

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P676993

Luminaire Tested: **CCW-SA-2E-735-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676993
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-735-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

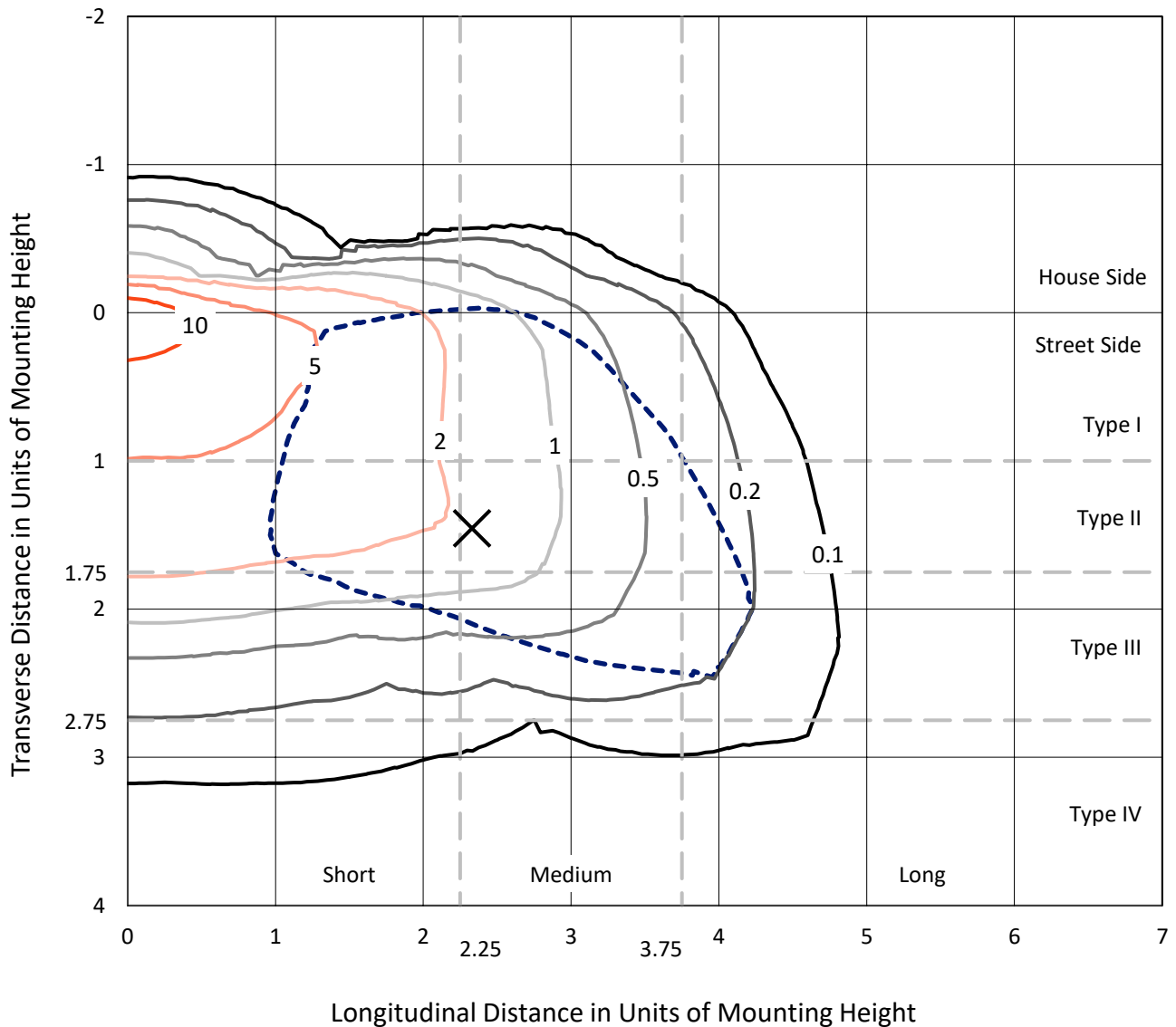
Lumens per Lamp: N/A
Luminaire Lumens: 11143.9 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

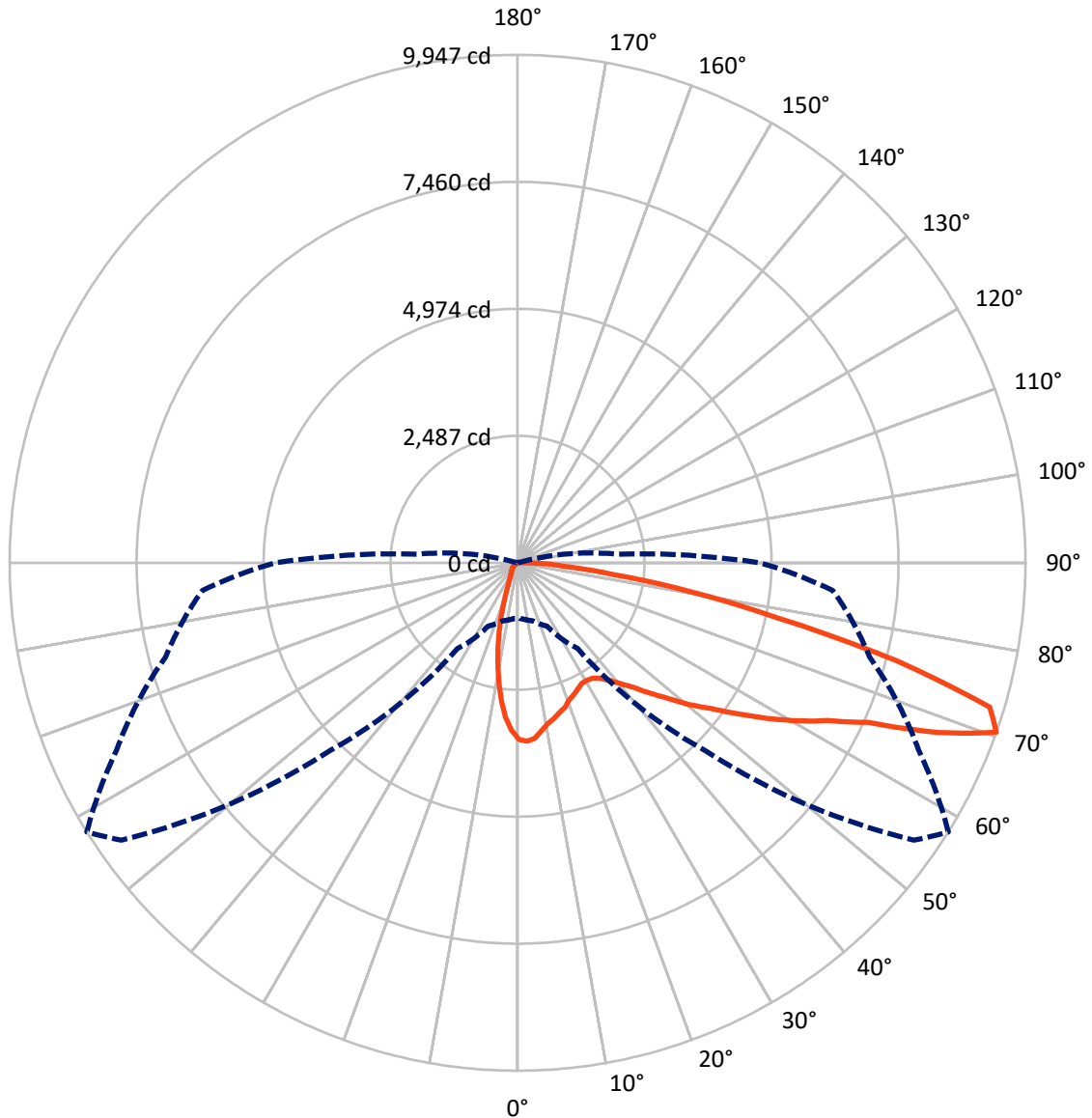
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 15.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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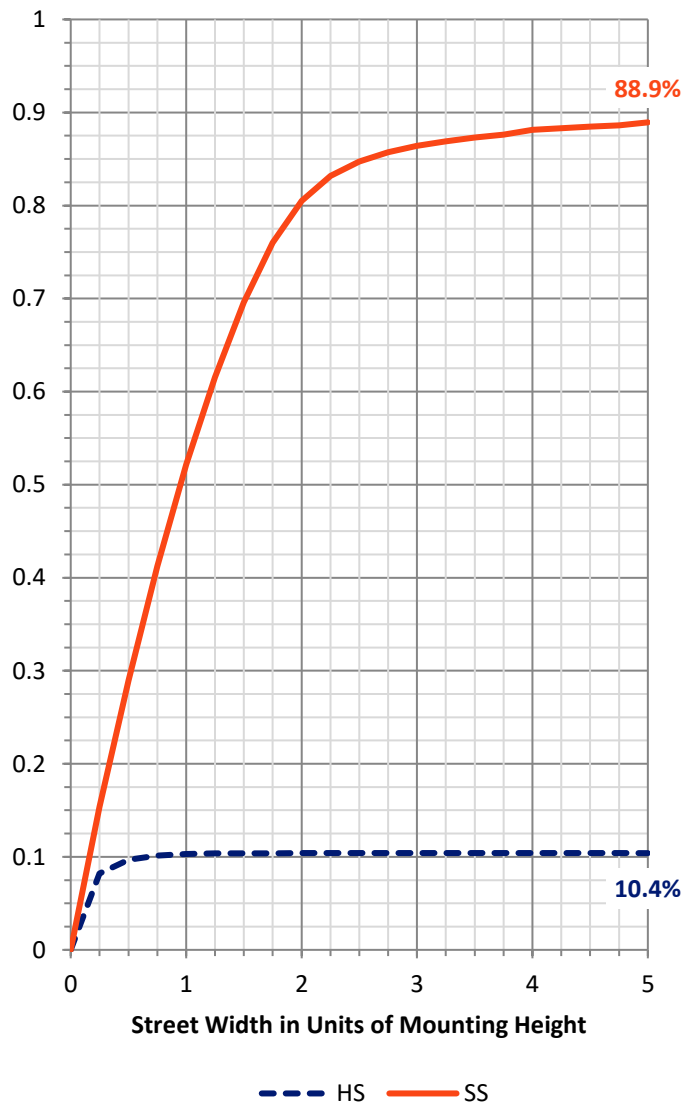
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1167.0	0.0	1167.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	9976.9	0.0	9976.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	11143.9	0.0	11143.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	2.5
10°-20°	587.6	5.3
20°-30°	786.8	7.1
30°-40°	1063.6	9.5
40°-50°	1526.6	13.7
50°-60°	2249.6	20.2
60°-70°	2744.0	24.6
70°-80°	1675.6	15.0
80°-90°	227.6	2.0
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°	11143.9	100.0
0°-180°	11143.9	100.0



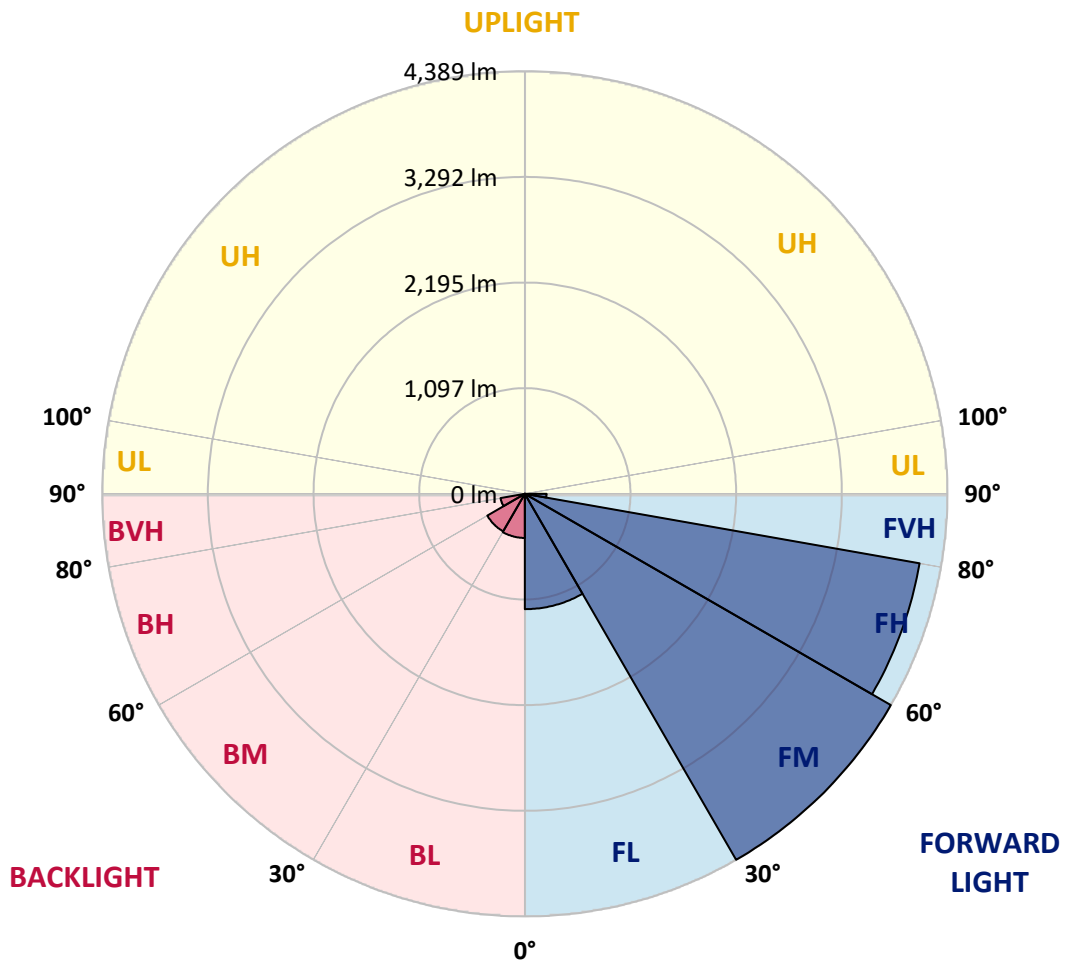
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1198.1	10.8			
FM (30°-60°)	4389.5	39.4			
FH (60°-80°)	4163.9	37.4			G2/5000
FVH (80°-90°)	225.4	2.0			G3/500
BL (0°-30°)	458.6	4.1	B1/500		
BM (30°-60°)	450.4	4.0	B1/1000		
BH (60°-80°)	255.7	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3522.1	3535.2	3503.8	3540.4	3506.4	3522.1	3503.8	3498.6	3501.2	3503.8	3482.9
5°	3357.5	3388.9	3401.9	3381.0	3430.7	3422.8	3454.2	3456.8	3443.7	3430.7	3433.3
7.5°	3140.6	3172.0	3185.1	3198.1	3247.8	3313.1	3354.9	3328.8	3349.7	3396.7	3326.1
10°	2983.9	2976.0	2973.4	2999.5	3093.6	3148.5	3219.0	3211.2	3263.4	3307.9	3250.4
12.5°	2790.5	2774.8	2821.9	2842.8	2926.4	3023.1	3077.9	3135.4	3187.7	3234.7	3169.4
15°	2646.8	2659.9	2678.2	2722.6	2782.7	2910.7	2991.7	3046.6	3140.6	3164.1	3138.0
17.5°	2531.8	2542.3	2568.4	2591.9	2667.7	2790.5	2918.5	2983.9	3083.1	3145.9	3064.9
20°	2534.5	2503.1	2503.1	2526.6	2568.4	2714.7	2850.6	2871.5	3007.4	3114.5	3059.6
22.5°	2537.1	2526.6	2503.1	2500.5	2518.8	2623.3	2761.8	2808.8	2955.1	3080.5	3015.2
25°	2573.6	2534.5	2537.1	2500.5	2508.3	2560.6	2670.3	2740.9	2908.1	3098.8	2991.7
27.5°	2605.0	2623.3	2586.7	2571.0	2526.6	2524.0	2615.5	2675.5	2884.6	3140.6	3007.4
30°	2675.5	2688.6	2688.6	2678.2	2636.4	2576.3	2597.2	2672.9	2837.5	3132.8	2981.2
32.5°	2793.1	2769.6	2801.0	2785.3	2730.4	2636.4	2654.6	2693.8	2866.3	3232.1	3023.1
35°	2832.3	2850.6	2892.4	2858.4	2840.2	2785.3	2748.7	2777.4	2908.1	3331.4	3085.8
37.5°	2952.5	2926.4	2955.1	3030.9	3049.2	2949.9	2879.3	2921.2	3064.9	3448.9	3143.2
40°	2963.0	2983.9	3036.1	3185.1	3203.3	3161.5	3104.1	3114.5	3221.6	3600.5	3287.0
42.5°	3015.2	3038.7	3145.9	3271.3	3370.6	3378.4	3336.6	3336.6	3428.0	3843.5	3446.3
45°	3117.1	3077.9	3216.4	3428.0	3571.8	3600.5	3655.4	3642.3	3715.5	4099.5	3744.2
47.5°	3156.3	3169.4	3320.9	3577.0	3741.6	3874.8	3966.3	3968.9	4005.5	4426.1	4130.9
50°	3284.3	3281.7	3464.6	3702.4	3945.4	4188.4	4366.1	4366.1	4363.4	4744.9	4462.7
52.5°	3454.2	3448.9	3590.0	3872.2	4188.4	4494.1	4729.2	4737.1	4797.2	5136.8	4844.2
55°	3731.1	3707.6	3843.5	4052.5	4431.4	4802.4	5210.0	5212.6	5165.6	5416.4	5118.6
57.5°	3963.7	3961.1	4073.4	4274.6	4703.1	5199.5	5672.5	5743.0	5594.1	5703.8	5338.0
60°	3903.6	3937.5	4170.1	4468.0	4990.5	5696.0	6171.5	6281.3	6043.5	5899.8	5502.6
62.5°	3529.9	3608.3	3861.8	4337.3	5233.5	6417.1	6858.7	6809.1	6278.7	6067.0	5703.8
65°	2539.7	2618.1	2931.6	3644.9	4951.3	6926.6	7762.7	7538.0	6696.7	6315.2	5972.9
67.5°	1494.5	1525.9	1721.9	2325.4	3702.4	6649.7	8860.1	8878.4	7519.8	6696.7	6438.0
70°	1079.1	1102.6	1178.4	1371.7	2051.1	5212.6	9471.5	9947.1	8661.6	7135.7	6192.4
72.5°	828.3	828.3	956.3	1141.8	1306.4	3122.3	8716.4	9670.1	8909.8	6715.0	4990.5
75°	595.7	611.4	749.9	982.4	1204.5	1567.7	6422.4	7673.9	7551.1	5442.5	3485.5
77.5°	342.3	350.1	527.8	823.0	1131.4	1076.5	3968.9	5202.2	5348.5	3407.1	1510.2
80°	175.1	180.3	295.3	650.6	1024.2	938.0	2367.2	3425.4	2905.5	990.3	350.1
82.5°	86.2	86.2	133.3	415.4	870.1	830.9	1392.6	1891.7	1029.5	227.3	146.3
85°	28.7	31.4	60.1	235.2	629.7	501.7	851.8	898.8	344.9	86.2	81.0
87.5°	7.8	10.5	15.7	86.2	274.3	329.2	506.9	574.8	141.1	34.0	39.2
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°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3404.5	3386.2	3365.3	3313.1	3271.3	3216.4	3179.8	3151.1	3096.2	3106.7	3083.1
5°	3370.6	3336.6	3216.4	3101.4	2996.9	2837.5	2727.8	2657.3	2599.8	2542.3	2584.1
7.5°	3310.5	3229.5	3041.3	2827.1	2605.0	2396.0	2186.9	2061.5	1970.1	1886.5	1883.9
10°	3208.6	3077.9	2782.7	2503.1	2160.8	1886.5	1620.0	1410.9	1275.1	1175.8	1173.2
12.5°	3093.6	2957.7	2586.7	2132.1	1737.5	1350.8	1032.1	810.0	682.0	603.6	593.1
15°	3020.4	2821.9	2341.1	1802.9	1314.3	880.5	572.2	433.7	384.1	365.8	365.8
17.5°	2926.4	2699.1	2098.1	1460.6	911.9	509.5	371.0	334.4	331.8	326.6	321.4
20°	2887.2	2605.0	1881.2	1165.3	577.4	360.6	318.8	310.9	310.9	305.7	300.5
22.5°	2782.7	2469.1	1651.3	854.4	384.1	316.2	300.5	290.0	284.8	279.6	284.8
25°	2735.6	2372.5	1434.4	590.5	313.5	282.2	274.3	263.9	256.1	253.4	253.4
27.5°	2704.3	2275.8	1222.8	410.2	277.0	258.7	243.0	235.2	224.7	214.3	214.3
30°	2680.8	2200.0	1019.0	303.1	248.2	229.9	216.9	198.6	185.5	175.1	175.1
32.5°	2649.4	2111.2	815.2	258.7	224.7	206.4	182.9	167.2	148.9	141.1	141.1
35°	2659.9	2051.1	640.1	229.9	201.2	177.7	156.8	135.9	117.6	109.7	107.1
37.5°	2680.8	2006.7	486.0	206.4	180.3	154.2	130.6	107.1	96.7	86.2	86.2
40°	2769.6	1993.6	358.0	190.7	164.6	135.9	109.7	88.8	78.4	70.5	67.9
42.5°	2918.5	2011.9	277.0	172.4	148.9	115.0	91.4	73.2	62.7	54.9	52.3
45°	3109.3	2082.4	227.3	162.0	130.6	96.7	73.2	60.1	47.0	41.8	41.8
47.5°	3386.2	2192.2	198.6	148.9	115.0	81.0	62.7	47.0	36.6	31.4	31.4
50°	3699.8	2317.6	175.1	133.3	99.3	67.9	49.6	36.6	26.1	23.5	23.5
52.5°	4013.3	2477.0	162.0	122.8	86.2	54.9	39.2	26.1	18.3	15.7	15.7
55°	4342.5	2618.1	146.3	115.0	70.5	44.4	28.7	15.7	10.5	7.8	7.8
57.5°	4572.5	2672.9	128.0	99.3	54.9	34.0	20.9	10.5	5.2	2.6	2.6
60°	4737.1	2680.8	109.7	81.0	41.8	26.1	13.1	5.2	2.6	0.0	0.0
62.5°	4875.6	2696.4	94.1	62.7	31.4	18.3	7.8	2.6	0.0	0.0	0.0
65°	5149.9	2683.4	75.8	49.6	20.9	10.5	5.2	0.0	0.0	0.0	0.0
67.5°	5366.8	2552.7	60.1	34.0	13.1	5.2	2.6	0.0	0.0	0.0	0.0
70°	4747.5	1946.6	47.0	23.5	7.8	2.6	0.0	0.0	0.0	0.0	0.0
72.5°	3728.5	1298.6	31.4	13.1	5.2	2.6	0.0	0.0	0.0	0.0	0.0
75°	2445.6	645.4	23.5	7.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	951.1	169.8	15.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	229.9	57.5	7.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	99.3	20.9	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	60.1	10.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	31.4	5.2	2.6	2.6	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)