

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: P671378

Luminaire Tested: **CCP-SA-2E-730-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671378
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-730-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL3 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

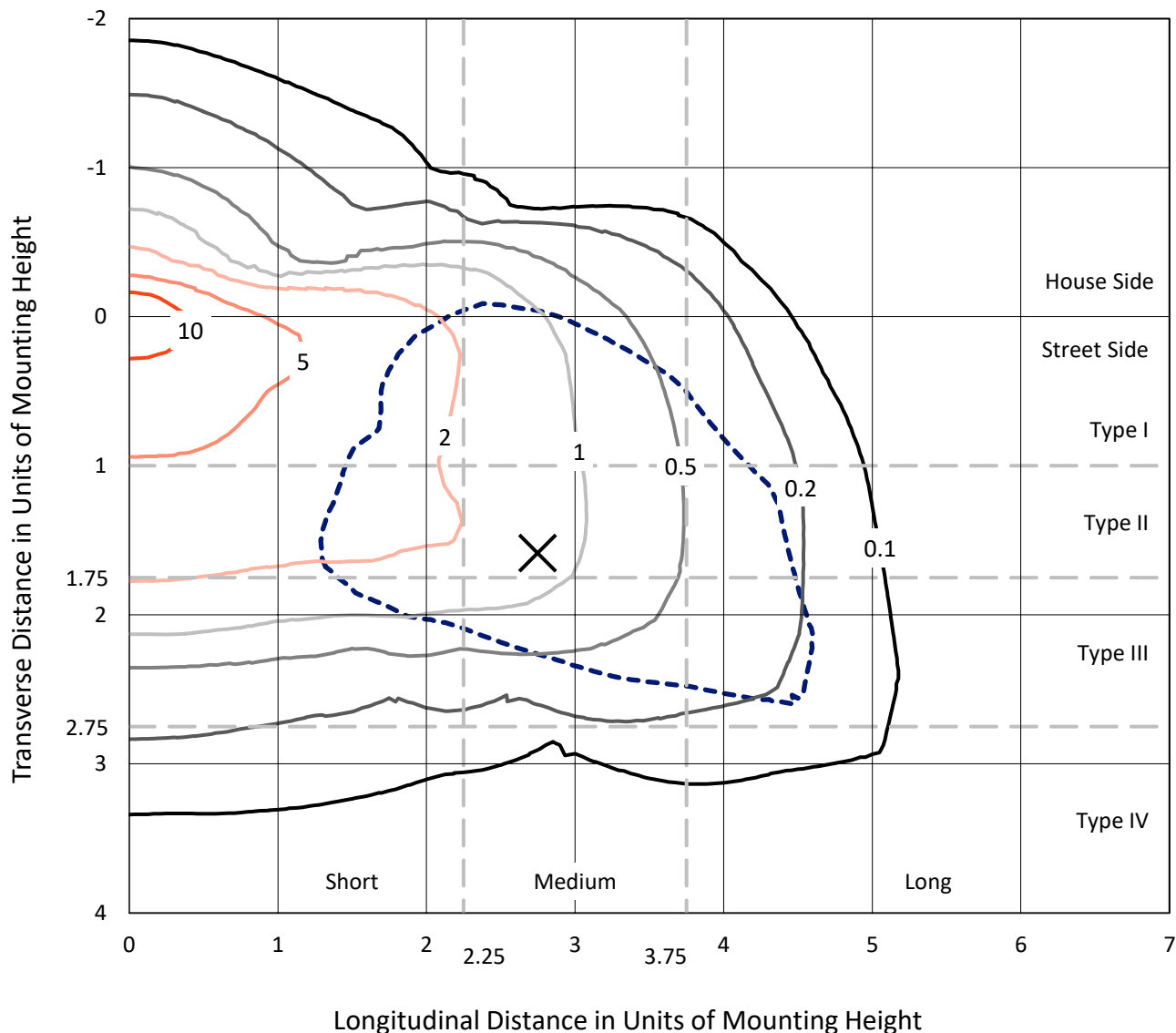
Lumens per Lamp: N/A
Luminaire Lumens: 12310.5 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

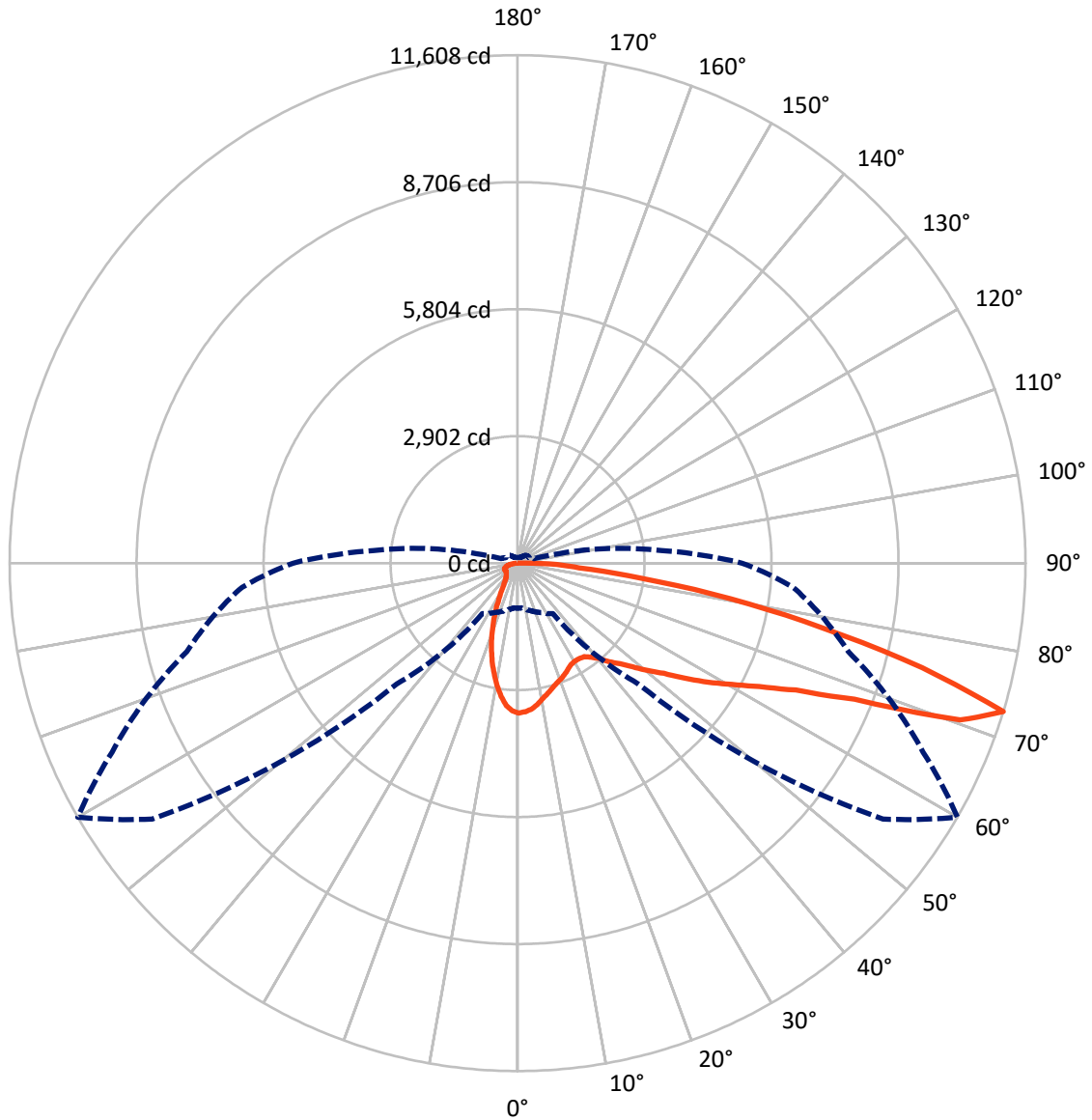
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 15.2 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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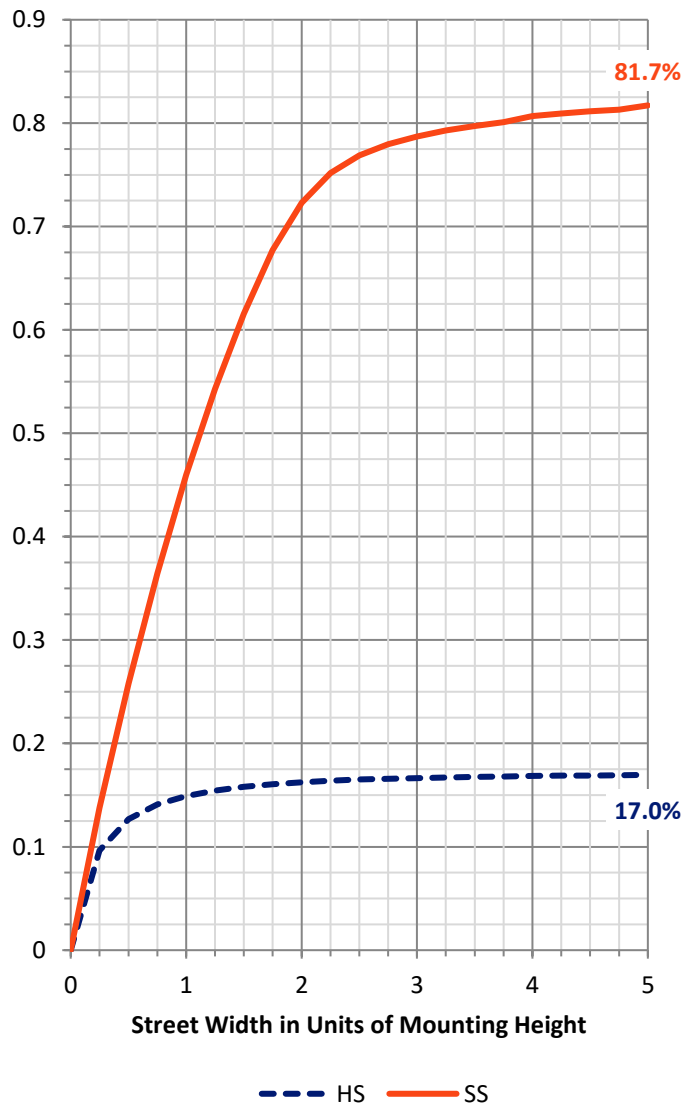
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2114.7	0.0	2114.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	10195.8	0.0	10195.8
	% Fixture	82.8	0.0	82.8
Total	Lumens	12310.5	0.0	12310.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.1	2.4
10°-20°	673.8	5.5
20°-30°	862.3	7.0
30°-40°	1103.1	9.0
40°-50°	1512.9	12.3
50°-60°	2188.2	17.8
60°-70°	3001.9	24.4
70°-80°	2252.6	18.3
80°-90°	418.7	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°	12310.5	100.0
0°-180°	12310.5	100.0



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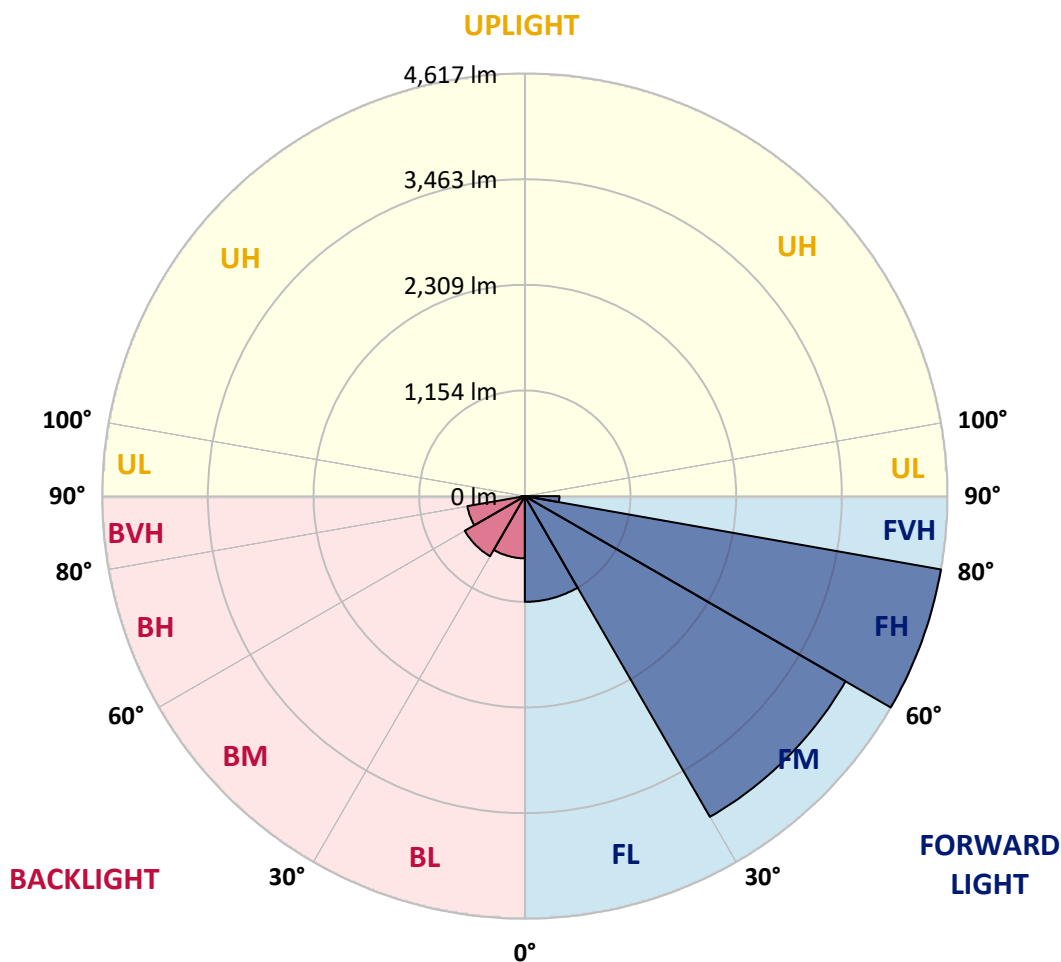
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1154.3	9.4			
FM	(30°-60°)	4046.4	32.9			
FH	(60°-80°)	4617.2	37.5			G2/5000
FVH	(80°-90°)	377.9	3.1			G3/500
BL	(0°-30°)	678.8	5.5	B2/1000		
BM	(30°-60°)	757.8	6.2	B1/1000		
BH	(60°-80°)	637.3	5.2	B2/1000		G2/1000
BVH	(80°-90°)	40.8	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°	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9
2.5°	3354.5	3386.6	3395.8	3395.8	3423.3	3391.2	3437.0	3400.4	3409.5	3423.3	3414.1
5°	3194.1	3249.1	3217.1	3276.6	3253.7	3295.0	3350.0	3350.0	3336.2	3363.7	3340.8
7.5°	3038.3	3020.0	3075.0	3075.0	3111.7	3166.6	3212.5	3258.3	3262.9	3272.0	3267.5
10°	2827.5	2850.4	2877.9	2914.6	2960.4	3015.4	3111.7	3148.3	3157.5	3212.5	3198.7
12.5°	2653.4	2685.5	2703.8	2777.1	2818.4	2896.3	3006.3	3056.7	3061.2	3139.2	3139.2
15°	2525.1	2543.4	2584.6	2612.1	2703.8	2813.8	2919.2	2965.0	3015.4	3097.9	3075.0
17.5°	2438.0	2460.9	2479.2	2515.9	2603.0	2694.6	2859.6	2887.1	2946.7	3065.8	3038.3
20°	2387.6	2392.2	2419.7	2442.6	2520.5	2607.6	2754.2	2827.5	2905.4	3010.8	2983.3
22.5°	2396.8	2378.4	2373.8	2405.9	2419.7	2502.2	2680.9	2758.8	2868.8	2992.5	2946.7
25°	2415.1	2419.7	2410.5	2383.0	2387.6	2460.9	2580.1	2680.9	2804.6	2987.9	2896.3
27.5°	2460.9	2483.8	2447.2	2419.7	2392.2	2419.7	2543.4	2616.7	2754.2	3010.8	2891.7
30°	2506.7	2529.7	2520.5	2479.2	2424.2	2415.1	2502.2	2593.8	2726.7	3029.2	2891.7
32.5°	2575.5	2607.6	2575.5	2589.2	2525.1	2483.8	2515.9	2598.4	2754.2	3093.3	2896.3
35°	2653.4	2680.9	2690.0	2658.0	2644.2	2566.3	2584.6	2625.9	2781.7	3166.6	2942.1
37.5°	2740.5	2772.5	2800.0	2804.6	2758.8	2713.0	2703.8	2726.7	2850.4	3295.0	2992.5
40°	2800.0	2818.4	2873.4	2919.2	2932.9	2868.8	2864.2	2864.2	2974.2	3409.5	3084.2
42.5°	2900.9	2891.7	2969.6	3052.1	3075.0	3038.3	3047.5	3084.2	3148.3	3574.5	3230.8
45°	2951.3	2942.1	3033.7	3171.2	3276.6	3258.3	3267.5	3281.2	3340.8	3835.7	3478.3
47.5°	3020.0	3029.2	3162.1	3317.9	3427.9	3492.0	3542.4	3537.8	3583.7	4101.5	3753.2
50°	3088.7	3107.1	3267.5	3432.4	3624.9	3734.9	3808.2	3858.6	3904.5	4381.1	4069.4
52.5°	3221.6	3240.0	3418.7	3597.4	3844.9	4005.3	4188.6	4184.0	4188.6	4660.6	4385.6
55°	3414.1	3418.7	3524.1	3730.3	4064.9	4358.1	4610.2	4637.7	4559.8	5008.9	4747.7
57.5°	3634.1	3652.4	3744.1	3899.9	4239.0	4697.3	5082.2	5137.2	4926.4	5293.0	5077.6
60°	3840.3	3854.1	3996.1	4174.8	4541.5	5123.5	5558.8	5623.0	5393.8	5641.3	5421.3
62.5°	3606.6	3675.3	3927.4	4335.2	5073.1	5769.6	6163.7	6205.0	5847.5	5994.2	5788.0
65°	2887.1	2932.9	3295.0	3954.9	5109.7	6942.8	7098.6	6988.6	6470.8	6447.9	6342.5
67.5°	1608.5	1645.2	1892.7	2584.6	4303.2	7382.7	9110.4	8303.9	7437.7	7130.7	7094.0
70°	1269.4	1278.6	1310.7	1452.7	2387.6	6507.4	10696.0	10732.7	9018.8	8070.1	7254.4
72.5°	1031.1	1026.5	1122.8	1246.5	1411.5	3904.5	10196.5	11608.0	10228.6	7822.7	6319.5
75°	788.2	802.0	925.7	1104.4	1292.3	1837.7	7607.3	9550.4	9582.4	7291.1	5329.7
77.5°	600.3	604.9	742.4	976.1	1264.8	1296.9	4963.1	7116.9	7149.0	5645.9	2937.5
80°	449.1	449.1	563.7	824.9	1232.7	1196.1	3056.7	4935.6	4468.1	1984.3	641.6
82.5°	256.6	275.0	375.8	627.8	1118.2	1150.3	1723.1	2827.5	1888.1	540.8	297.9
85°	137.5	142.1	229.1	421.6	921.1	1099.8	1315.2	1406.9	751.6	288.7	137.5
87.5°	50.4	50.4	105.4	215.4	582.0	815.7	1044.9	898.2	430.8	132.9	68.7
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°	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9	3427.9
2.5°	3423.3	3404.9	3391.2	3404.9	3354.5	3331.6	3359.1	3345.4	3317.9	3304.1	3295.0
5°	3354.5	3331.6	3308.7	3295.0	3240.0	3185.0	3157.5	3102.5	3056.7	3070.4	3042.9
7.5°	3281.2	3258.3	3189.6	3125.4	3015.4	2905.4	2855.0	2777.1	2749.6	2726.7	2713.0
10°	3189.6	3148.3	3042.9	2914.6	2754.2	2630.5	2502.2	2410.5	2314.3	2273.0	2286.8
12.5°	3075.0	3052.1	2887.1	2690.0	2465.5	2259.3	2108.0	1961.4	1833.1	1764.3	1746.0
15°	3024.6	2955.8	2717.5	2456.3	2172.2	1915.6	1691.0	1434.4	1283.2	1209.8	1209.8
17.5°	2969.6	2841.3	2557.1	2199.7	1874.3	1544.4	1228.2	994.4	875.3	834.1	834.1
20°	2882.5	2740.5	2369.3	1956.8	1562.7	1164.0	879.9	751.6	714.9	687.4	692.0
22.5°	2818.4	2644.2	2195.1	1718.5	1237.3	866.1	692.0	650.7	637.0	627.8	632.4
25°	2745.0	2529.7	2011.8	1461.9	971.5	682.8	600.3	582.0	591.2	595.8	595.8
27.5°	2685.5	2433.4	1823.9	1186.9	733.2	577.4	540.8	536.2	554.5	563.7	568.3
30°	2644.2	2346.3	1640.6	934.9	586.6	513.3	494.9	494.9	517.8	527.0	531.6
32.5°	2603.0	2273.0	1443.6	714.9	499.5	458.3	453.7	458.3	472.0	472.0	476.6
35°	2616.7	2204.3	1255.7	577.4	449.1	421.6	421.6	421.6	426.2	430.8	430.8
37.5°	2644.2	2185.9	1054.0	485.8	412.4	394.1	394.1	389.5	394.1	389.5	394.1
40°	2671.7	2158.5	870.7	430.8	389.5	375.8	371.2	362.0	357.5	357.5	362.0
42.5°	2786.3	2195.1	714.9	394.1	371.2	362.0	348.3	339.1	334.5	334.5	334.5
45°	2932.9	2263.9	591.2	375.8	357.5	334.5	325.4	320.8	311.6	316.2	320.8
47.5°	3152.9	2369.3	517.8	362.0	343.7	316.2	307.0	297.9	297.9	307.0	307.0
50°	3441.6	2543.4	472.0	348.3	330.0	302.5	288.7	284.1	284.1	297.9	297.9
52.5°	3753.2	2745.0	453.7	343.7	316.2	288.7	275.0	270.4	270.4	288.7	288.7
55°	4064.9	2992.5	467.4	343.7	307.0	275.0	261.2	252.0	256.6	270.4	270.4
57.5°	4408.6	3258.3	536.2	343.7	297.9	270.4	252.0	238.3	242.9	247.5	247.5
60°	4784.3	3606.6	655.3	343.7	293.3	261.2	238.3	220.0	220.0	224.6	224.6
62.5°	5164.7	3950.3	824.9	348.3	297.9	256.6	220.0	201.6	197.1	201.6	201.6
65°	5664.2	4500.2	994.4	348.3	311.6	247.5	206.2	183.3	178.7	178.7	183.3
67.5°	6365.4	4894.3	769.9	334.5	320.8	247.5	192.5	169.6	160.4	160.4	160.4
70°	5994.2	4129.0	490.3	311.6	307.0	256.6	183.3	155.8	146.6	142.1	142.1
72.5°	5132.6	3304.1	394.1	293.3	284.1	252.0	174.1	146.6	132.9	128.3	128.3
75°	4115.3	2607.6	343.7	265.8	247.5	210.8	160.4	132.9	123.7	114.6	114.6
77.5°	2016.4	1090.7	261.2	233.7	210.8	160.4	142.1	123.7	110.0	100.8	100.8
80°	504.1	380.4	192.5	183.3	155.8	123.7	114.6	105.4	96.2	87.1	87.1
82.5°	270.4	224.6	137.5	123.7	105.4	87.1	87.1	82.5	77.9	68.7	64.2
85°	137.5	132.9	91.7	82.5	68.7	55.0	59.6	59.6	55.0	41.2	41.2
87.5°	73.3	73.3	45.8	36.7	32.1	27.5	27.5	27.5	22.9	18.3	18.3
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)