

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: P634791

Luminaire Tested: GWS-SA3C-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634791
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-SA3C-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13668 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

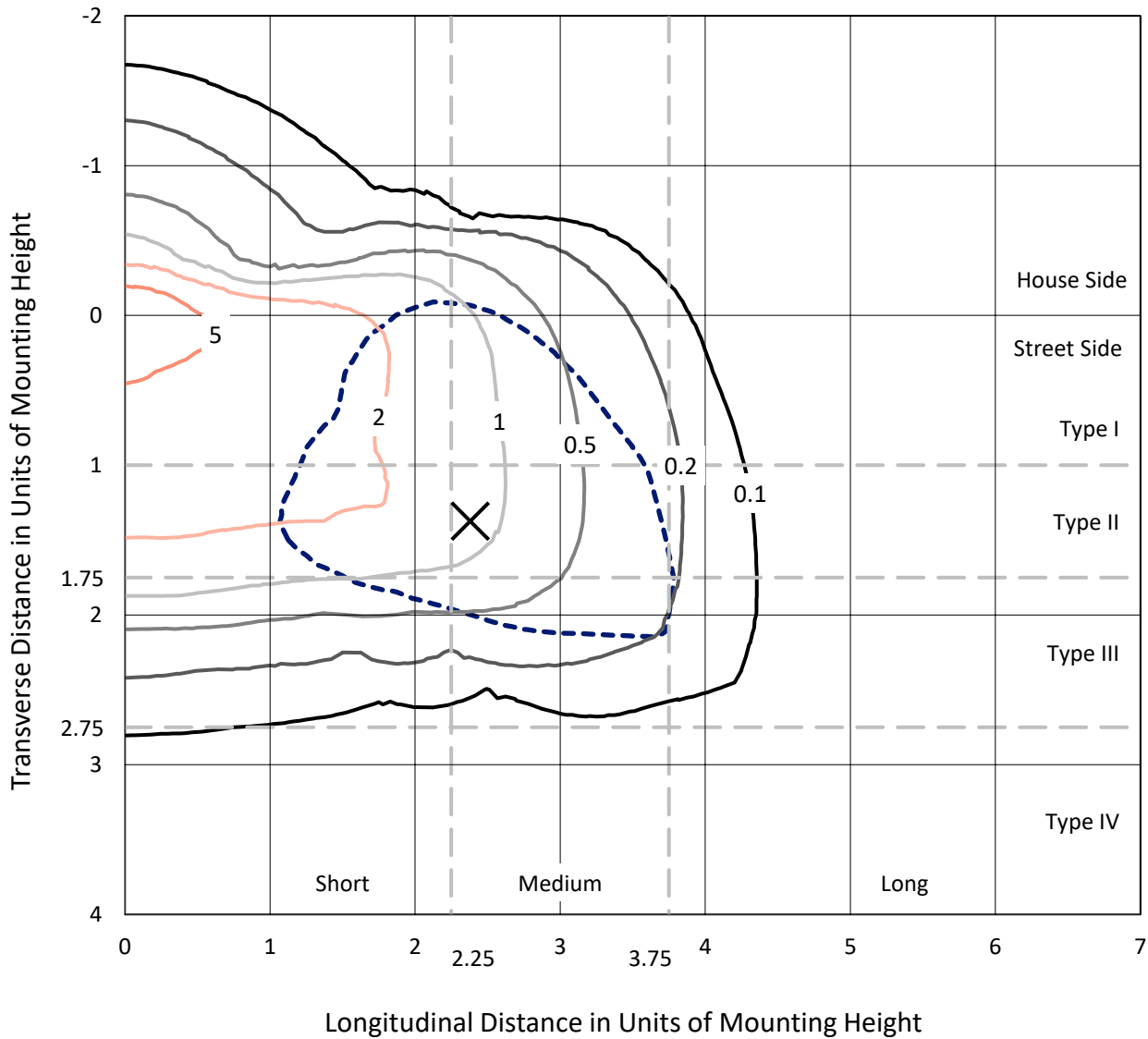
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

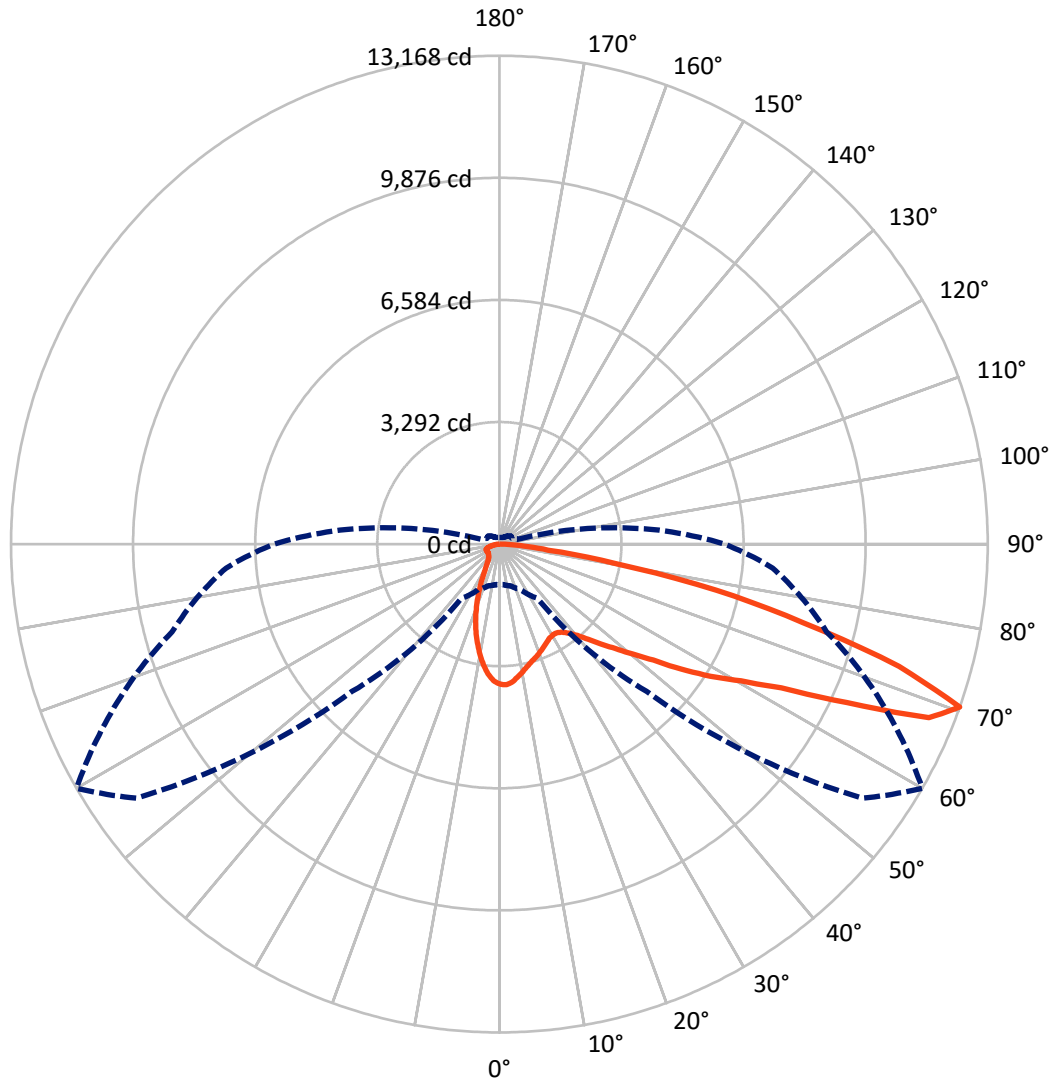
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.5 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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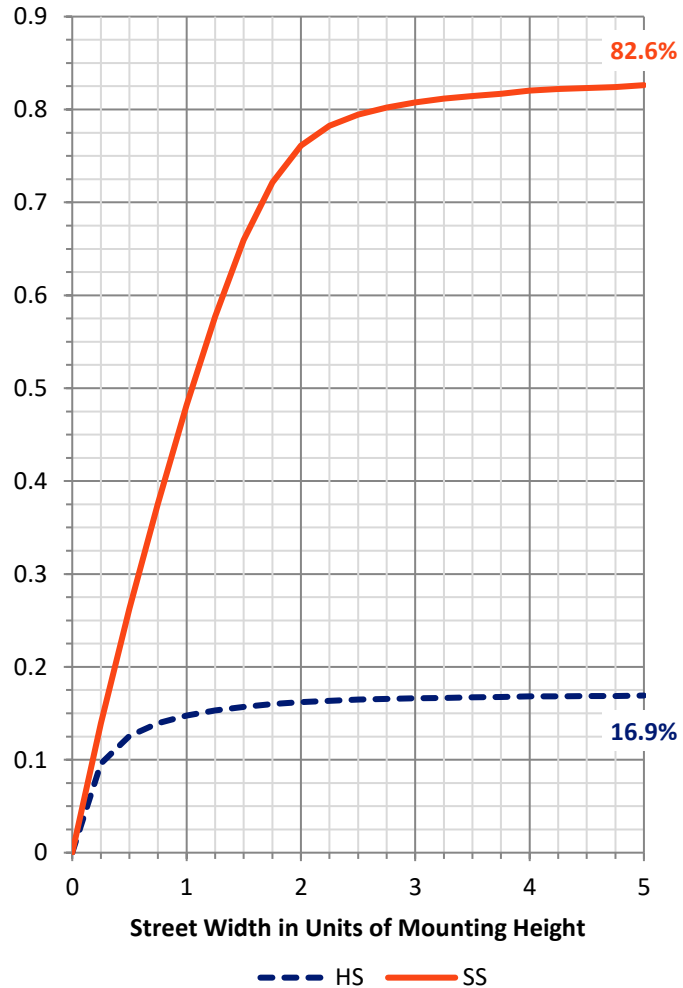
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2337.5	0.0	2337.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	11330.4	0.0	11330.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	13668.0	0.0	13668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.0	2.4
10°-20°	730.4	5.3
20°-30°	935.3	6.8
30°-40°	1229.3	9.0
40°-50°	1783.4	13.0
50°-60°	2782.6	20.4
60°-70°	3643.0	26.7
70°-80°	2014.4	14.7
80°-90°	223.6	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°	13668.0	100.0
0°-180°	13668.0	100.0

Coefficient of Utilization



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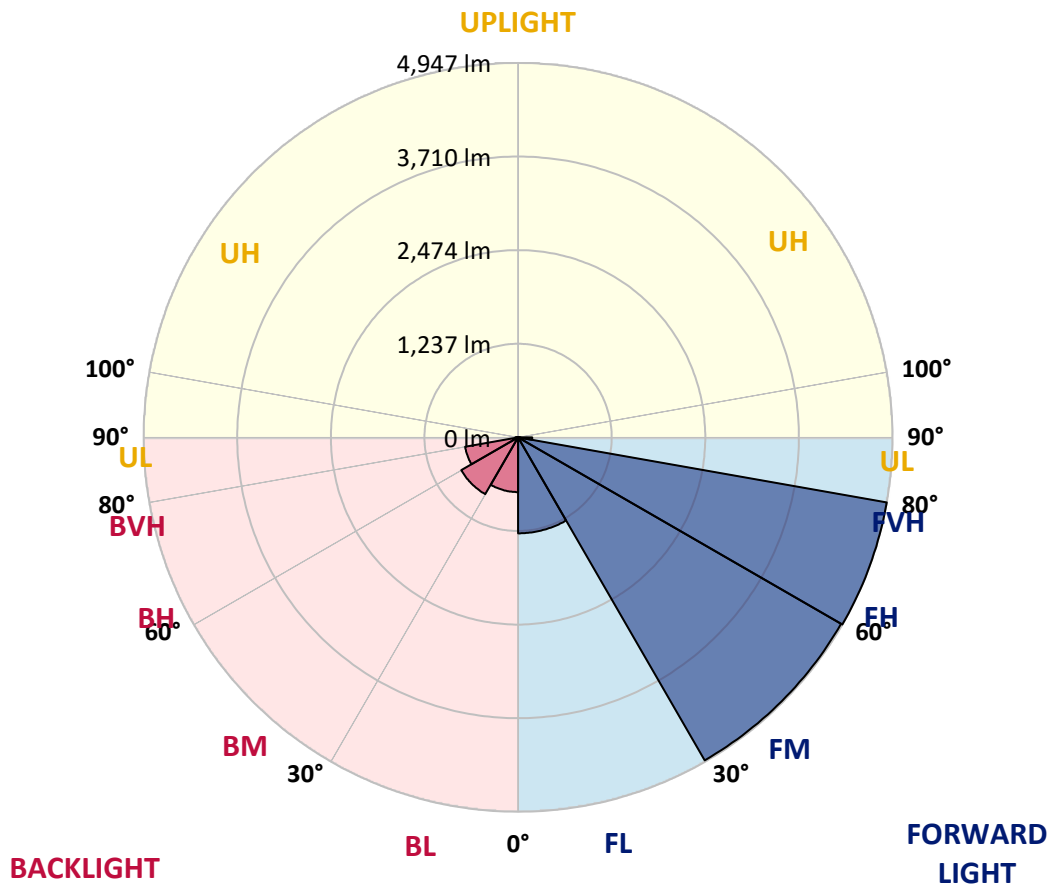
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1268.5	9.3			
FM (30°-60°)	4928.6	36.1			
FH (60°-80°)	4947.1	36.2			G2/5000
FVH (80°-90°)	186.3	1.4			G2/225
BL (0°-30°)	723.2	5.3	B2/1000		
BM (30°-60°)	866.7	6.3	B1/1000		
BH (60°-80°)	710.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	37.3	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1
2.5°	3729.1	3733.1	3744.1	3760.1	3776.1	3784.1	3804.1	3798.1	3794.1	3786.1	3776.1
5°	3564.1	3572.1	3582.1	3613.1	3648.1	3676.1	3721.1	3726.1	3728.1	3732.1	3716.1
7.5°	3354.1	3356.1	3380.1	3421.1	3467.1	3515.1	3590.1	3611.1	3629.1	3649.1	3636.1
10°	3122.1	3127.1	3145.1	3204.1	3283.1	3354.1	3455.1	3490.1	3528.1	3572.1	3554.1
12.5°	2932.1	2933.1	2962.1	3025.1	3111.1	3207.1	3333.1	3375.1	3425.1	3494.1	3478.1
15°	2781.1	2781.1	2808.1	2862.1	2961.1	3074.1	3224.1	3278.1	3346.1	3439.1	3411.1
17.5°	2661.1	2662.1	2679.1	2736.1	2824.1	2949.1	3127.1	3200.1	3275.1	3398.1	3356.1
20°	2598.1	2593.1	2596.1	2631.1	2706.1	2827.1	3030.1	3115.1	3216.1	3370.1	3306.1
22.5°	2595.1	2586.1	2573.1	2576.1	2620.1	2720.1	2926.1	3029.1	3156.1	3347.1	3255.1
25°	2646.1	2636.1	2613.1	2587.1	2583.1	2643.1	2828.1	2945.1	3094.1	3337.1	3206.1
27.5°	2732.1	2725.1	2695.1	2656.1	2615.1	2613.1	2754.1	2876.1	3049.1	3347.1	3171.1
30°	2846.1	2834.1	2815.1	2765.1	2703.1	2639.1	2725.1	2839.1	3019.1	3379.1	3156.1
32.5°	2975.1	2968.1	2950.1	2900.1	2834.1	2732.1	2748.1	2847.1	3019.1	3435.1	3159.1
35°	3112.1	3111.1	3111.1	3078.1	3005.1	2878.1	2839.1	2915.1	3065.1	3525.1	3191.1
37.5°	3245.1	3244.1	3276.1	3288.1	3205.1	3068.1	2994.1	3051.1	3166.1	3658.1	3270.1
40°	3353.1	3357.1	3427.1	3487.1	3441.1	3314.1	3210.1	3239.1	3330.1	3847.1	3408.1
42.5°	3462.1	3473.1	3578.1	3684.1	3702.1	3592.1	3487.1	3504.1	3565.1	4097.1	3614.1
45°	3581.1	3586.1	3733.1	3881.1	3968.1	3903.1	3817.1	3840.1	3854.1	4406.1	3921.1
47.5°	3696.1	3709.1	3899.1	4102.1	4267.1	4261.1	4213.1	4206.1	4209.1	4782.1	4284.1
50°	3853.1	3872.1	4095.1	4340.1	4582.1	4693.1	4707.1	4654.1	4632.1	5200.2	4736.1
52.5°	4151.1	4151.1	4351.1	4592.1	4917.1	5192.2	5286.2	5199.2	5129.2	5642.2	5216.2
55°	4524.1	4540.1	4699.1	4894.1	5306.2	5717.2	6035.2	5939.2	5741.2	6123.2	5719.2
57.5°	4690.1	4710.1	4962.1	5265.2	5815.2	6314.2	6755.2	6721.2	6432.2	6623.2	6241.2
60°	4390.1	4432.1	4779.1	5287.2	6276.2	7277.2	7588.2	7489.2	7076.2	7148.2	6807.2
62.5°	3662.1	3708.1	4093.1	4802.1	6212.2	8318.2	8901.3	8536.3	7880.2	7811.2	7561.2
65°	2185.1	2183.1	2646.1	3586.1	5423.2	8607.3	10979.3	10298.3	9122.3	8721.3	8337.2
67.5°	1389.0	1386.0	1483.0	1900.1	3609.1	7899.2	12315.4	12492.4	10809.3	9390.3	8401.2
70°	1096.0	1095.0	1165.0	1355.0	1785.1	5621.2	11943.4	13168.4	11828.4	9135.3	7397.2
72.5°	799.0	801.0	909.0	1135.0	1377.0	2822.1	9671.3	11267.3	10879.3	8064.2	6005.2
75°	574.0	577.0	642.0	869.0	1270.0	1543.0	6431.2	8472.3	8277.2	6464.2	4131.1
77.5°	365.0	369.0	426.0	609.0	1026.0	1246.0	3899.1	5981.2	5507.2	3642.1	1469.0
80°	223.0	236.0	284.0	454.0	820.0	935.0	1949.1	3151.1	2758.1	999.0	494.0
82.5°	115.0	125.0	171.0	281.0	565.0	821.0	1103.0	1324.0	854.0	418.0	263.0
85°	36.0	42.0	60.0	114.0	269.0	509.0	730.0	658.0	392.0	197.0	122.0
87.5°	9.0	9.0	10.0	10.0	11.0	23.0	141.0	149.0	104.0	62.0	50.0
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°	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1
2.5°	3756.1	3732.1	3722.1	3721.1	3696.1	3660.1	3636.1	3619.1	3609.1	3607.1	3607.1
5°	3689.1	3658.1	3617.1	3586.1	3519.1	3451.1	3394.1	3362.1	3325.1	3320.1	3319.1
7.5°	3600.1	3555.1	3477.1	3390.1	3273.1	3160.1	3064.1	2999.1	2934.1	2922.1	2918.1
10°	3504.1	3443.1	3310.1	3157.1	2982.1	2813.1	2666.1	2551.1	2475.1	2421.1	2411.1
12.5°	3409.1	3328.1	3133.1	2905.1	2665.1	2434.1	2213.1	2025.1	1889.1	1810.1	1796.1
15°	3320.1	3207.1	2940.1	2649.1	2337.1	2021.1	1708.1	1464.0	1273.0	1205.0	1189.0
17.5°	3239.1	3098.1	2753.1	2384.1	1995.1	1582.0	1226.0	1009.0	897.0	863.0	855.0
20°	3158.1	2986.1	2563.1	2105.1	1632.0	1169.0	896.0	794.0	752.0	739.0	735.0
22.5°	3071.1	2863.1	2356.1	1830.1	1265.0	875.0	733.0	688.0	675.0	676.0	675.0
25°	2984.1	2738.1	2139.1	1531.0	942.0	710.0	640.0	623.0	626.0	635.0	637.0
27.5°	2912.1	2627.1	1926.1	1203.0	736.0	611.0	578.0	577.0	588.0	600.0	602.0
30°	2860.1	2528.1	1716.1	925.0	606.0	543.0	530.0	536.0	549.0	558.0	561.0
32.5°	2823.1	2443.1	1492.0	727.0	531.0	495.0	489.0	495.0	503.0	512.0	514.0
35°	2810.1	2381.1	1272.0	593.0	480.0	460.0	456.0	459.0	463.0	468.0	470.0
37.5°	2839.1	2350.1	1042.0	516.0	449.0	437.0	431.0	429.0	430.0	432.0	433.0
40°	2925.1	2364.1	854.0	471.0	429.0	418.0	408.0	404.0	403.0	405.0	404.0
42.5°	3073.1	2423.1	718.0	445.0	413.0	397.0	386.0	382.0	382.0	387.0	387.0
45°	3290.1	2539.1	620.0	426.0	399.0	379.0	367.0	365.0	369.0	377.0	378.0
47.5°	3608.1	2709.1	561.0	412.0	386.0	363.0	351.0	350.0	358.0	371.0	372.0
50°	3985.1	2954.1	529.0	402.0	377.0	350.0	338.0	339.0	348.0	362.0	365.0
52.5°	4439.1	3288.1	531.0	398.0	372.0	342.0	330.0	328.0	337.0	351.0	354.0
55°	4908.1	3694.1	570.0	399.0	365.0	338.0	322.0	315.0	323.0	333.0	334.0
57.5°	5424.2	4152.1	667.0	397.0	356.0	334.0	315.0	299.0	304.0	310.0	313.0
60°	6006.2	4691.1	876.0	401.0	352.0	325.0	301.0	280.0	279.0	283.0	284.0
62.5°	6784.2	5424.2	1111.0	408.0	361.0	314.0	280.0	258.0	254.0	256.0	257.0
65°	7379.2	5774.2	1037.0	402.0	380.0	306.0	260.0	237.0	229.0	227.0	227.0
67.5°	7137.2	5311.2	722.0	386.0	389.0	307.0	244.0	215.0	205.0	200.0	199.0
70°	6073.2	4314.1	502.0	370.0	379.0	305.0	227.0	197.0	184.0	177.0	176.0
72.5°	4798.1	3294.1	406.0	338.0	344.0	275.0	202.0	177.0	166.0	157.0	157.0
75°	3088.1	2010.1	339.0	301.0	281.0	214.0	175.0	158.0	147.0	138.0	138.0
77.5°	1039.0	746.0	263.0	255.0	210.0	161.0	147.0	136.0	127.0	119.0	118.0
80°	422.0	354.0	193.0	193.0	147.0	123.0	115.0	110.0	104.0	94.0	94.0
82.5°	245.0	215.0	135.0	117.0	98.0	85.0	80.0	75.0	75.0	68.0	68.0
85°	118.0	119.0	81.0	72.0	56.0	49.0	47.0	44.0	43.0	39.0	38.0
87.5°	64.0	65.0	41.0	32.0	22.0	19.0	16.0	15.0	14.0	13.0	13.0
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)