

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: P635771

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 14253.2 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

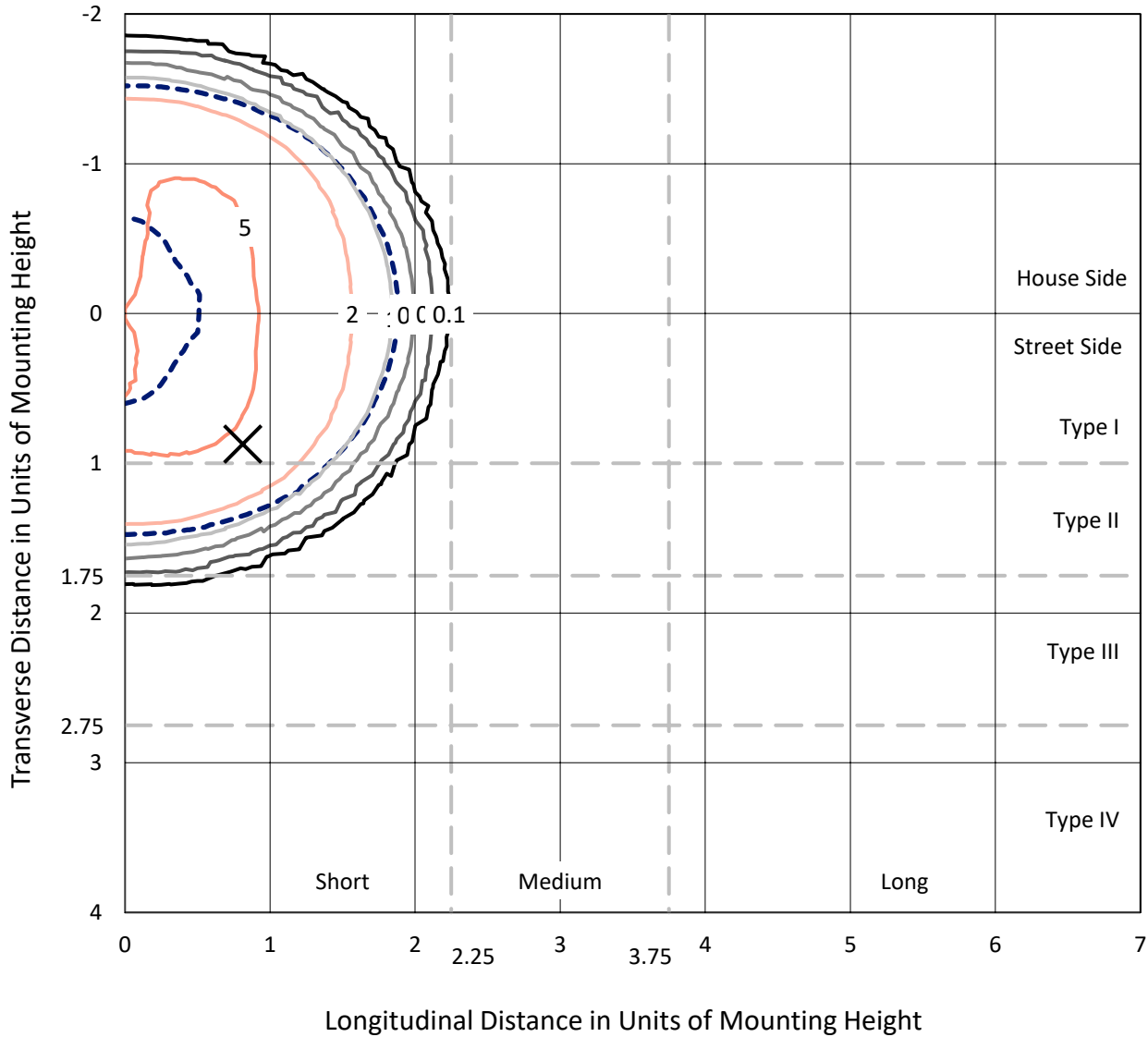
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

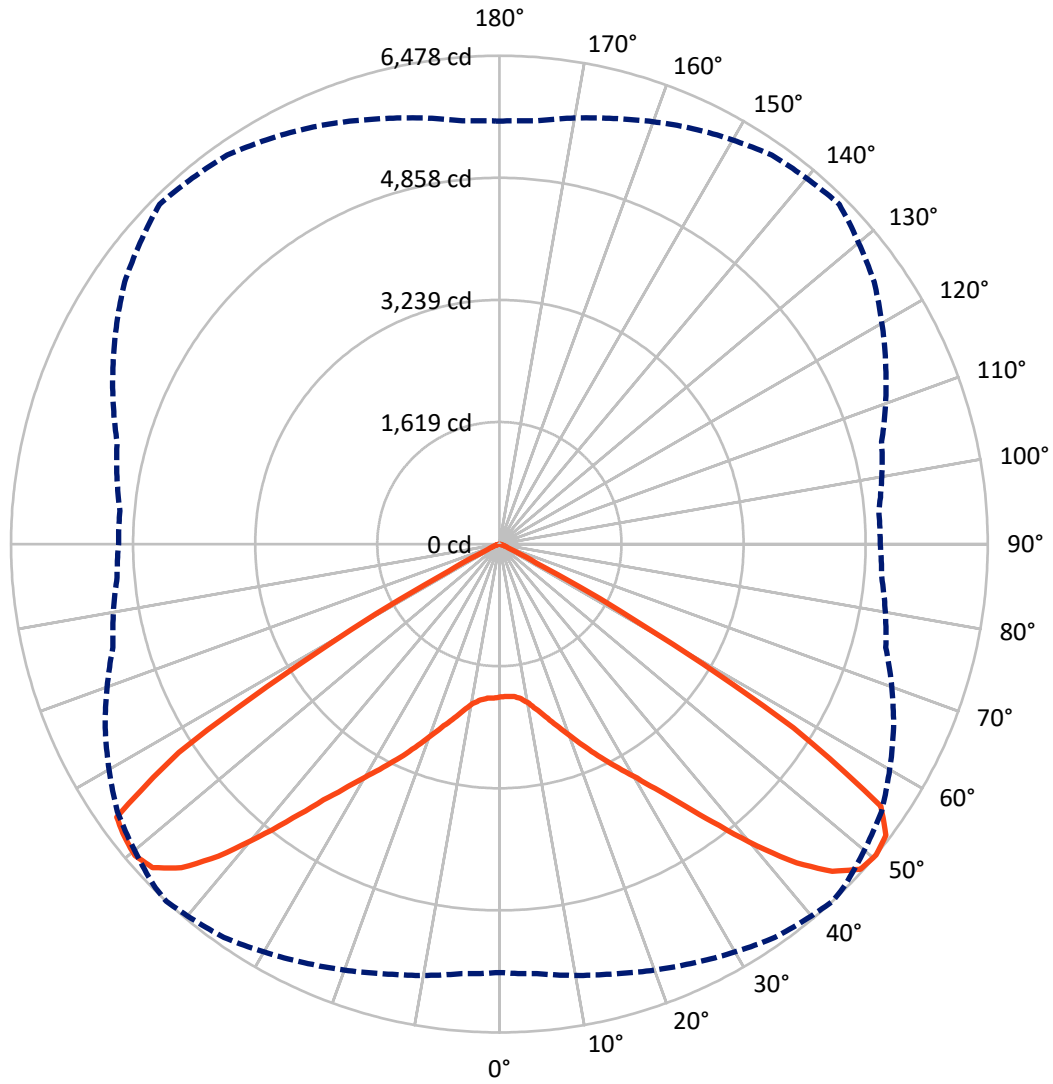
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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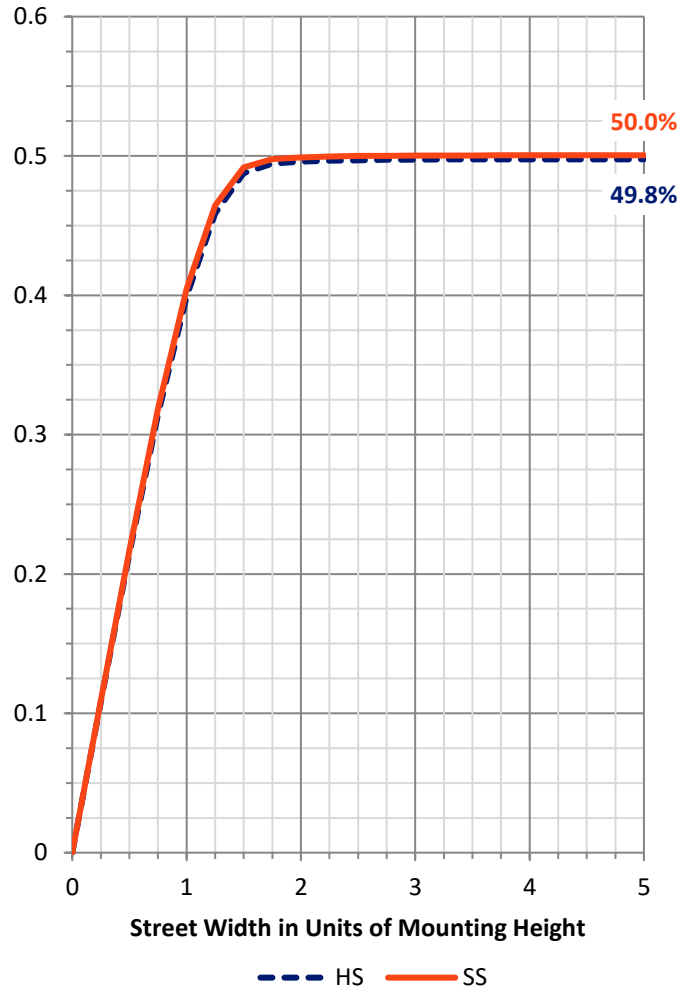
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7126.4	0.0	7126.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7126.8	0.0	7126.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14253.2	0.0	14253.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	1.4
10°-20°	687.0	4.8
20°-30°	1390.0	9.8
30°-40°	2578.9	18.1
40°-50°	4280.8	30.0
50°-60°	4368.7	30.7
60°-70°	716.4	5.0
70°-80°	31.4	0.2
80°-90°	0.4	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°	14253.2	100.0
0°-180°	14253.2	100.0

Coefficient of Utilization



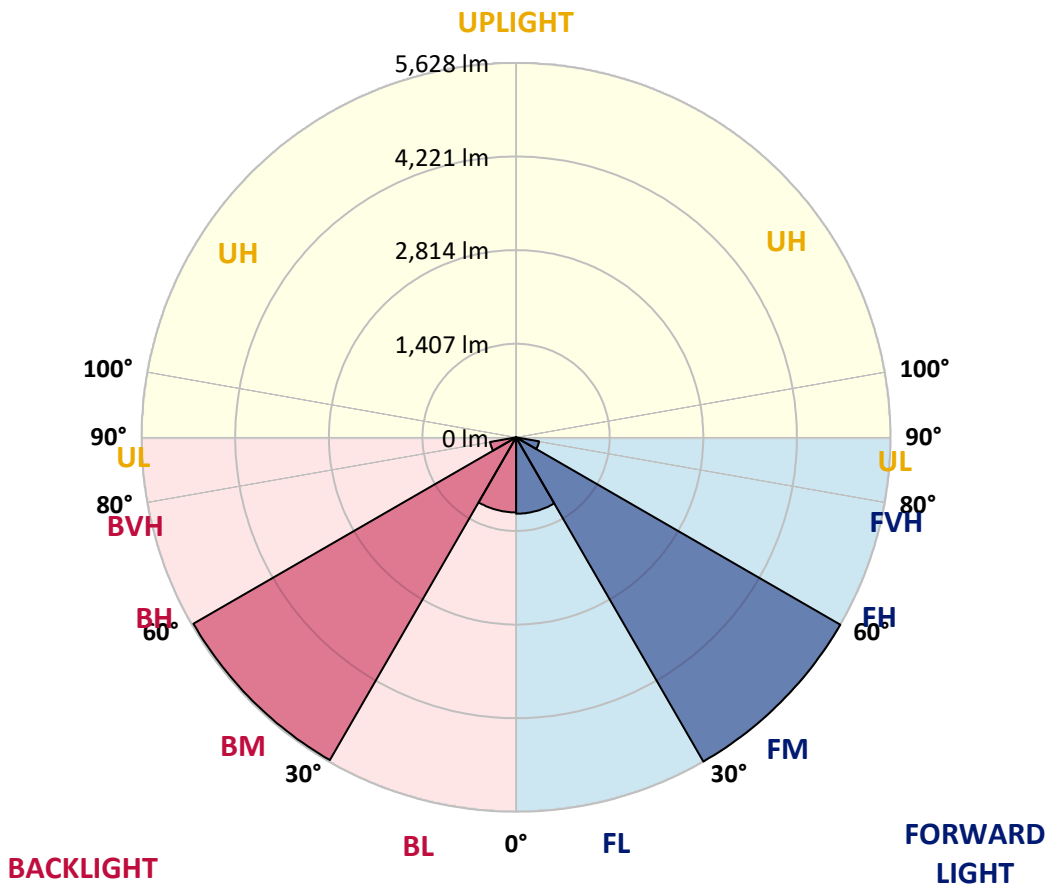
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1148.3	8.1			
FM (30°-60°)	5627.8	39.5			
FH (60°-80°)	350.5	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1128.3	7.9	B3/2500		
BM (30°-60°)	5600.5	39.3	B4/8500		
BH (60°-80°)	397.3	2.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3
2.5°	1989.5	1994.2	2000.5	2006.8	2014.7	2022.6	2027.3	2041.5	2038.3	2050.9	2050.9
5°	1967.4	1972.1	1980.0	1994.2	2011.5	2028.9	2041.5	2069.9	2085.6	2110.8	2120.3
7.5°	1978.4	1984.7	1994.2	2016.3	2043.1	2069.9	2084.0	2129.8	2161.3	2208.6	2235.4
10°	2014.7	2021.0	2036.8	2074.6	2109.3	2147.1	2164.4	2222.8	2273.2	2337.8	2375.7
12.5°	2055.7	2063.6	2095.1	2151.8	2211.7	2262.2	2285.8	2350.5	2402.5	2475.0	2534.9
15°	2098.2	2110.8	2159.7	2243.3	2328.4	2396.2	2421.4	2490.8	2542.8	2620.0	2687.8
17.5°	2197.5	2211.7	2266.9	2356.8	2473.4	2552.2	2574.3	2646.8	2686.2	2738.3	2809.2
20°	2322.1	2348.9	2416.7	2525.4	2653.1	2728.8	2744.6	2815.5	2812.4	2834.4	2895.9
22.5°	2476.6	2495.5	2569.6	2698.9	2842.3	2925.9	2962.1	2992.1	2952.7	2933.7	2973.2
25°	2637.4	2659.4	2739.8	2881.7	3042.5	3138.7	3168.6	3192.3	3129.2	3058.3	3063.0
27.5°	2845.5	2861.2	2940.0	3091.4	3252.2	3361.0	3387.8	3428.7	3345.2	3231.7	3200.2
30°	3093.0	3108.7	3192.3	3351.5	3510.7	3603.7	3644.7	3695.2	3603.7	3461.8	3425.6
32.5°	3383.0	3398.8	3506.0	3669.9	3800.8	3901.7	3941.1	3994.7	3922.2	3762.9	3722.0
35°	3729.8	3739.3	3865.4	4043.5	4182.3	4280.0	4306.8	4369.9	4289.5	4130.3	4108.2
37.5°	4131.8	4142.9	4280.0	4486.5	4628.4	4737.2	4779.7	4797.1	4699.3	4521.2	4503.9
40°	4573.2	4609.5	4743.5	4965.8	5125.0	5262.1	5300.0	5241.6	5104.5	4861.7	4830.2
42.5°	5033.5	5065.1	5214.8	5456.0	5640.5	5780.8	5782.4	5656.2	5422.9	5087.1	5039.9
45°	5416.6	5429.2	5623.1	5865.9	6092.9	6192.2	6201.7	5973.1	5621.6	5218.0	5117.1
47.5°	5679.9	5700.4	5869.1	6102.4	6353.0	6442.9	6424.0	6138.6	5716.1	5303.1	5136.0
50°	5683.0	5717.7	5900.6	6126.0	6368.8	6477.6	6450.8	6185.9	5769.7	5306.3	5090.3
52.5°	5180.2	5236.9	5534.9	5861.2	6233.2	6419.2	6425.5	6247.4	5749.2	5255.8	5049.3
55°	3908.0	3969.5	4344.6	4901.1	5620.0	6138.6	6228.5	6174.9	5725.6	5277.9	5121.8
57.5°	2068.3	2021.0	2229.1	2780.8	3684.1	4601.6	4864.9	5293.7	5462.3	5304.7	5255.8
60°	450.9	480.8	640.0	862.3	1437.7	2164.4	2421.4	3156.0	4029.4	4417.2	4697.8
62.5°	193.9	190.7	198.6	225.4	329.5	548.6	670.0	1094.0	1726.2	2371.0	2807.6
65°	159.2	160.8	167.1	167.1	156.1	157.6	165.5	250.7	403.6	565.9	759.8
67.5°	119.8	121.4	132.4	135.6	127.7	113.5	111.9	94.6	99.3	124.5	129.3
70°	75.7	75.7	82.0	85.1	85.1	78.8	77.2	67.8	66.2	75.7	85.1
72.5°	41.0	41.0	44.1	45.7	44.1	42.6	42.6	41.0	39.4	45.7	58.3
75°	17.3	17.3	18.9	18.9	17.3	17.3	17.3	17.3	17.3	20.5	31.5
77.5°	3.2	4.7	6.3	4.7	3.2	3.2	3.2	4.7	4.7	6.3	9.5
80°	1.6	1.6	3.2	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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°	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3	2027.3
2.5°	2062.0	2044.6	2050.9	2054.1	2049.4	2046.2	2028.9	2024.1	2016.3	2003.6	2000.5
5°	2131.3	2117.1	2115.6	2106.1	2084.0	2057.2	2024.1	2010.0	1994.2	1978.4	1975.3
7.5°	2248.0	2230.7	2219.6	2188.1	2137.6	2095.1	2039.9	2010.0	1989.5	1969.0	1964.2
10°	2397.8	2377.3	2345.7	2287.4	2219.6	2158.1	2093.5	2054.1	2022.6	1994.2	1992.6
12.5°	2557.0	2534.9	2478.2	2404.1	2322.1	2265.3	2183.4	2128.2	2080.9	2038.3	2033.6
15°	2724.1	2697.3	2620.0	2531.8	2456.1	2397.8	2307.9	2219.6	2147.1	2085.6	2079.3
17.5°	2851.8	2818.7	2727.2	2661.0	2599.5	2539.6	2438.7	2322.1	2225.9	2151.8	2134.5
20°	2932.2	2900.6	2813.9	2777.7	2749.3	2706.7	2586.9	2465.5	2358.3	2266.9	2251.1
22.5°	3009.4	2971.6	2895.9	2895.9	2918.0	2900.6	2771.4	2632.6	2506.5	2400.9	2377.3
25°	3096.1	3066.2	3012.6	3056.7	3111.9	3110.3	2977.9	2804.5	2659.4	2541.2	2517.6
27.5°	3222.2	3192.3	3173.4	3256.9	3326.3	3321.5	3176.5	2988.9	2836.0	2719.3	2697.3
30°	3444.5	3416.1	3395.6	3496.5	3584.8	3551.7	3392.5	3211.2	3056.7	2924.3	2908.5
32.5°	3740.9	3710.9	3684.1	3785.0	3863.8	3821.3	3669.9	3499.7	3321.5	3192.3	3160.7
35°	4130.3	4067.2	4040.4	4160.2	4193.3	4146.0	4001.0	3851.2	3662.1	3513.9	3493.4
37.5°	4532.2	4458.2	4439.2	4543.3	4596.9	4579.5	4409.3	4253.2	4048.3	3884.3	3860.7
40°	4875.9	4808.1	4775.0	4937.4	5058.8	5069.8	4916.9	4726.1	4485.0	4314.7	4272.1
42.5°	5077.7	5019.4	5011.5	5263.7	5462.3	5604.2	5421.4	5224.3	4970.5	4778.2	4743.5
45°	5123.4	5085.6	5151.8	5482.8	5791.8	6050.3	5894.3	5686.2	5411.9	5208.5	5175.4
47.5°	5118.7	5106.1	5224.3	5596.3	5987.3	6305.7	6228.5	5993.6	5728.8	5515.9	5484.4
50°	5050.9	5052.5	5249.5	5653.1	6066.1	6375.1	6297.8	6080.3	5843.8	5634.2	5608.9
52.5°	5024.1	5014.6	5202.2	5635.7	6146.5	6343.6	6170.2	5925.8	5662.5	5404.0	5366.2
55°	5118.7	5095.0	5208.5	5621.6	6156.0	6326.2	5869.1	5339.4	4800.2	4494.4	4469.2
57.5°	5260.6	5235.3	5288.9	5517.5	5662.5	5260.6	4319.4	3465.0	2910.1	2675.2	2572.7
60°	4697.8	4680.4	4639.4	4363.6	3742.5	2823.4	1923.2	1226.5	881.2	712.5	712.5
62.5°	2914.8	2891.2	2668.9	1983.2	1440.9	833.9	458.7	286.9	217.5	203.4	201.8
65°	818.2	813.4	673.1	476.1	302.7	187.6	165.5	168.7	165.5	160.8	159.2
67.5°	123.0	135.6	135.6	110.4	105.6	118.2	138.7	148.2	140.3	132.4	129.3
70°	78.8	85.1	82.0	70.9	75.7	88.3	99.3	100.9	96.2	88.3	86.7
72.5°	55.2	61.5	50.4	45.7	47.3	52.0	56.8	56.8	55.2	52.0	48.9
75°	33.1	33.1	23.6	22.1	22.1	23.6	23.6	26.8	26.8	25.2	23.6
77.5°	11.0	12.6	7.9	6.3	6.3	6.3	7.9	9.5	9.5	7.9	6.3
80°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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)