

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: P636881

Luminaire Tested: GWS-SA4B-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14308.4 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

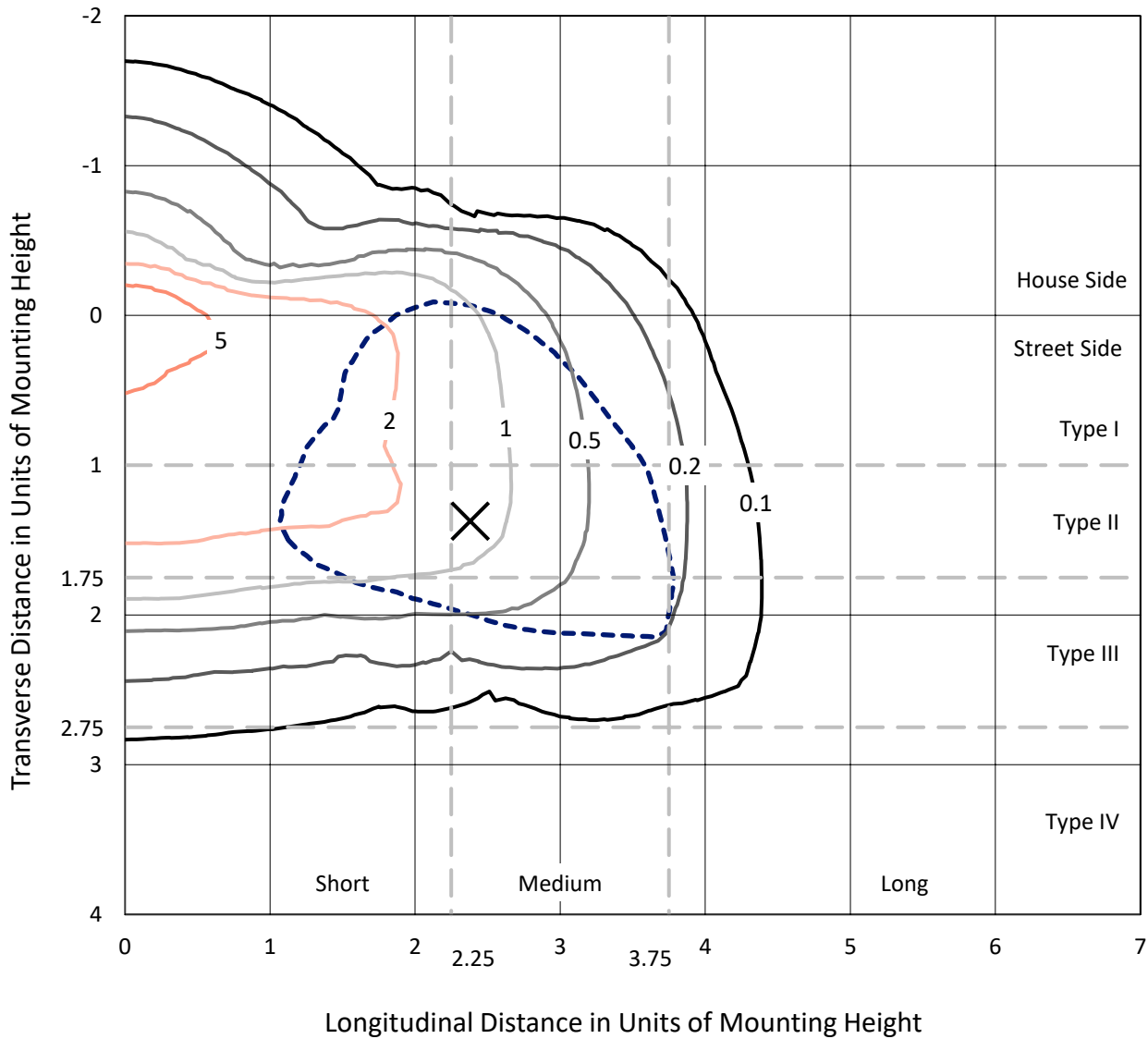
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

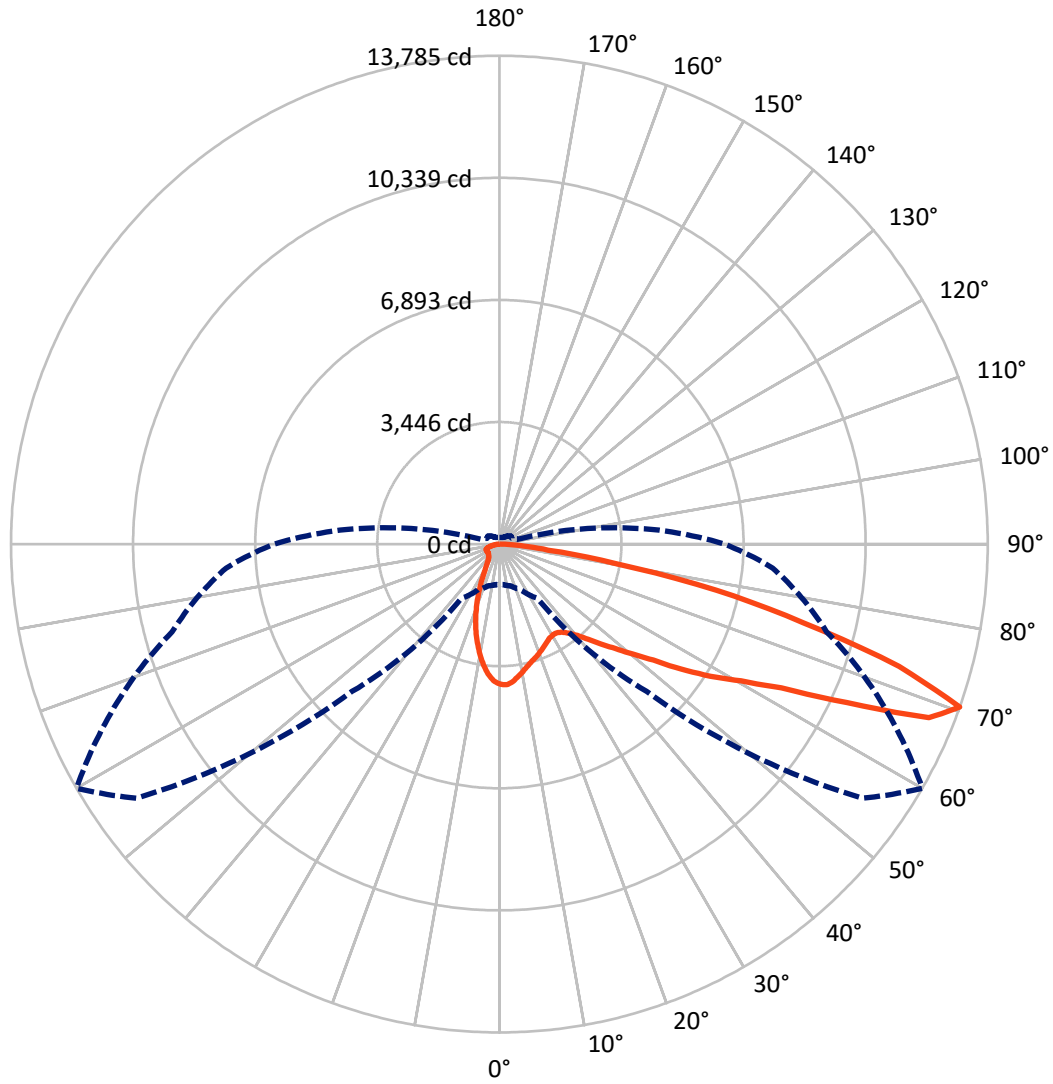
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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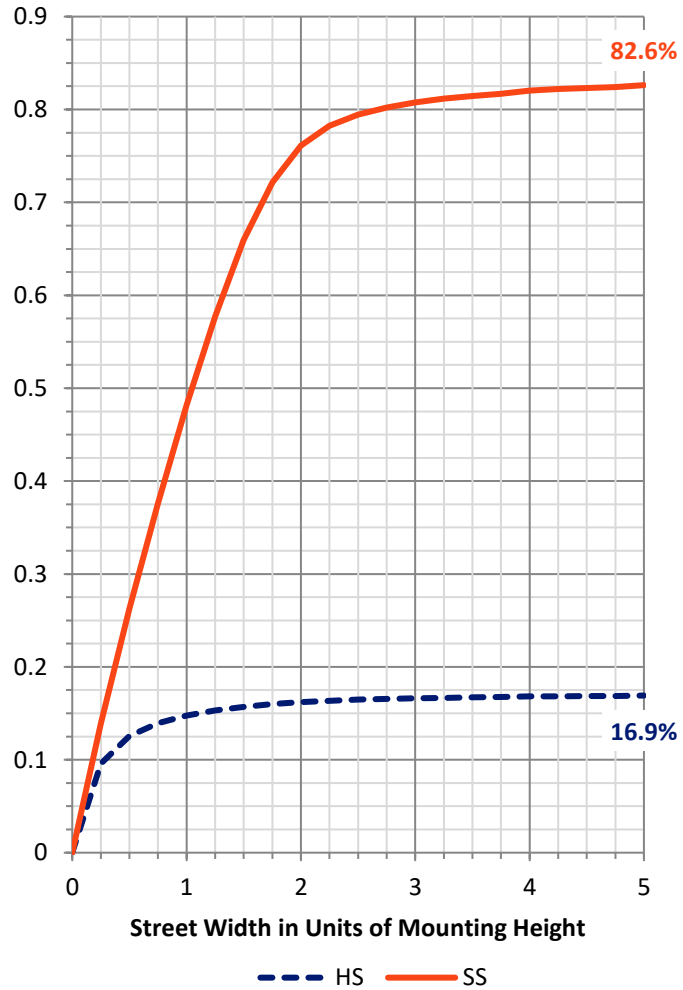
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2447.1	0.0	2447.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	11861.3	0.0	11861.3
	% Fixture	82.9	0.0	82.9
Total	Lumens	14308.4	0.0	14308.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.3	2.4
10°-20°	764.6	5.3
20°-30°	979.2	6.8
30°-40°	1286.9	9.0
40°-50°	1867.0	13.0
50°-60°	2913.0	20.4
60°-70°	3813.7	26.7
70°-80°	2108.8	14.7
80°-90°	234.0	1.6
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°	14308.4	100.0
0°-180°	14308.4	100.0

Coefficient of Utilization



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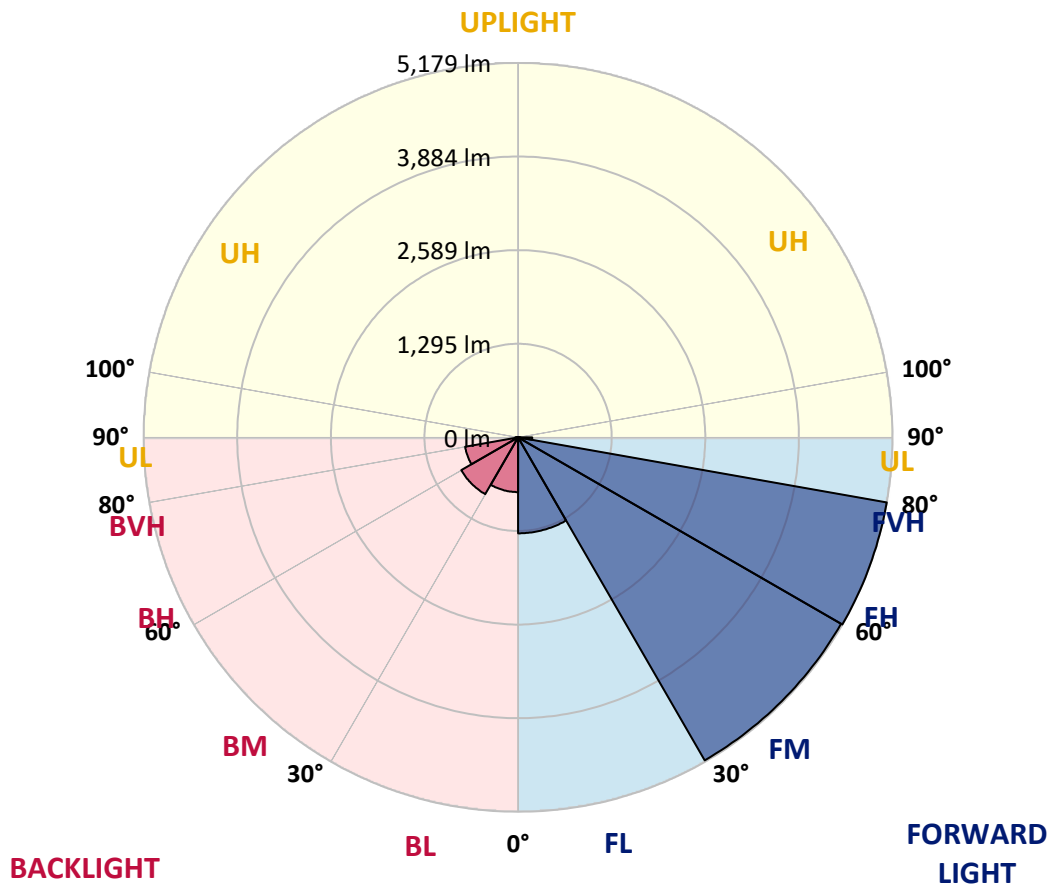
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1327.9	9.3			
FM (30°-60°)	5159.6	36.1			
FH (60°-80°)	5178.9	36.2			G3/7500
FVH (80°-90°)	195.0	1.4			G2/225
BL (0°-30°)	757.1	5.3	B2/1000		
BM (30°-60°)	907.3	6.3	B1/1000		
BH (60°-80°)	743.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	39.0	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3
2.5°	3903.8	3908.0	3919.5	3936.3	3953.0	3961.4	3982.4	3976.1	3971.9	3963.5	3953.0
5°	3731.1	3739.5	3749.9	3782.4	3819.0	3848.3	3895.5	3900.7	3902.8	3907.0	3890.2
7.5°	3511.3	3513.3	3538.5	3581.4	3629.6	3679.8	3758.3	3780.3	3799.1	3820.1	3806.5
10°	3268.4	3273.6	3292.5	3354.2	3436.9	3511.3	3617.0	3653.6	3693.4	3739.5	3720.6
12.5°	3069.5	3070.5	3100.9	3166.8	3256.9	3357.4	3489.3	3533.2	3585.6	3657.8	3641.1
15°	2911.4	2911.4	2939.7	2996.2	3099.8	3218.1	3375.2	3431.7	3502.9	3600.2	3570.9
17.5°	2785.8	2786.8	2804.6	2864.3	2956.4	3087.3	3273.6	3350.0	3428.5	3557.3	3513.3
20°	2719.8	2714.6	2717.7	2754.4	2832.9	2959.5	3172.1	3261.0	3366.8	3528.0	3461.0
22.5°	2716.7	2707.2	2693.6	2696.8	2742.8	2847.5	3063.2	3171.0	3304.0	3503.9	3407.6
25°	2770.1	2759.6	2735.5	2708.3	2704.1	2766.9	2960.6	3083.1	3239.1	3493.5	3356.3
27.5°	2860.1	2852.8	2821.4	2780.5	2737.6	2735.5	2883.1	3010.8	3192.0	3503.9	3319.7
30°	2979.4	2966.9	2947.0	2894.6	2829.7	2762.7	2852.8	2972.1	3160.5	3537.4	3304.0
32.5°	3114.5	3107.2	3088.3	3036.0	2966.9	2860.1	2876.8	2980.5	3160.5	3596.1	3307.1
35°	3257.9	3256.9	3256.9	3222.3	3145.9	3012.9	2972.1	3051.7	3208.7	3690.3	3340.6
37.5°	3397.1	3396.1	3429.6	3442.2	3355.3	3211.8	3134.4	3194.0	3314.4	3829.5	3423.3
40°	3510.2	3514.4	3587.7	3650.5	3602.3	3469.4	3360.5	3390.9	3486.1	4027.4	3567.8
42.5°	3624.3	3635.8	3745.8	3856.7	3875.6	3760.4	3650.5	3668.3	3732.1	4289.1	3783.4
45°	3748.9	3754.1	3908.0	4063.0	4154.0	4086.0	3996.0	4020.0	4034.7	4612.6	4104.8
47.5°	3869.3	3882.9	4081.8	4294.3	4467.1	4460.8	4410.5	4403.2	4406.3	5006.2	4484.9
50°	4033.6	4053.5	4287.0	4543.5	4796.8	4913.0	4927.7	4872.2	4849.2	5443.8	4958.0
52.5°	4345.6	4345.6	4555.0	4807.3	5147.5	5435.4	5533.8	5442.8	5369.5	5906.5	5460.6
55°	4736.1	4752.9	4919.3	5123.5	5554.8	5985.0	6318.0	6217.5	6010.2	6410.1	5987.1
57.5°	4909.9	4930.8	5194.6	5511.9	6087.6	6610.0	7071.7	7036.1	6733.6	6933.5	6533.6
60°	4595.8	4639.8	5003.1	5534.9	6570.3	7618.2	7943.8	7840.1	7407.8	7483.1	7126.1
62.5°	3833.7	3881.8	4284.9	5027.1	6503.3	8708.0	9318.3	8936.2	8249.5	8177.2	7915.5
65°	2287.4	2285.4	2770.1	3754.1	5677.3	9010.5	11493.8	10780.8	9549.7	9129.9	8727.9
67.5°	1454.1	1451.0	1552.5	1989.1	3778.2	8269.3	12892.4	13077.7	11315.8	9830.3	8794.9
70°	1147.4	1146.3	1219.6	1418.5	1868.7	5884.5	12502.9	13785.4	12382.6	9563.3	7743.8
72.5°	836.5	838.6	951.6	1188.2	1441.6	2954.3	10124.4	11795.3	11389.1	8442.1	6286.5
75°	600.9	604.1	672.1	909.7	1329.5	1615.3	6732.5	8869.2	8665.1	6767.1	4324.7
77.5°	382.1	386.3	446.0	637.6	1074.1	1304.4	4081.8	6261.4	5765.2	3812.8	1537.9
80°	233.5	247.1	297.3	475.3	858.4	978.8	2040.4	3298.7	2887.3	1045.8	517.2
82.5°	120.4	130.9	179.0	294.2	591.5	859.5	1154.7	1386.1	894.0	437.6	275.3
85°	37.7	44.0	62.8	119.3	281.6	532.9	764.2	688.9	410.4	206.2	127.7
87.5°	9.4	9.4	10.5	10.5	11.5	24.1	147.6	156.0	108.9	64.9	52.3
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°	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3	3959.3
2.5°	3932.1	3907.0	3896.5	3895.5	3869.3	3831.6	3806.5	3788.7	3778.2	3776.1	3776.1
5°	3862.0	3829.5	3786.6	3754.1	3684.0	3612.8	3553.1	3519.6	3480.9	3475.7	3474.6
7.5°	3768.8	3721.7	3640.0	3548.9	3426.5	3308.2	3207.7	3139.6	3071.6	3059.0	3054.8
10°	3668.3	3604.4	3465.2	3305.0	3121.8	2944.9	2791.0	2670.6	2591.0	2534.5	2524.0
12.5°	3568.8	3484.0	3279.9	3041.2	2789.9	2548.1	2316.8	2119.9	1977.6	1894.9	1880.2
15°	3475.7	3357.4	3077.8	2773.2	2446.6	2115.8	1788.1	1532.6	1332.7	1261.5	1244.7
17.5°	3390.9	3243.3	2882.1	2495.8	2088.5	1656.2	1283.5	1056.3	939.1	903.5	895.1
20°	3306.1	3126.0	2683.2	2203.7	1708.5	1223.8	938.0	831.2	787.3	773.6	769.5
22.5°	3215.0	2997.2	2466.5	1915.8	1324.3	916.0	767.4	720.3	706.6	707.7	706.6
25°	3123.9	2866.4	2239.3	1602.8	986.2	743.3	670.0	652.2	655.4	664.8	666.9
27.5°	3048.5	2750.2	2016.3	1259.4	770.5	639.6	605.1	604.1	615.6	628.1	630.2
30°	2994.1	2646.5	1796.5	968.4	634.4	568.5	554.8	561.1	574.7	584.2	587.3
32.5°	2955.4	2557.5	1562.0	761.1	555.9	518.2	511.9	518.2	526.6	536.0	538.1
35°	2941.7	2492.6	1331.6	620.8	502.5	481.6	477.4	480.5	484.7	489.9	492.0
37.5°	2972.1	2460.2	1090.9	540.2	470.1	457.5	451.2	449.1	450.2	452.3	453.3
40°	3062.1	2474.8	894.0	493.1	449.1	437.6	427.1	422.9	421.9	424.0	422.9
42.5°	3217.1	2536.6	751.7	465.9	432.4	415.6	404.1	399.9	399.9	405.1	405.1
45°	3444.3	2658.0	649.1	446.0	417.7	396.8	384.2	382.1	386.3	394.7	395.7
47.5°	3777.2	2836.0	587.3	431.3	404.1	380.0	367.5	366.4	374.8	388.4	389.4
50°	4171.8	3092.5	553.8	420.8	394.7	366.4	353.8	354.9	364.3	379.0	382.1
52.5°	4647.1	3442.2	555.9	416.7	389.4	358.0	345.5	343.4	352.8	367.5	370.6
55°	5138.1	3867.2	596.7	417.7	382.1	353.8	337.1	329.8	338.1	348.6	349.7
57.5°	5678.3	4346.7	698.3	415.6	372.7	349.7	329.8	313.0	318.3	324.5	327.7
60°	6287.6	4910.9	917.1	419.8	368.5	340.2	315.1	293.1	292.1	296.3	297.3
62.5°	7102.1	5678.3	1163.1	427.1	377.9	328.7	293.1	270.1	265.9	268.0	269.0
65°	7725.0	6044.7	1085.6	420.8	397.8	320.3	272.2	248.1	239.7	237.6	237.6
67.5°	7471.6	5560.0	755.9	404.1	407.2	321.4	255.4	225.1	214.6	209.4	208.3
70°	6357.7	4516.3	525.5	387.3	396.8	319.3	237.6	206.2	192.6	185.3	184.3
72.5°	5023.0	3448.4	425.0	353.8	360.1	287.9	211.5	185.3	173.8	164.4	164.4
75°	3232.8	2104.2	354.9	315.1	294.2	224.0	183.2	165.4	153.9	144.5	144.5
77.5°	1087.7	781.0	275.3	267.0	219.8	168.5	153.9	142.4	133.0	124.6	123.5
80°	441.8	370.6	202.0	202.0	153.9	128.8	120.4	115.2	108.9	98.4	98.4
82.5°	256.5	225.1	141.3	122.5	102.6	89.0	83.8	78.5	78.5	71.2	71.2
85°	123.5	124.6	84.8	75.4	58.6	51.3	49.2	46.1	45.0	40.8	39.8
87.5°	67.0	68.0	42.9	33.5	23.0	19.9	16.8	15.7	14.7	13.6	13.6
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)