

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: P635554

Luminaire Tested: GWS-SA3E-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9511.8 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

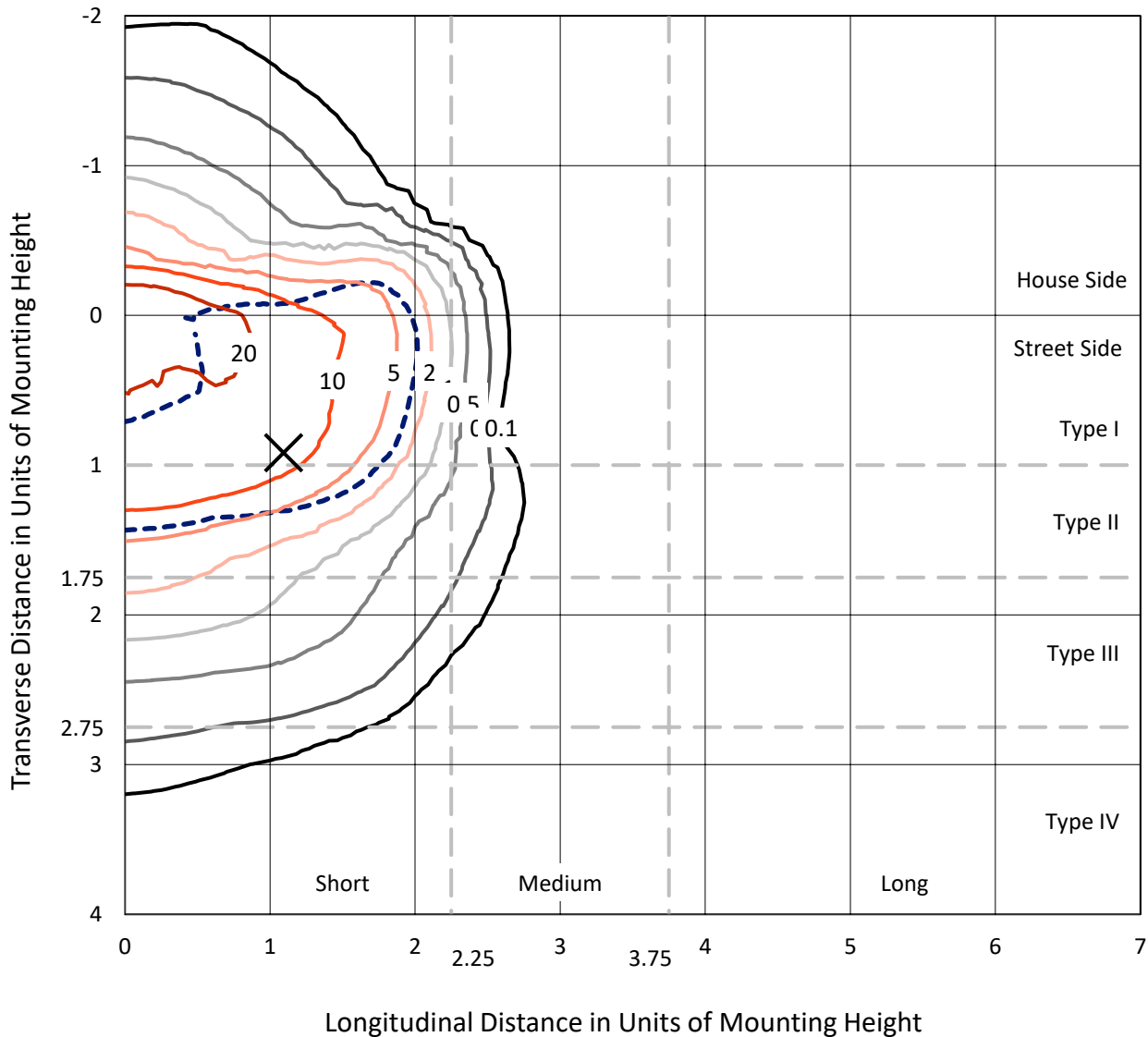
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

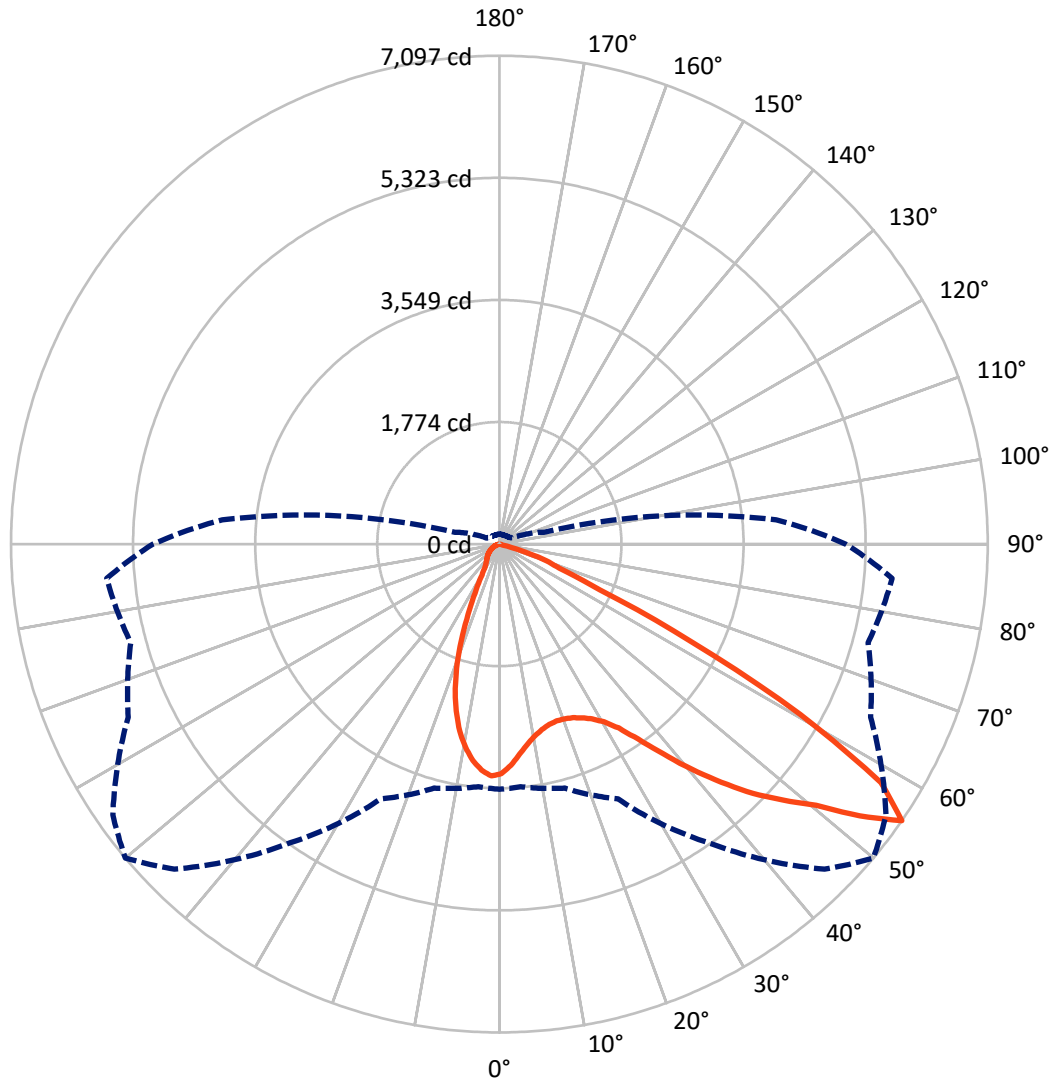
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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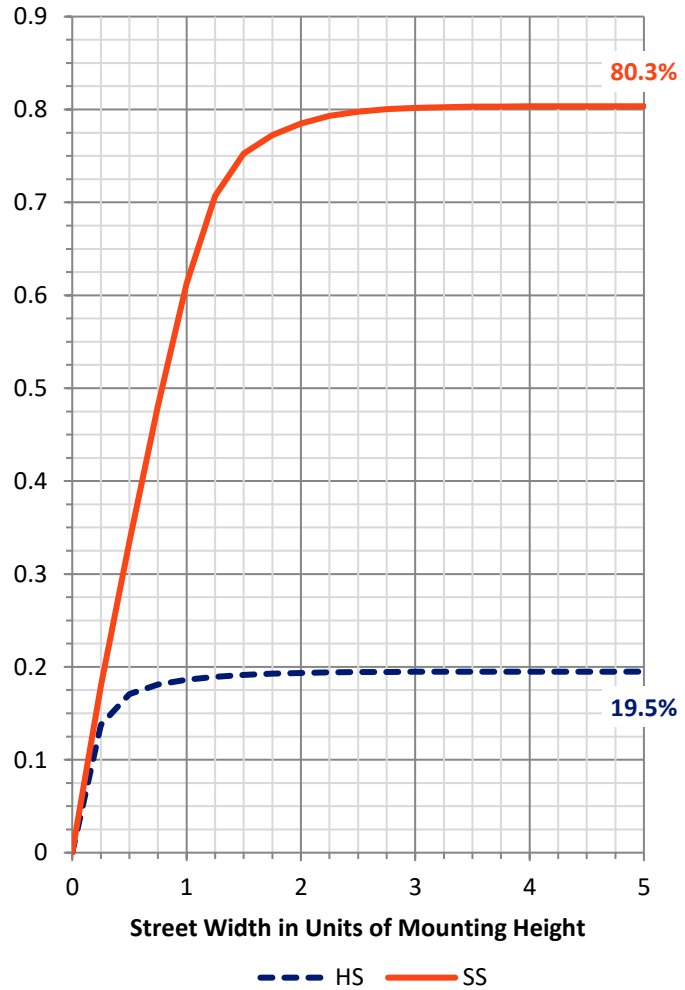
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1874.3	0.0	1874.3
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	7637.5	0.0	7637.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	9511.8	0.0	9511.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.1	3.1
10°-20°	721.2	7.6
20°-30°	1017.3	10.7
30°-40°	1505.4	15.8
40°-50°	2171.8	22.8
50°-60°	2561.8	26.9
60°-70°	1142.8	12.0
70°-80°	98.2	1.0
80°-90°	0.0	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°	9511.8	100.0
0°-180°	9511.8	100.0

Coefficient of Utilization



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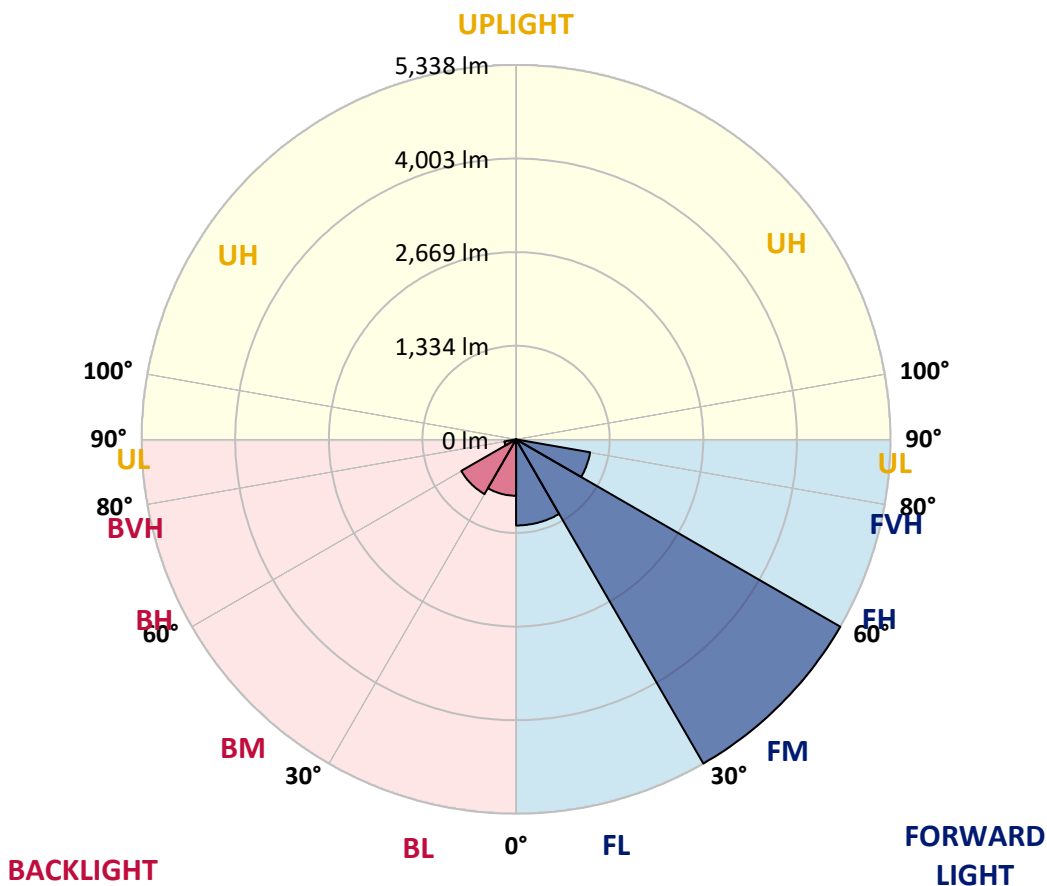
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1228.0	12.9			
FM (30°-60°)	5337.7	56.1			
FH (60°-80°)	1071.8	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	803.6	8.4	B2/1000		
BM (30°-60°)	901.4	9.5	B1/1000		
BH (60°-80°)	169.2	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3
2.5°	3100.4	3102.7	3103.9	3135.2	3146.8	3193.3	3217.7	3230.4	3264.1	3303.6	3336.1
5°	2892.5	2889.0	2894.9	2934.3	2959.9	3028.4	3065.5	3091.1	3165.4	3258.3	3336.1
7.5°	2711.4	2718.4	2725.3	2768.3	2806.6	2880.9	2934.3	2972.7	3076.0	3214.2	3345.4
10°	2583.7	2583.7	2594.1	2642.9	2688.2	2779.9	2833.3	2882.1	3005.2	3174.7	3355.8
12.5°	2489.6	2490.8	2503.5	2559.3	2611.5	2706.7	2762.5	2810.1	2945.9	3135.2	3358.2
15°	2445.5	2442.0	2452.4	2511.7	2569.7	2659.1	2717.2	2763.6	2904.1	3113.2	3369.8
17.5°	2433.9	2431.5	2439.7	2497.7	2556.9	2644.0	2700.9	2747.4	2898.3	3120.1	3404.6
20°	2467.5	2462.9	2459.4	2509.3	2565.1	2651.0	2710.2	2762.5	2926.2	3158.4	3458.0
22.5°	2547.7	2547.7	2539.5	2563.9	2601.1	2678.9	2740.4	2808.9	2999.4	3235.1	3537.0
25°	2695.1	2683.5	2668.4	2678.9	2674.2	2723.0	2796.2	2891.4	3137.5	3361.7	3633.4
27.5°	2863.5	2874.0	2848.4	2849.6	2808.9	2791.5	2876.3	3020.3	3343.1	3540.5	3776.2
30°	3092.3	3084.1	3085.3	3081.8	2987.7	2905.3	2997.0	3188.6	3602.0	3813.4	3962.0
32.5°	3271.1	3282.7	3321.0	3343.1	3220.0	3087.6	3185.2	3417.4	3897.0	4124.6	4189.6
35°	3460.4	3481.3	3559.1	3631.1	3527.7	3375.6	3480.1	3720.5	4174.5	4432.3	4450.9
37.5°	3660.1	3701.9	3794.8	3921.3	3905.1	3770.4	3865.6	4076.9	4392.8	4618.1	4666.8
40°	3888.8	3929.5	4081.6	4263.9	4302.2	4272.0	4303.4	4426.5	4536.8	4626.2	4759.7
42.5°	4139.7	4195.4	4388.1	4632.0	4776.0	4802.7	4729.5	4716.8	4599.5	4533.3	4740.0
45°	4435.8	4500.8	4719.1	5034.9	5263.7	5299.7	5173.1	5009.4	4639.0	4464.8	4680.8
47.5°	4767.9	4829.4	5046.5	5426.3	5766.5	5780.4	5559.8	5296.2	4756.2	4543.7	4726.1
50°	4879.3	4917.7	5105.8	5551.7	6178.7	6285.5	5966.2	5619.0	4992.0	4776.0	4946.7
52.5°	4496.1	4511.2	4675.0	5125.5	6095.1	6781.4	6559.6	6100.9	5411.2	5130.2	5286.9
55°	3562.5	3538.2	3670.5	4083.9	5297.4	6680.3	7097.2	6858.0	5951.1	5545.9	5729.3
57.5°	2491.9	2462.9	2432.7	2712.5	3952.7	5663.1	6539.8	6963.7	6465.5	5958.1	6206.6
60°	2048.3	2020.5	1874.2	1745.3	2389.7	4066.5	5023.3	5821.1	6423.7	5937.2	6191.5
62.5°	1769.7	1753.4	1694.2	1518.8	1406.2	2321.2	3145.7	3909.7	4929.3	4662.2	4676.1
65°	1389.9	1385.3	1425.9	1444.5	1243.6	1284.3	1604.8	2032.1	2664.9	2512.8	2382.8
67.5°	949.9	939.4	1016.0	1249.4	1196.0	1013.7	939.4	947.5	1153.1	704.8	559.7
70°	603.8	579.4	580.6	774.5	973.1	800.1	724.6	637.5	573.6	104.5	118.4
72.5°	386.7	371.6	319.3	349.5	450.5	390.2	393.6	339.1	226.4	55.7	65.0
75°	162.6	149.8	115.0	91.7	90.6	56.9	49.9	46.4	31.4	31.4	33.7
77.5°	1.2	0.0	0.0	1.2	2.3	1.2	1.2	2.3	4.6	7.0	8.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3	3337.3
2.5°	3355.8	3328.0	3359.3	3370.9	3369.8	3370.9	3337.3	3314.0	3312.9	3283.9	3269.9
5°	3368.6	3346.6	3369.8	3354.7	3318.7	3273.4	3213.0	3160.8	3137.5	3103.9	3087.6
7.5°	3393.0	3369.8	3366.3	3305.9	3216.5	3121.3	3014.5	2919.2	2868.1	2806.6	2810.1
10°	3410.4	3383.7	3338.4	3215.3	3066.7	2914.6	2755.5	2613.8	2524.4	2442.0	2428.1
12.5°	3417.4	3377.9	3272.2	3086.5	2877.4	2678.9	2445.5	2243.4	2104.1	1996.1	1981.0
15°	3430.2	3366.3	3187.5	2930.9	2644.0	2363.0	2065.8	1789.4	1604.8	1480.5	1491.0
17.5°	3449.9	3353.5	3092.3	2756.7	2393.2	1996.1	1594.3	1277.3	1107.8	1035.8	1036.9
20°	3477.8	3338.4	2987.7	2565.1	2092.5	1581.5	1114.7	875.5	827.9	825.6	822.1
22.5°	3514.9	3323.3	2876.3	2354.9	1736.0	1107.8	742.0	667.7	687.4	725.7	732.7
25°	3559.1	3304.8	2752.0	2118.0	1347.0	726.9	556.2	544.6	592.2	643.3	654.9
27.5°	3627.6	3295.5	2610.4	1848.6	945.2	521.4	455.2	462.2	505.1	548.1	558.5
30°	3743.7	3312.9	2455.9	1546.7	607.3	415.7	394.8	405.3	428.5	450.5	459.8
32.5°	3901.6	3364.0	2306.1	1216.9	433.1	361.1	356.5	362.3	371.6	384.4	387.8
35°	4086.2	3452.2	2151.7	870.9	357.6	329.8	325.1	325.1	329.8	332.1	333.3
37.5°	4238.4	3545.1	2006.5	579.4	320.5	305.4	298.4	294.9	293.8	296.1	297.3
40°	4304.5	3583.4	1848.6	421.5	293.8	283.3	272.9	262.4	262.4	270.6	271.7
42.5°	4258.1	3540.5	1666.3	348.4	275.2	260.1	243.9	234.6	239.2	247.3	249.7
45°	4159.4	3434.8	1465.4	307.7	256.6	236.9	218.3	212.5	217.1	227.6	229.9
47.5°	4143.1	3365.1	1225.1	281.0	236.9	217.1	197.4	191.6	197.4	205.5	207.9
50°	4304.5	3425.5	958.0	257.8	218.3	196.2	180.0	174.2	177.7	182.3	184.6
52.5°	4599.5	3649.6	773.4	235.7	196.2	175.3	164.9	157.9	157.9	162.6	163.7
55°	5034.9	4041.0	667.7	210.2	170.7	159.1	149.8	142.8	142.8	145.1	146.3
57.5°	5536.6	4514.7	692.1	176.5	149.8	144.0	135.9	130.1	132.4	132.4	132.4
60°	5466.9	4479.9	740.8	148.6	132.4	130.1	123.1	120.8	126.6	121.9	119.6
62.5°	4027.0	3094.6	387.8	121.9	113.8	111.5	106.8	111.5	119.6	106.8	102.2
65°	1955.4	1497.9	155.6	99.9	96.4	94.1	91.7	98.7	103.3	83.6	79.0
67.5°	459.8	373.9	101.0	84.8	80.1	75.5	77.8	79.0	75.5	56.9	54.6
70°	119.6	117.3	79.0	70.8	63.9	59.2	59.2	58.1	49.9	36.0	33.7
72.5°	65.0	63.9	56.9	53.4	44.1	39.5	40.6	36.0	27.9	20.9	19.7
75°	32.5	34.8	32.5	30.2	24.4	22.1	22.1	19.7	13.9	8.1	8.1
77.5°	7.0	8.1	8.1	7.0	5.8	4.6	4.6	5.8	2.3	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)