

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: P675564

Luminaire Tested: **CCW-SA-2E-740-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675564  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2E-740-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
SL3 distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

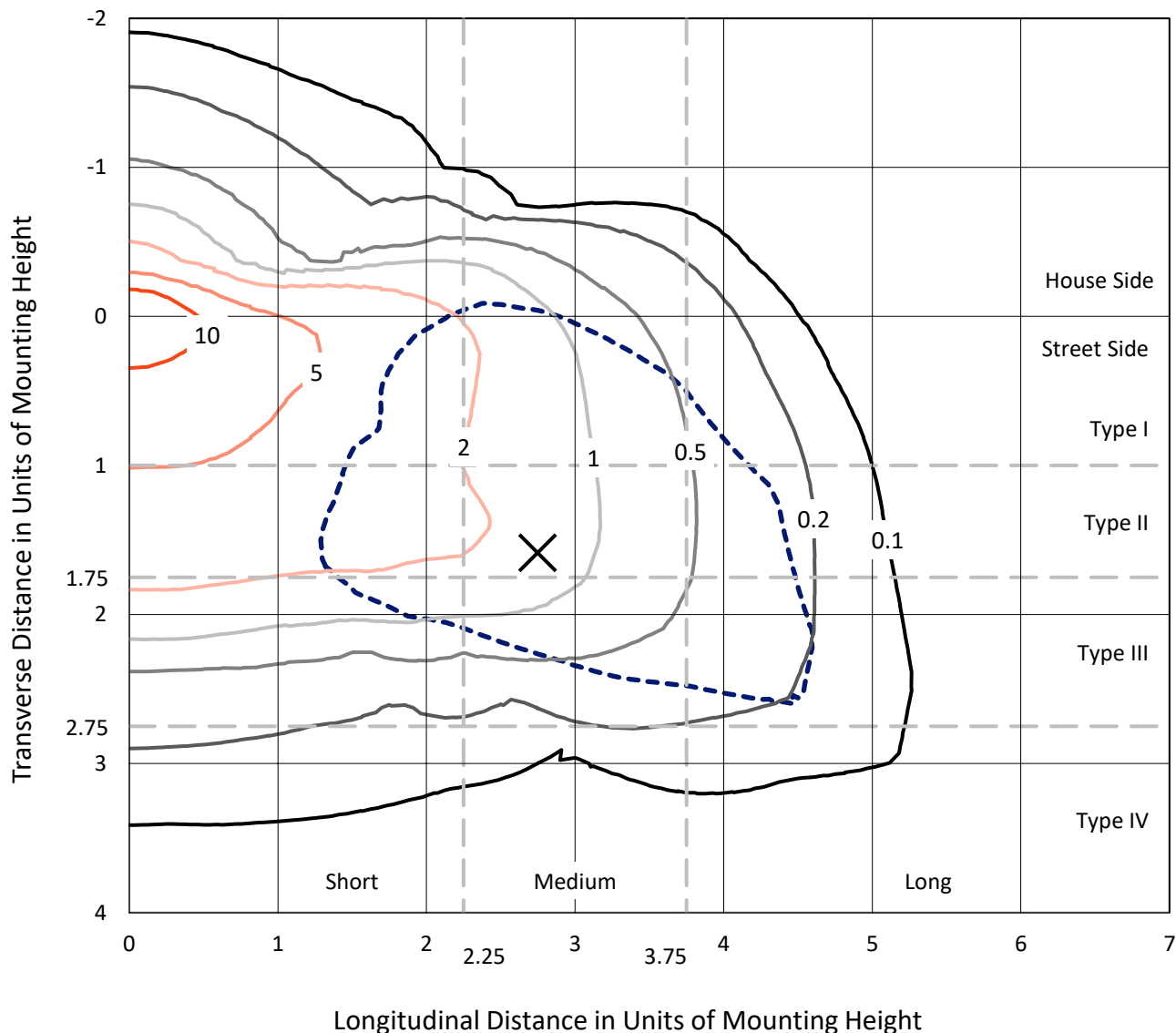
Lumens per Lamp: N/A  
Luminaire Lumens: 13519.1 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (Ain): 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

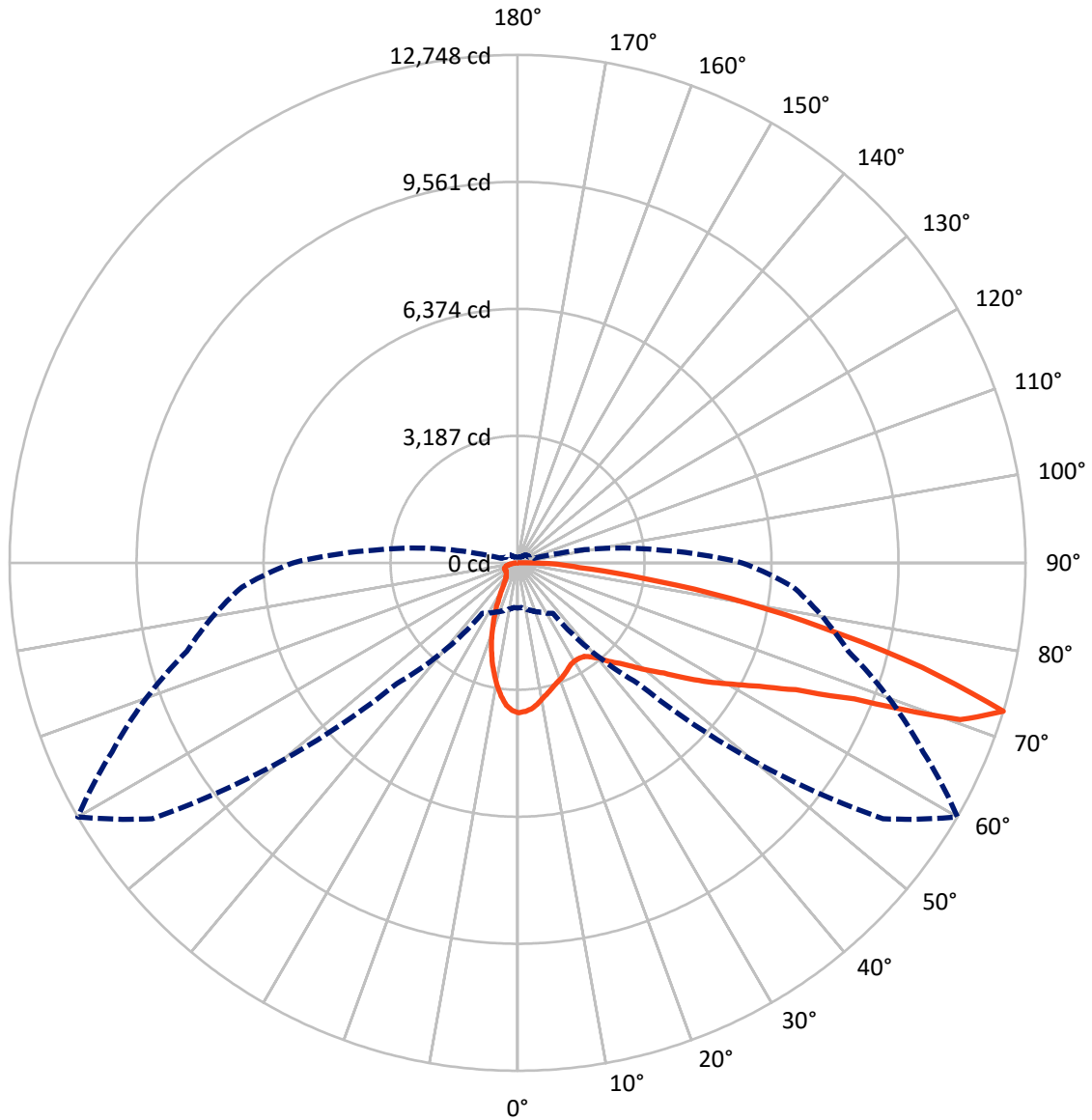
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 16.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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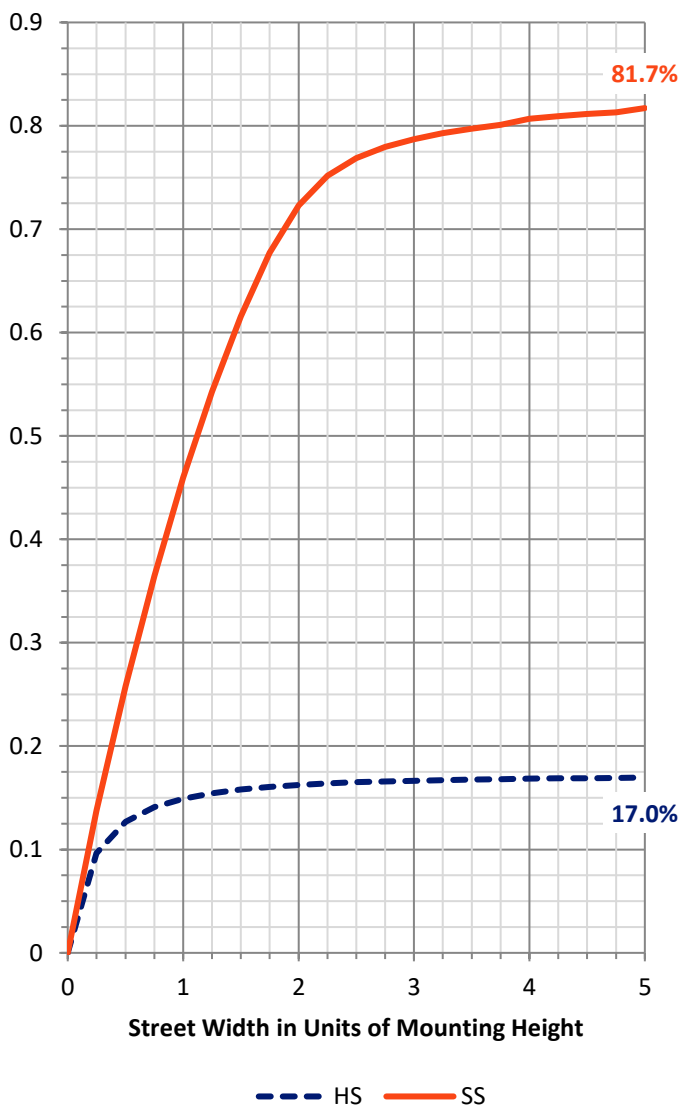
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2322.4	0.0	2322.4
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	11196.7	0.0	11196.7
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	13519.1	0.0	13519.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.3	2.4
10°-20°	739.9	5.5
20°-30°	946.9	7.0
30°-40°	1211.4	9.0
40°-50°	1661.4	12.3
50°-60°	2403.1	17.8
60°-70°	3296.6	24.4
70°-80°	2473.8	18.3
80°-90°	459.8	3.4
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°	13519.1	100.0
0°-180°	13519.1	100.0

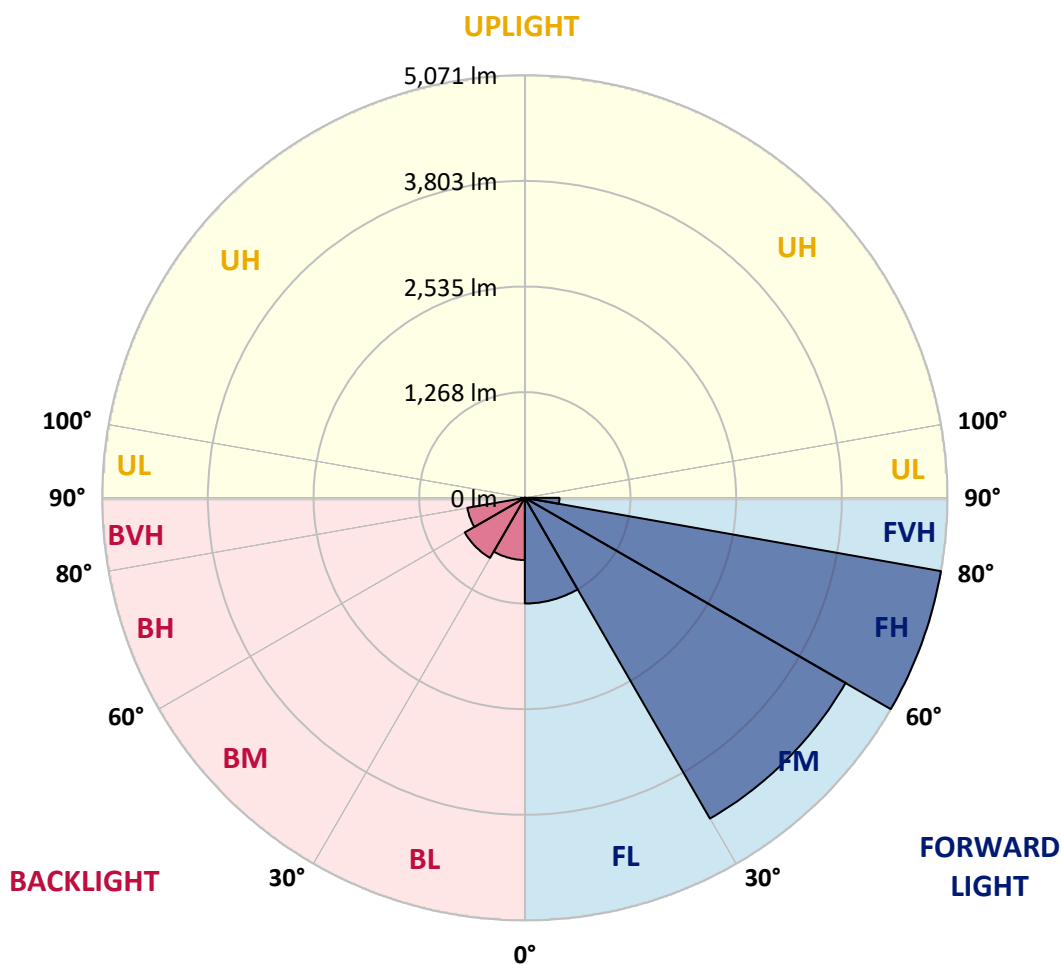


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1267.6	9.4			
FM (30°-60°)	4443.6	32.9			
FH (60°-80°)	5070.5	37.5			G3/7500
FVH (80°-90°)	415.0	3.1			G3/500
BL (0°-30°)	745.5	5.5	B2/1000		
BM (30°-60°)	832.2	6.2	B1/1000		
BH (60°-80°)	699.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	44.8	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°	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4
2.5°	3683.9	3719.1	3729.2	3729.2	3759.4	3724.1	3774.5	3734.2	3744.3	3759.4	3749.3
5°	3507.7	3568.1	3532.9	3598.3	3573.2	3618.5	3678.8	3678.8	3663.7	3693.9	3668.8
7.5°	3336.6	3316.5	3376.9	3376.9	3417.1	3477.5	3527.9	3578.2	3583.2	3593.3	3588.3
10°	3105.1	3130.3	3160.5	3200.7	3251.1	3311.5	3417.1	3457.4	3467.5	3527.9	3512.8
12.5°	2913.9	2949.1	2969.2	3049.8	3095.1	3180.6	3301.4	3356.8	3361.8	3447.3	3447.3
15°	2773.0	2793.1	2838.4	2868.6	2969.2	3090.0	3205.8	3256.1	3311.5	3402.1	3376.9
17.5°	2677.4	2702.5	2722.6	2762.9	2858.5	2959.2	3140.4	3170.5	3236.0	3366.8	3336.6
20°	2622.0	2627.0	2657.2	2682.4	2767.9	2863.6	3024.6	3105.1	3190.7	3306.4	3276.2
22.5°	2632.1	2611.9	2606.9	2642.1	2657.2	2747.8	2944.1	3029.6	3150.4	3286.3	3236.0
25°	2652.2	2657.2	2647.2	2617.0	2622.0	2702.5	2833.4	2944.1	3080.0	3281.3	3180.6
27.5°	2702.5	2727.7	2687.4	2657.2	2627.0	2657.2	2793.1	2873.6	3024.6	3306.4	3175.6
30°	2752.8	2778.0	2767.9	2722.6	2662.3	2652.2	2747.8	2848.5	2994.4	3326.6	3175.6
32.5°	2828.3	2863.6	2828.3	2843.4	2773.0	2727.7	2762.9	2853.5	3024.6	3397.0	3180.6
35°	2913.9	2944.1	2954.1	2918.9	2903.8	2818.3	2838.4	2883.7	3054.8	3477.5	3230.9
37.5°	3009.5	3044.7	3074.9	3080.0	3029.6	2979.3	2969.2	2994.4	3130.3	3618.5	3286.3
40°	3074.9	3095.1	3155.5	3205.8	3220.9	3150.4	3145.4	3145.4	3266.2	3744.3	3387.0
42.5°	3185.6	3175.6	3261.1	3351.7	3376.9	3336.6	3346.7	3387.0	3457.4	3925.4	3548.0
45°	3241.0	3230.9	3331.6	3482.6	3598.3	3578.2	3588.3	3603.4	3668.8	4212.3	3819.8
47.5°	3316.5	3326.6	3472.5	3643.6	3764.4	3834.9	3890.2	3885.2	3935.5	4504.2	4121.7
50°	3392.0	3412.1	3588.3	3769.4	3980.8	4101.6	4182.1	4237.5	4287.8	4811.2	4469.0
52.5°	3537.9	3558.1	3754.3	3950.6	4222.4	4398.5	4599.8	4594.8	4599.8	5118.2	4816.2
55°	3749.3	3754.3	3870.1	4096.6	4463.9	4786.0	5062.8	5093.0	5007.5	5500.7	5213.8
57.5°	3990.9	4011.0	4111.6	4282.8	4655.2	5158.4	5581.2	5641.6	5410.1	5812.7	5576.1
60°	4217.3	4232.4	4388.4	4584.7	4987.3	5626.5	6104.6	6175.0	5923.4	6195.2	5953.6
62.5°	3960.7	4036.2	4313.0	4760.9	5571.1	6336.1	6768.9	6814.2	6421.6	6582.7	6356.2
65°	3170.5	3220.9	3618.5	4343.1	5611.4	7624.4	7795.5	7674.7	7106.1	7080.9	6965.1
67.5°	1766.4	1806.7	2078.5	2838.4	4725.6	8107.5	10004.8	9119.1	8167.9	7830.8	7790.5
70°	1394.0	1404.1	1439.3	1595.3	2622.0	7146.3	11746.1	11786.4	9904.2	8862.4	7966.6
72.5°	1132.3	1127.3	1233.0	1368.9	1550.0	4287.8	11197.6	12747.6	11232.8	8590.7	6940.0
75°	865.6	880.7	1016.6	1212.9	1419.2	2018.1	8354.1	10488.0	10523.2	8006.9	5852.9
77.5°	659.3	664.3	815.3	1071.9	1389.0	1424.2	5450.3	7815.7	7850.9	6200.2	3225.9
80°	493.2	493.2	619.0	905.9	1353.8	1313.5	3356.8	5420.1	4906.8	2179.1	704.6
82.5°	281.8	302.0	412.7	689.5	1228.0	1263.2	1892.3	3105.1	2073.4	593.8	327.1
85°	151.0	156.0	251.6	463.0	1011.6	1207.8	1444.4	1545.0	825.3	317.1	151.0
87.5°	55.4	55.4	115.8	236.5	639.1	895.8	1147.4	986.4	473.1	145.9	75.5
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°	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4	3764.4
2.5°	3759.4	3739.2	3724.1	3739.2	3683.9	3658.7	3688.9	3673.8	3643.6	3628.5	3618.5
5°	3683.9	3658.7	3633.6	3618.5	3558.1	3497.7	3467.5	3407.1	3356.8	3371.9	3341.7
7.5°	3603.4	3578.2	3502.7	3432.2	3311.5	3190.7	3135.3	3049.8	3019.6	2994.4	2979.3
10°	3502.7	3457.4	3341.7	3200.7	3024.6	2888.7	2747.8	2647.2	2541.5	2496.2	2511.3
12.5°	3376.9	3351.7	3170.5	2954.1	2707.5	2481.1	2315.0	2154.0	2013.0	1937.6	1917.4
15°	3321.5	3246.0	2984.3	2697.5	2385.5	2103.6	1857.0	1575.2	1409.1	1328.6	1328.6
17.5°	3261.1	3120.2	2808.2	2415.7	2058.3	1696.0	1348.7	1092.1	961.2	915.9	915.9
20°	3165.5	3009.5	2601.9	2148.9	1716.1	1278.3	966.3	825.3	785.1	754.9	759.9
22.5°	3095.1	2903.8	2410.6	1887.2	1358.8	951.2	759.9	714.6	699.5	689.5	694.5
25°	3014.5	2778.0	2209.3	1605.4	1066.9	749.9	659.3	639.1	649.2	654.2	654.2
27.5°	2949.1	2672.3	2003.0	1303.4	805.2	634.1	593.8	588.8	608.9	619.0	624.0
30°	2903.8	2576.7	1801.7	1026.7	644.2	563.7	543.5	543.5	568.7	578.8	583.8
32.5°	2858.5	2496.2	1585.3	785.1	548.6	503.3	498.2	503.3	518.4	518.4	523.4
35°	2873.6	2420.7	1378.9	634.1	493.2	463.0	463.0	463.0	468.0	473.1	473.1
37.5°	2903.8	2400.6	1157.5	533.5	452.9	432.8	432.8	427.8	432.8	427.8	432.8
40°	2934.0	2370.4	956.2	473.1	427.8	412.7	407.6	397.6	392.5	392.5	397.6
42.5°	3059.8	2410.6	785.1	432.8	407.6	397.6	382.5	372.4	367.4	367.4	367.4
45°	3220.9	2486.1	649.2	412.7	392.5	367.4	357.3	352.3	342.2	347.3	352.3
47.5°	3462.4	2601.9	568.7	397.6	377.4	347.3	337.2	327.1	327.1	337.2	337.2
50°	3779.5	2793.1	518.4	382.5	362.3	332.2	317.1	312.0	312.0	327.1	327.1
52.5°	4121.7	3014.5	498.2	377.4	347.3	317.1	302.0	296.9	296.9	317.1	317.1
55°	4463.9	3286.3	513.3	377.4	337.2	302.0	286.9	276.8	281.8	296.9	296.9
57.5°	4841.4	3578.2	588.8	377.4	327.1	296.9	276.8	261.7	266.7	271.8	271.8
60°	5254.1	3960.7	719.7	377.4	322.1	286.9	261.7	241.6	241.6	246.6	246.6
62.5°	5671.8	4338.1	905.9	382.5	327.1	281.8	241.6	221.4	216.4	221.4	221.4
65°	6220.3	4942.0	1092.1	382.5	342.2	271.8	226.5	201.3	196.3	196.3	201.3
67.5°	6990.3	5374.8	845.5	367.4	352.3	271.8	211.4	186.2	176.1	176.1	176.1
70°	6582.7	4534.4	538.5	342.2	337.2	281.8	201.3	171.1	161.0	156.0	156.0
72.5°	5636.5	3628.5	432.8	322.1	312.0	276.8	191.2	161.0	145.9	140.9	140.9
75°	4519.3	2863.6	377.4	291.9	271.8	231.5	176.1	145.9	135.9	125.8	125.8
77.5°	2214.4	1197.8	286.9	256.7	231.5	176.1	156.0	135.9	120.8	110.7	110.7
80°	553.6	417.7	211.4	201.3	171.1	135.9	125.8	115.8	105.7	95.6	95.6
82.5°	296.9	246.6	151.0	135.9	115.8	95.6	95.6	90.6	85.6	75.5	70.5
85°	151.0	145.9	100.7	90.6	75.5	60.4	65.4	65.4	60.4	45.3	45.3
87.5°	80.5	80.5	50.3	40.3	35.2	30.2	30.2	30.2	25.2	20.1	20.1
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)