

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: P635801

Luminaire Tested: GWS-SA3E-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13580.1 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

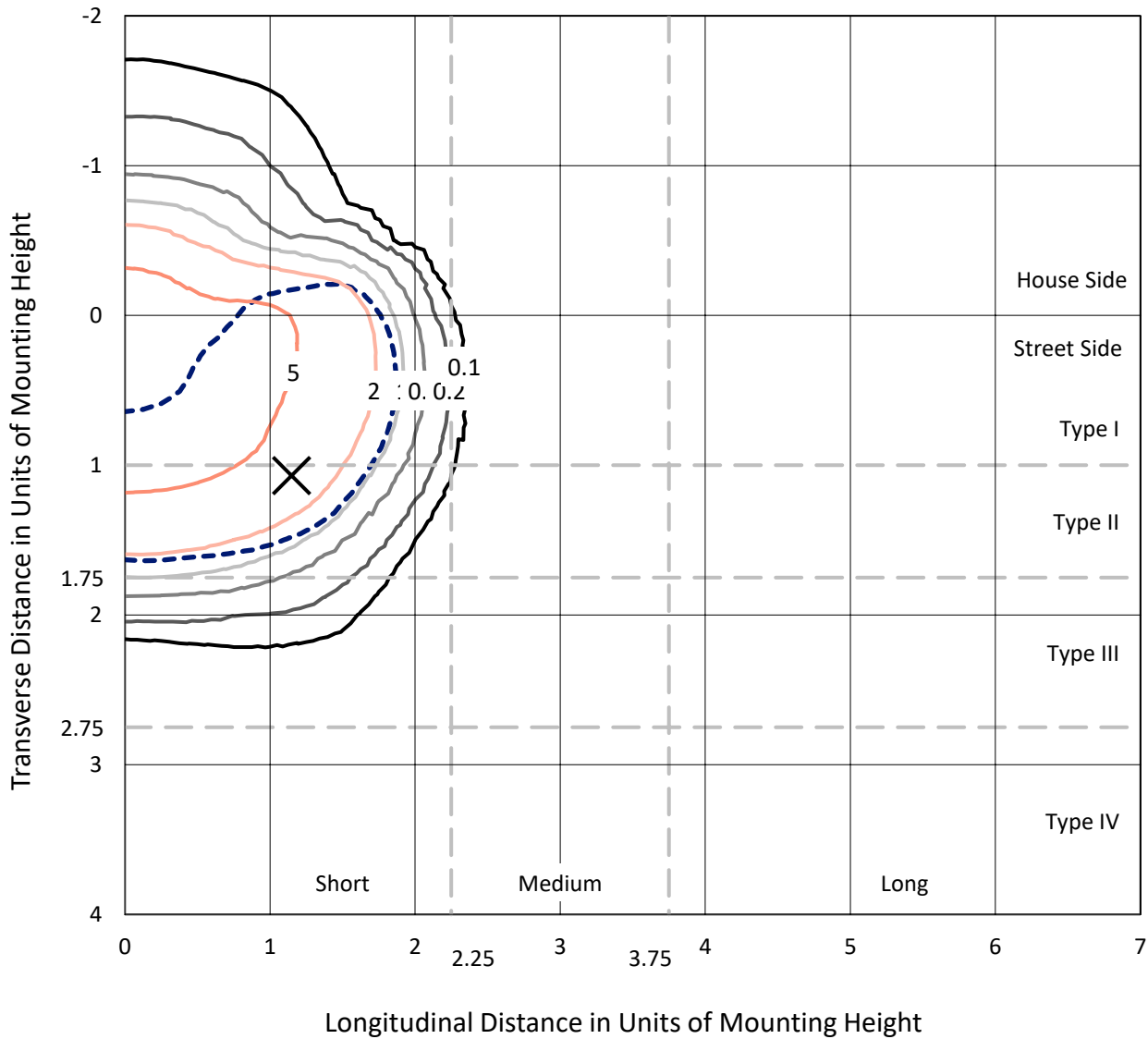
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

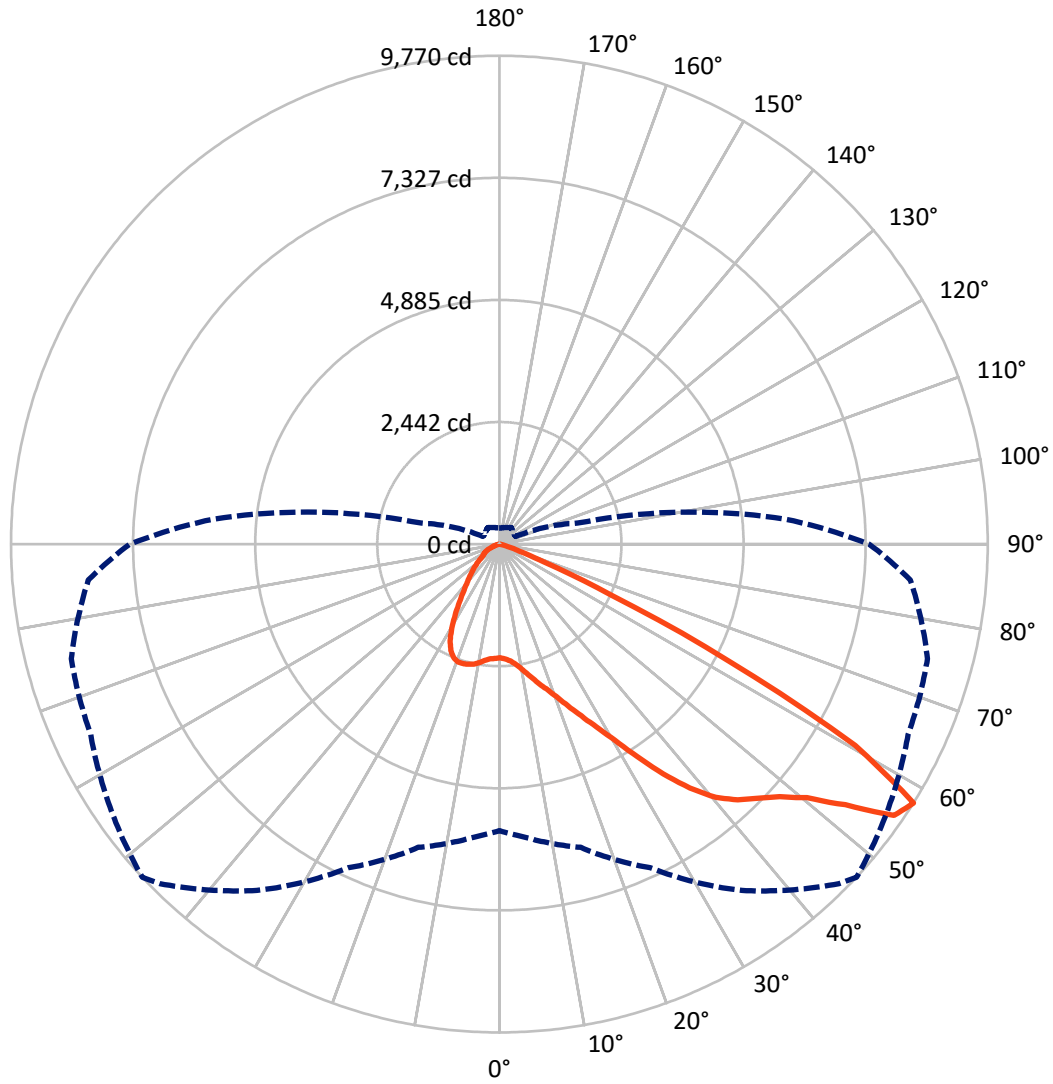
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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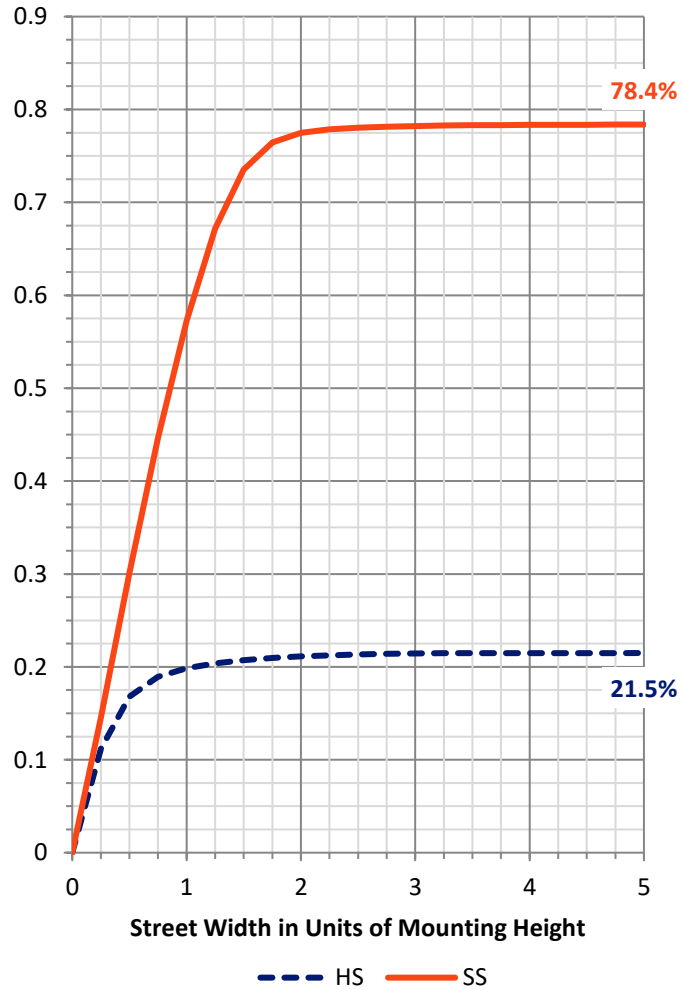
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2946.2	0.0	2946.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	10633.9	0.0	10633.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	13580.1	0.0	13580.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	1.7
10°-20°	763.1	5.6
20°-30°	1417.0	10.4
30°-40°	2268.3	16.7
40°-50°	3315.8	24.4
50°-60°	4092.3	30.1
60°-70°	1367.4	10.1
70°-80°	127.4	0.9
80°-90°	2.7	0.0
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°	13580.1	100.0
0°-180°	13580.1	100.0

Coefficient of Utilization



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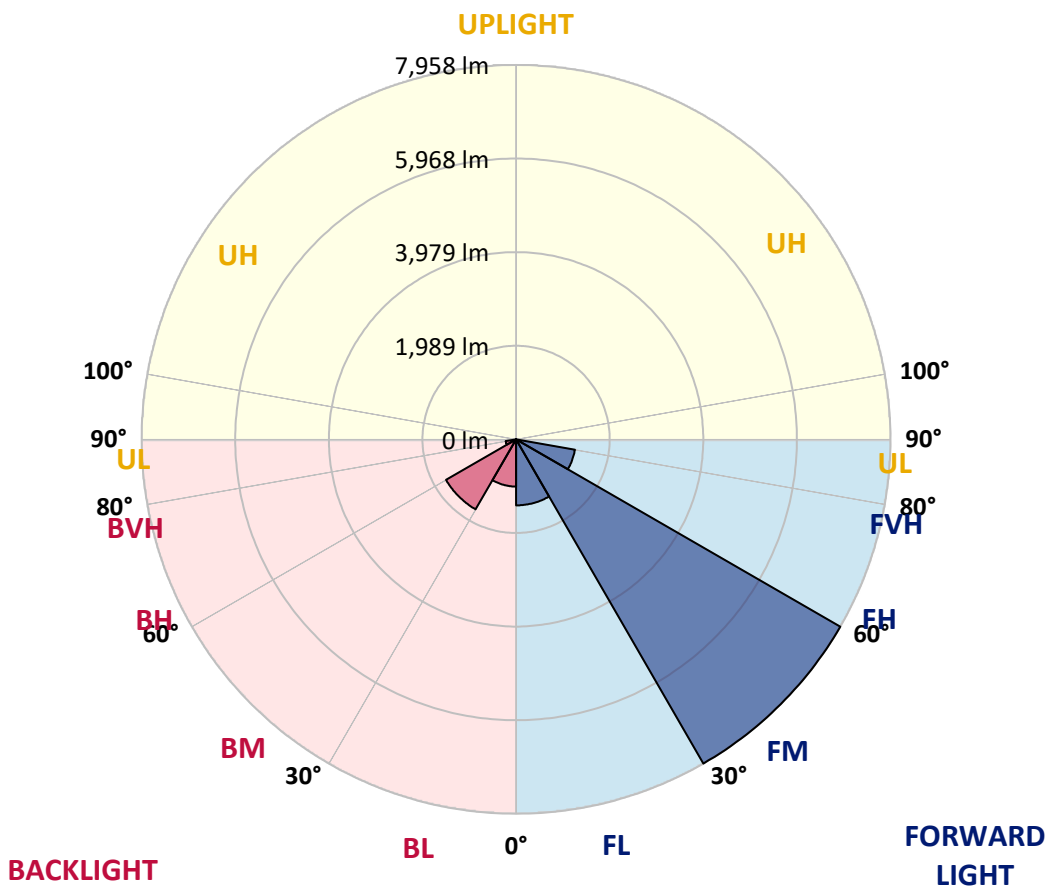
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.5	10.3			
FM (30°-60°)	7957.8	58.6			
FH (60°-80°)	1270.8	9.4			G1/1800
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	1002.8	7.4	B3/2500		
BM (30°-60°)	1718.5	12.7	B2/2500		
BH (60°-80°)	224.0	1.6	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3
2.5°	2297.0	2295.4	2293.8	2303.3	2300.1	2298.5	2301.7	2301.7	2301.7	2292.2	2273.3
5°	2352.1	2352.1	2350.6	2360.0	2352.1	2347.4	2349.0	2349.0	2342.7	2325.3	2301.7
7.5°	2438.9	2435.7	2432.6	2442.0	2434.1	2432.6	2435.7	2426.2	2415.2	2386.8	2353.7
10°	2563.4	2563.4	2558.7	2568.1	2561.8	2558.7	2558.7	2552.4	2531.9	2487.7	2438.9
12.5°	2735.2	2727.4	2716.3	2708.4	2705.3	2703.7	2705.3	2695.8	2673.8	2617.0	2549.2
15°	2922.8	2916.5	2899.2	2886.6	2869.2	2866.1	2875.5	2867.7	2845.6	2768.3	2672.2
17.5°	3159.3	3167.2	3123.1	3096.3	3045.8	3042.7	3045.8	3058.4	3042.7	2943.3	2803.0
20°	3361.1	3367.4	3334.3	3315.4	3269.7	3249.2	3255.5	3276.0	3258.6	3142.0	2946.5
22.5°	3577.1	3585.0	3550.3	3510.9	3490.4	3490.4	3514.0	3542.4	3518.8	3365.8	3110.4
25°	3835.6	3841.9	3813.6	3761.5	3725.3	3771.0	3805.7	3881.4	3841.9	3633.8	3304.4
27.5°	4132.0	4133.6	4092.6	4039.0	4020.1	4105.2	4139.9	4256.6	4240.8	3935.0	3509.3
30°	4448.9	4450.5	4441.0	4404.8	4387.4	4499.4	4546.6	4715.3	4704.3	4308.6	3788.3
32.5°	4778.4	4778.4	4795.7	4792.6	4813.1	4996.0	5071.6	5264.0	5252.9	4765.8	4135.2
35°	5109.5	5111.0	5141.0	5216.7	5301.8	5544.6	5643.9	5877.2	5852.0	5312.8	4578.2
37.5°	5486.2	5470.5	5511.5	5625.0	5814.2	6094.8	6189.4	6411.7	6383.3	5872.5	5156.8
40°	5940.3	5911.9	5911.9	6044.3	6258.7	6581.9	6662.3	6772.7	6676.5	6324.9	5724.3
42.5°	6441.6	6414.8	6380.1	6496.8	6676.5	6928.7	6995.0	6965.0	6886.2	6752.2	6370.7
45°	6949.2	6908.3	6931.9	7002.8	7106.9	7226.7	7251.9	7113.2	7076.9	7114.8	6905.1
47.5°	7335.5	7307.1	7365.4	7464.8	7549.9	7567.2	7549.9	7357.6	7354.4	7488.4	7275.6
50°	7464.8	7467.9	7628.7	7846.3	7983.4	7997.6	7974.0	7753.3	7723.3	7762.7	7475.8
52.5°	7477.4	7490.0	7724.9	8139.5	8513.1	8683.4	8664.5	8426.4	8133.2	8090.6	7778.5
55°	7173.1	7247.2	7575.1	8180.5	8975.1	9519.0	9582.0	9126.4	8691.3	8655.0	8429.6
57.5°	5733.8	5885.1	6280.8	7143.2	8459.5	9605.7	9769.6	9441.7	9020.8	8866.3	8254.6
60°	3427.3	3614.9	3994.9	5052.7	6438.5	7895.1	8177.3	8223.1	8029.2	7583.0	6332.8
62.5°	1470.9	1455.1	1923.3	2733.7	3829.3	5018.0	5145.7	5344.4	5513.0	5046.4	3843.5
65°	504.5	548.6	763.0	1232.8	1917.0	2330.1	2443.6	2621.7	2861.4	2361.6	1407.8
67.5°	312.1	331.1	439.8	728.3	1034.2	1018.4	968.0	939.6	914.4	625.9	386.2
70°	227.0	242.8	309.0	501.3	695.2	488.7	424.1	343.7	381.5	351.6	274.3
72.5°	152.9	165.5	212.8	304.3	356.3	238.1	220.7	250.7	302.7	288.5	223.9
75°	91.4	99.3	121.4	148.2	145.0	123.0	124.5	176.6	231.7	216.0	159.2
77.5°	63.1	66.2	80.4	96.2	70.9	37.8	34.7	48.9	78.8	78.8	53.6
80°	15.8	20.5	20.5	12.6	11.0	9.5	9.5	14.2	22.1	15.8	7.9
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2
85°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
87.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
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°	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3	2273.3
2.5°	2284.4	2265.4	2278.1	2274.9	2284.4	2287.5	2273.3	2270.2	2271.7	2252.8	2246.5
5°	2306.4	2284.4	2290.7	2284.4	2295.4	2304.9	2300.1	2306.4	2314.3	2300.1	2293.8
7.5°	2353.7	2331.7	2330.1	2320.6	2336.4	2342.7	2341.1	2358.5	2374.2	2364.8	2355.3
10°	2435.7	2405.7	2402.6	2394.7	2399.4	2404.2	2386.8	2390.0	2404.2	2393.1	2388.4
12.5°	2536.6	2500.3	2492.5	2473.5	2473.5	2449.9	2412.1	2404.2	2415.2	2407.3	2399.4
15°	2645.4	2596.5	2583.9	2550.8	2519.3	2475.1	2435.7	2426.2	2434.1	2424.7	2418.4
17.5°	2766.8	2711.6	2670.6	2612.3	2542.9	2490.9	2446.7	2426.2	2413.6	2394.7	2393.1
20°	2886.6	2814.1	2744.7	2651.7	2560.2	2481.4	2408.9	2355.3	2309.6	2281.2	2270.2
22.5°	3025.3	2918.1	2806.2	2675.3	2544.5	2424.7	2297.0	2205.5	2126.7	2099.9	2087.3
25°	3173.5	3034.8	2867.7	2697.4	2490.9	2298.5	2125.1	1989.6	1885.5	1850.8	1836.6
27.5°	3337.5	3146.7	2930.7	2692.7	2380.5	2118.8	1888.7	1720.0	1617.5	1586.0	1597.0
30°	3545.6	3291.7	3009.6	2643.8	2215.0	1866.6	1597.0	1455.1	1377.9	1347.9	1349.5
32.5°	3823.0	3499.8	3124.6	2539.8	2002.2	1579.7	1343.2	1239.1	1187.1	1147.7	1144.5
35°	4220.3	3816.7	3231.8	2372.6	1743.6	1324.3	1152.4	1070.4	997.9	952.2	960.1
37.5°	4696.4	4215.6	3290.2	2147.2	1453.5	1125.6	1009.0	925.4	843.4	775.6	783.5
40°	5260.8	4737.4	3285.4	1850.8	1188.7	990.0	889.2	791.4	688.9	627.4	633.8
42.5°	5889.8	5230.9	3183.0	1537.1	985.3	879.7	774.1	651.1	551.8	513.9	515.5
45°	6435.3	5631.3	3003.2	1212.3	829.2	772.5	654.3	528.1	484.0	457.2	455.6
47.5°	6838.9	5924.5	2746.3	953.8	703.1	674.7	537.6	473.0	438.3	416.2	413.0
50°	7064.3	6027.0	2462.5	747.3	594.3	572.3	480.8	428.8	405.2	391.0	387.8
52.5°	7367.0	6150.0	2259.1	589.6	498.2	468.2	443.0	398.9	383.1	372.1	367.3
55°	7846.3	6388.0	2082.6	468.2	414.6	408.3	417.8	381.5	372.1	354.7	348.4
57.5°	7395.4	5738.5	1617.5	362.6	350.0	373.6	403.6	364.2	340.5	324.8	318.5
60°	5204.1	3815.1	813.5	291.7	312.1	350.0	379.9	329.5	305.8	309.0	305.8
62.5°	2869.2	1909.2	365.7	244.4	271.2	309.0	324.8	285.3	269.6	296.4	301.1
65°	938.0	649.5	211.3	189.2	214.4	252.2	280.6	271.2	268.0	299.5	309.0
67.5°	288.5	214.4	143.5	135.6	148.2	186.0	236.5	293.2	315.3	324.8	329.5
70°	216.0	168.7	123.0	115.1	121.4	141.9	200.2	244.4	230.2	231.7	228.6
72.5°	173.4	134.0	105.6	100.9	100.9	97.7	105.6	132.4	149.8	157.7	157.7
75°	121.4	94.6	80.4	74.1	58.3	47.3	42.6	42.6	37.8	36.3	34.7
77.5°	41.0	34.7	31.5	25.2	17.3	14.2	12.6	11.0	7.9	4.7	3.2
80°	6.3	4.7	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
85°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.2	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0
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)