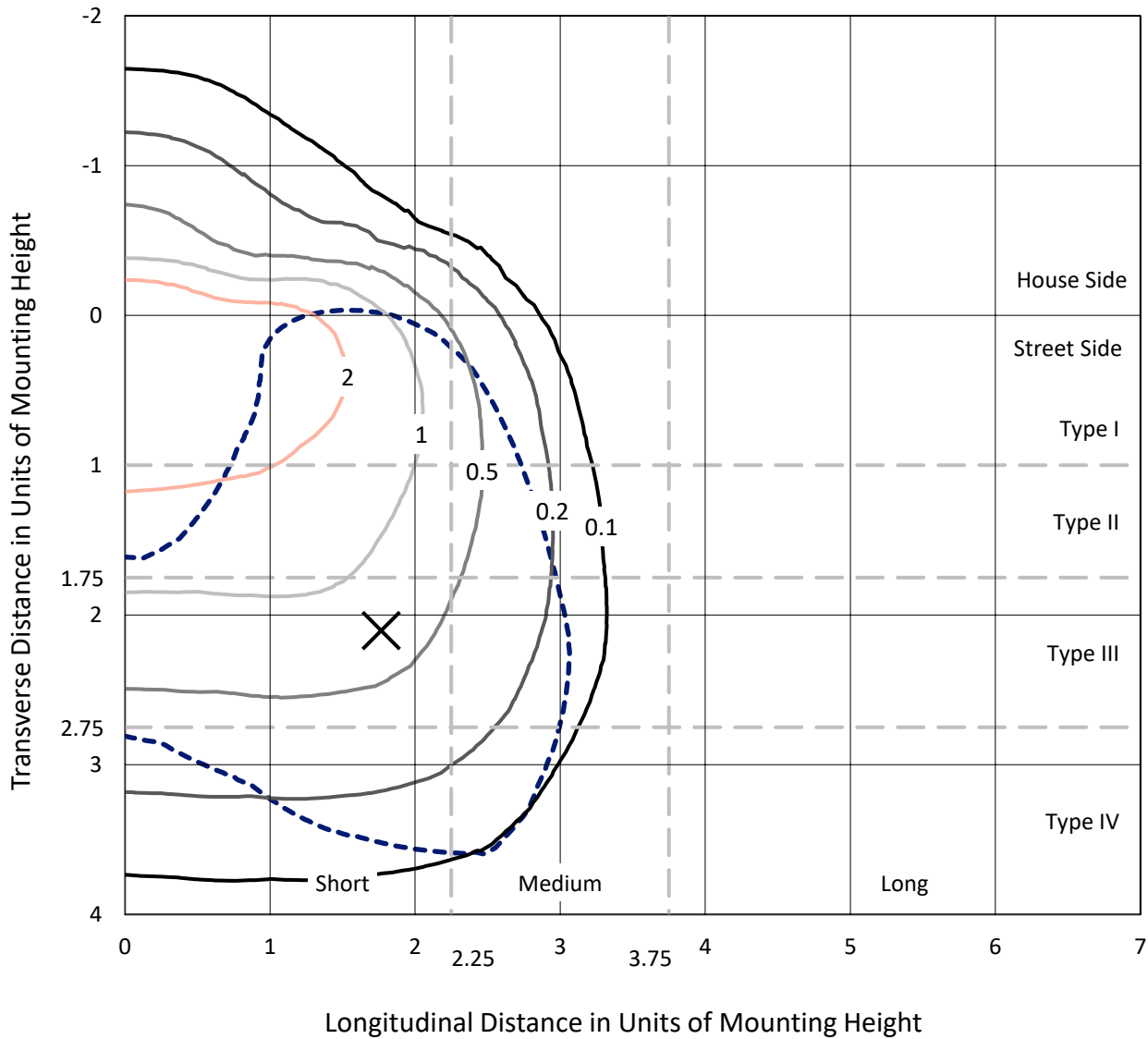
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633858
 CATALOG NUMBER: GWS-SA2F-750-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

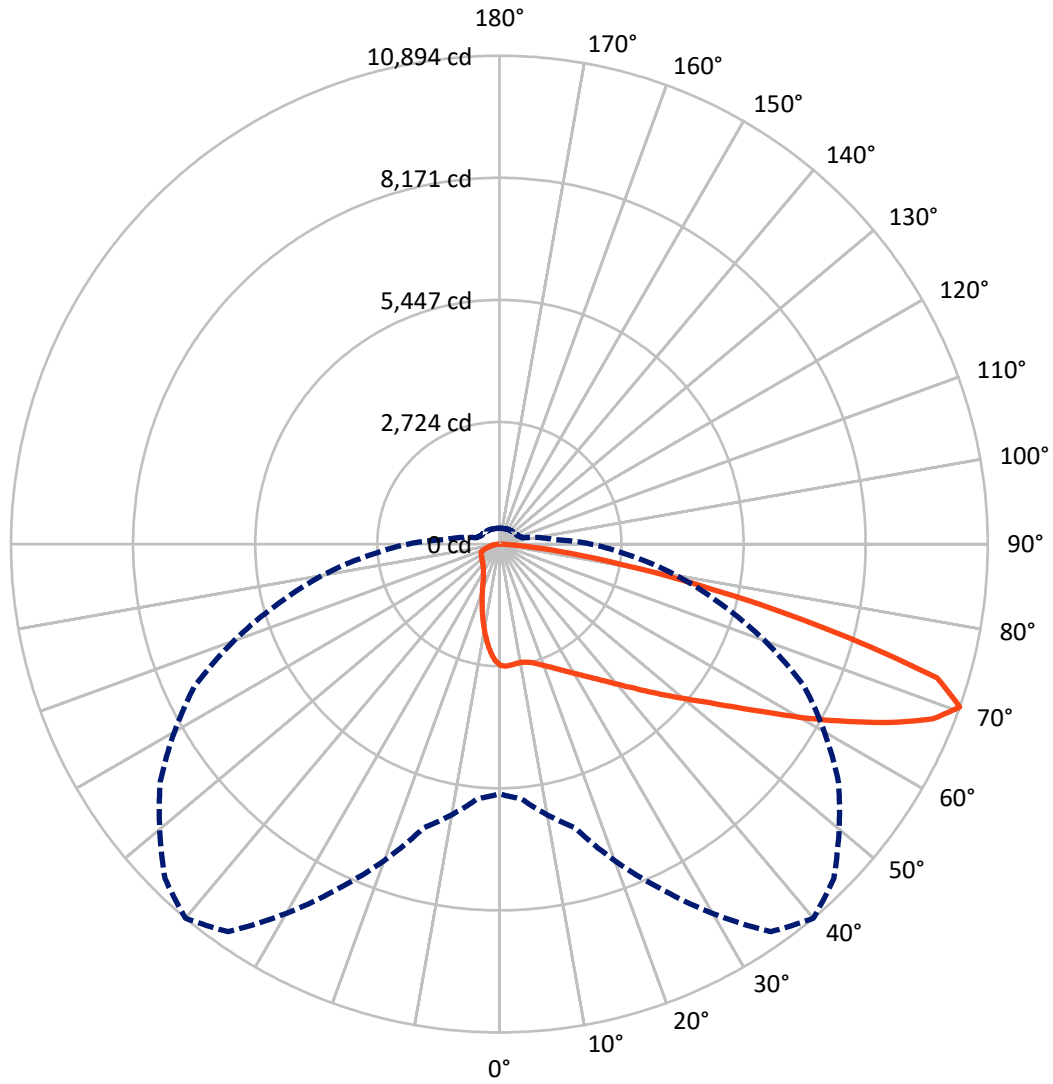
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P633858
CATALOG NUMBER: GWS-SA2F-750-U-SL4-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633858

CATALOG NUMBER: GWS-SA2F-750-U-SL4-W

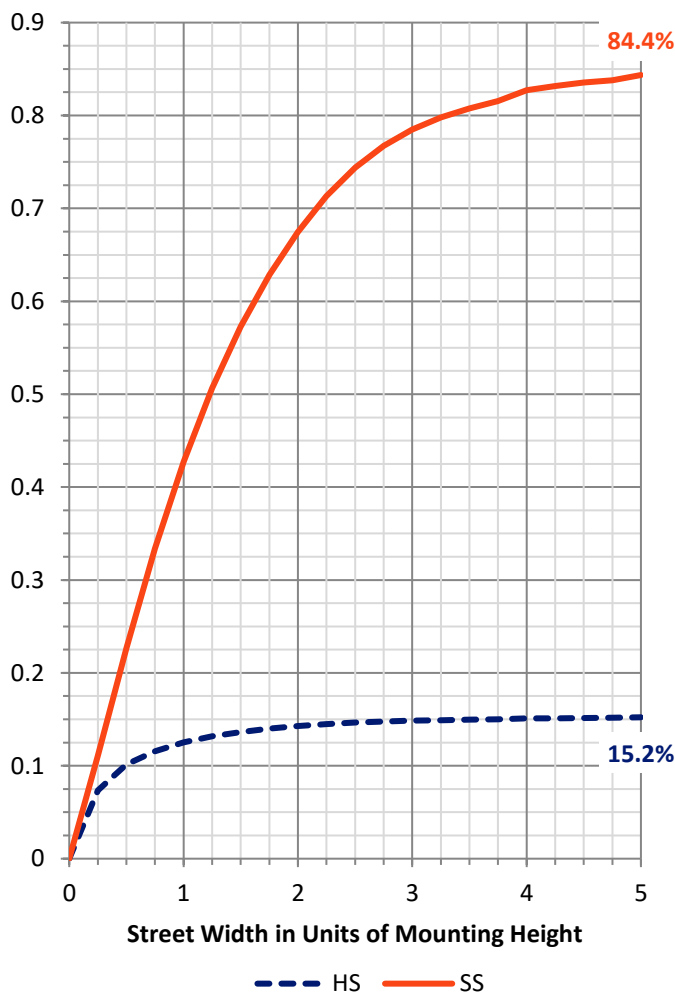
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2454.7	0.0	2454.7
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	13482.4	0.0	13482.4
	% Fixture	84.6	0.0	84.6
Total	Lumens	15937.1	0.0	15937.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.1	1.5
10°-20°	623.2	3.9
20°-30°	978.5	6.1
30°-40°	1471.2	9.2
40°-50°	2270.8	14.2
50°-60°	3372.4	21.2
60°-70°	4250.9	26.7
70°-80°	2458.2	15.4
80°-90°	272.8	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°	15937.1	100.0
0°-180°	15937.1	100.0

Coefficient of Utilization



REPORT NUMBER: P633858

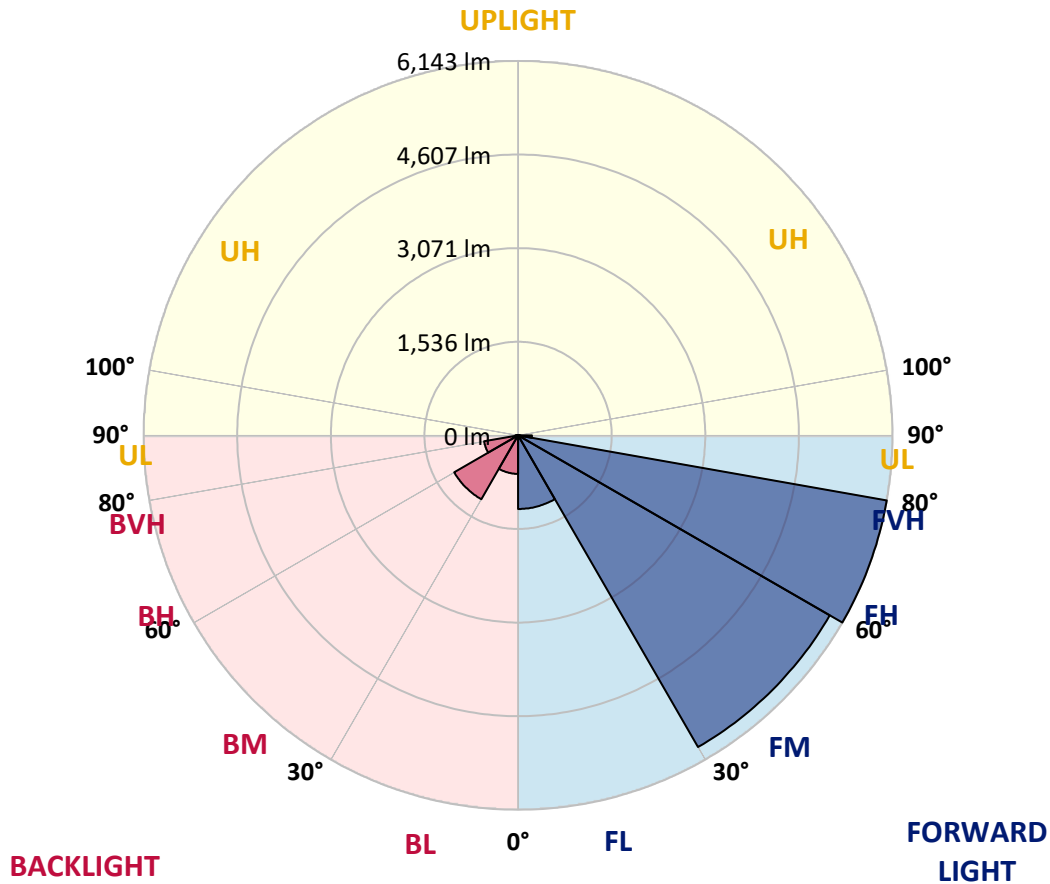
CATALOG NUMBER: GWS-SA2F-750-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1208.2	7.6			
FM (30°-60°)	5904.5	37.0			
FH (60°-80°)	6142.5	38.5			G3/7500
FVH (80°-90°)	227.2	1.4			G3/500
BL (0°-30°)	632.6	4.0	B2/1000		
BM (30°-60°)	1210.0	7.6	B2/2500		
BH (60°-80°)	566.6	3.6	B2/1000		G2/1000
BVH (80°-90°)	45.6	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





REPORT NUMBER: P633858
 CATALOG NUMBER: GWS-SA2F-750-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3
2.5°	2723.0	2727.7	2731.3	2736.0	2733.7	2726.5	2732.5	2732.5	2719.4	2705.1	2692.0
5°	2726.5	2732.5	2731.3	2730.1	2720.6	2708.7	2708.7	2701.5	2678.9	2656.3	2634.9
7.5°	2719.4	2718.2	2717.0	2713.4	2702.7	2689.6	2687.3	2673.0	2643.3	2612.3	2581.4
10°	2687.3	2686.1	2689.6	2698.0	2695.6	2683.7	2683.7	2670.6	2636.1	2598.1	2557.6
12.5°	2661.1	2661.1	2675.4	2698.0	2706.3	2701.5	2702.7	2693.2	2654.0	2608.8	2561.2
15°	2664.7	2665.9	2696.8	2733.7	2749.1	2745.6	2746.7	2736.0	2692.0	2646.8	2582.6
17.5°	2688.5	2694.4	2747.9	2799.1	2819.3	2814.6	2806.2	2788.4	2738.4	2687.3	2608.8
20°	2738.4	2747.9	2816.9	2881.2	2905.0	2894.3	2880.0	2844.3	2789.6	2733.7	2637.3
22.5°	2837.2	2843.1	2919.2	2982.3	3001.3	2988.2	2959.7	2908.5	2845.5	2787.2	2671.8
25°	2976.3	2983.5	3056.0	3114.3	3109.6	3094.1	3054.9	2991.8	2916.9	2855.0	2721.8
27.5°	3141.7	3153.6	3225.0	3271.4	3240.4	3217.8	3173.8	3097.7	3013.2	2957.3	2797.9
30°	3322.5	3327.3	3387.9	3434.3	3386.7	3355.8	3302.3	3220.2	3144.1	3102.4	2912.1
32.5°	3497.4	3502.1	3554.5	3580.6	3530.7	3508.1	3461.7	3374.8	3321.3	3298.7	3082.2
35°	3681.8	3680.6	3723.4	3746.0	3694.8	3685.3	3637.7	3571.1	3561.6	3591.4	3330.8
37.5°	3866.1	3855.4	3878.0	3907.8	3879.2	3888.7	3857.8	3835.2	3872.1	3949.4	3661.5
40°	4013.7	4013.7	4037.4	4074.3	4083.8	4125.5	4107.6	4137.4	4256.3	4440.7	4070.8
42.5°	4144.5	4145.7	4195.7	4252.8	4321.8	4386.0	4400.3	4477.6	4723.8	5012.9	4584.7
45°	4281.3	4282.5	4350.3	4433.6	4579.9	4702.4	4731.0	4904.7	5256.8	5608.9	5142.6
47.5°	4439.5	4426.4	4520.4	4659.6	4867.8	5043.8	5117.6	5363.8	5808.7	6241.7	5668.4
50°	4618.0	4590.6	4695.3	4935.6	5192.5	5434.0	5557.7	5839.7	6401.1	6825.8	6163.2
52.5°	4819.0	4803.5	4913.0	5205.6	5598.2	5876.5	6044.3	6414.2	6976.9	7407.5	6555.8
55°	5068.8	5031.9	5190.2	5562.5	6074.0	6428.5	6627.2	6982.9	7606.2	7935.7	6855.6
57.5°	5342.4	5302.0	5513.7	6008.6	6692.6	7081.6	7330.2	7622.9	8198.6	8340.2	7031.6
60°	5637.4	5624.4	5875.4	6532.0	7430.1	7882.2	8061.8	8327.1	8713.7	8574.5	6987.6
62.5°	5907.5	5902.7	6267.9	7099.4	8211.7	8708.9	8851.7	8921.9	9084.8	8559.1	6637.9
65°	6191.8	6232.2	6725.9	7757.3	9107.5	9595.2	9654.7	9476.2	9209.8	8153.4	5921.7
67.5°	6227.5	6306.0	7013.8	8373.5	9956.8	10417.2	10369.6	9686.8	8841.0	7024.5	4641.8
70°	5569.6	5706.4	6554.6	8467.5	10555.2	10894.2	10550.4	9233.5	7502.7	5089.0	2919.2
72.5°	4653.7	4771.4	5520.9	7220.8	9783.1	10215.0	9749.8	7815.6	5302.0	2919.2	1487.0
75°	3622.3	3759.1	4450.2	5739.7	7324.3	7496.8	7263.6	5450.7	2914.5	1203.9	675.7
77.5°	2210.2	2309.0	2846.7	3888.7	5124.7	4866.6	4124.3	3056.0	1278.8	576.9	417.5
80°	977.8	1038.5	1402.5	2088.9	2960.9	2799.1	2206.7	1305.0	699.5	366.4	291.4
82.5°	524.6	563.9	691.1	826.8	1300.2	1359.7	1102.7	751.8	375.9	209.4	166.5
85°	230.8	253.4	314.1	299.8	427.1	419.9	423.5	516.3	179.6	96.4	108.3
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	13.1	69.0	17.8	28.6	25.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633858
 CATALOG NUMBER: GWS-SA2F-750-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3	2706.3
2.5°	2677.8	2656.3	2650.4	2643.3	2630.2	2607.6	2590.9	2571.9	2563.6	2554.0	2555.2
5°	2611.1	2585.0	2560.0	2527.9	2487.4	2442.2	2411.3	2375.6	2356.6	2338.7	2343.5
7.5°	2554.0	2513.6	2462.4	2394.6	2322.1	2241.2	2175.7	2124.6	2090.1	2066.3	2078.2
10°	2518.3	2470.8	2381.5	2270.9	2148.4	2024.7	1930.7	1842.7	1787.9	1745.1	1742.7
12.5°	2511.2	2449.4	2319.7	2159.1	1981.8	1816.5	1678.5	1559.5	1487.0	1433.4	1453.7
15°	2518.3	2439.8	2266.2	2055.6	1832.0	1608.3	1437.0	1300.2	1213.4	1164.6	1161.0
17.5°	2526.7	2430.3	2205.5	1943.8	1674.9	1419.2	1220.5	1075.4	986.2	937.4	938.6
20°	2533.8	2416.0	2134.1	1821.3	1515.5	1243.1	1037.3	899.3	819.6	783.9	789.9
22.5°	2545.7	2401.8	2058.0	1690.4	1352.6	1073.0	892.2	780.4	732.8	709.0	710.2
25°	2568.3	2393.4	1979.5	1547.6	1192.0	937.4	792.3	717.3	687.6	673.3	672.1
27.5°	2614.7	2400.6	1897.4	1409.7	1046.8	833.9	728.0	679.3	659.0	649.5	648.3
30°	2692.0	2429.1	1826.0	1269.3	921.9	753.0	684.0	654.3	642.4	634.0	632.9
32.5°	2809.8	2482.7	1748.7	1138.4	820.8	693.5	649.5	634.0	625.7	621.0	621.0
35°	2988.2	2580.2	1672.6	1024.2	742.3	647.1	622.2	616.2	609.1	606.7	609.1
37.5°	3245.2	2736.0	1603.6	924.3	686.4	611.4	592.4	594.8	588.8	592.4	596.0
40°	3571.1	2944.2	1545.3	842.2	644.8	585.3	566.2	574.6	571.0	574.6	580.5
42.5°	3983.9	3202.4	1501.3	778.0	615.0	563.9	546.0	554.3	552.0	556.7	562.7
45°	4444.3	3542.6	1481.0	732.8	593.6	548.4	529.4	535.3	532.9	536.5	542.5
47.5°	4885.6	3851.9	1498.9	706.6	575.8	535.3	515.1	517.5	516.3	515.1	518.7
50°	5266.3	4098.1	1550.0	698.3	563.9	522.2	503.2	504.4	500.8	493.7	496.1
52.5°	5576.8	4295.6	1581.0	698.3	557.9	508.0	490.1	491.3	484.2	474.6	475.8
55°	5781.4	4375.3	1556.0	697.1	555.5	496.1	477.0	478.2	471.1	459.2	460.4
57.5°	5839.7	4298.0	1451.3	684.0	553.2	486.5	463.9	466.3	461.6	448.5	448.5
60°	5676.7	4014.8	1259.8	654.3	547.2	480.6	454.4	458.0	455.6	442.5	442.5
62.5°	5249.6	3511.7	1031.4	609.1	530.6	473.5	446.1	453.2	459.2	452.0	450.9
65°	4450.2	2813.4	838.7	559.1	509.1	461.6	434.2	452.0	465.1	474.6	474.6
67.5°	3339.2	2014.0	684.0	506.8	477.0	437.8	418.7	435.4	444.9	450.9	454.4
70°	2035.4	1184.8	538.9	446.1	430.6	402.1	387.8	371.2	358.1	355.7	356.9
72.5°	995.7	678.1	437.8	379.5	367.6	341.4	309.3	302.2	296.2	292.6	291.4
75°	548.4	472.3	361.6	315.2	293.8	261.7	254.6	242.7	240.3	235.5	236.7
77.5°	387.8	372.3	298.6	255.8	223.6	207.0	210.6	202.2	202.2	198.7	197.5
80°	291.4	292.6	229.6	186.8	165.4	159.4	163.0	163.0	160.6	159.4	158.2
82.5°	184.4	208.2	154.6	120.1	117.8	119.0	117.8	116.6	119.0	115.4	114.2
85°	127.3	149.9	94.0	71.4	71.4	70.2	72.6	71.4	73.8	70.2	70.2
87.5°	28.6	66.6	34.5	21.4	22.6	21.4	22.6	23.8	26.2	27.4	27.4
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)