

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: P671234

Luminaire Tested: **CCP-SA-2E-730-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671234
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-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

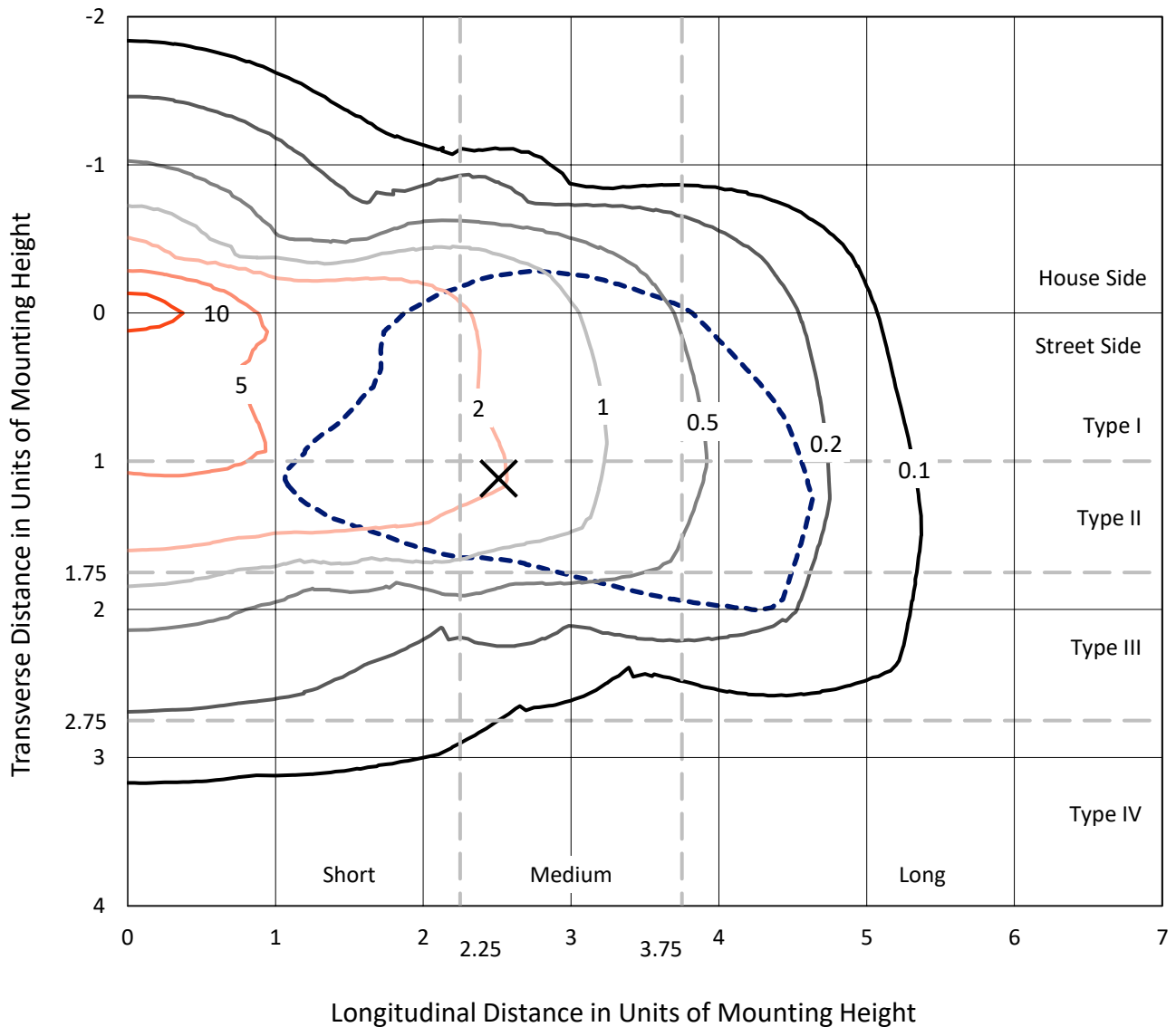
Lumens per Lamp: N/A
Luminaire Lumens: 12322.3 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

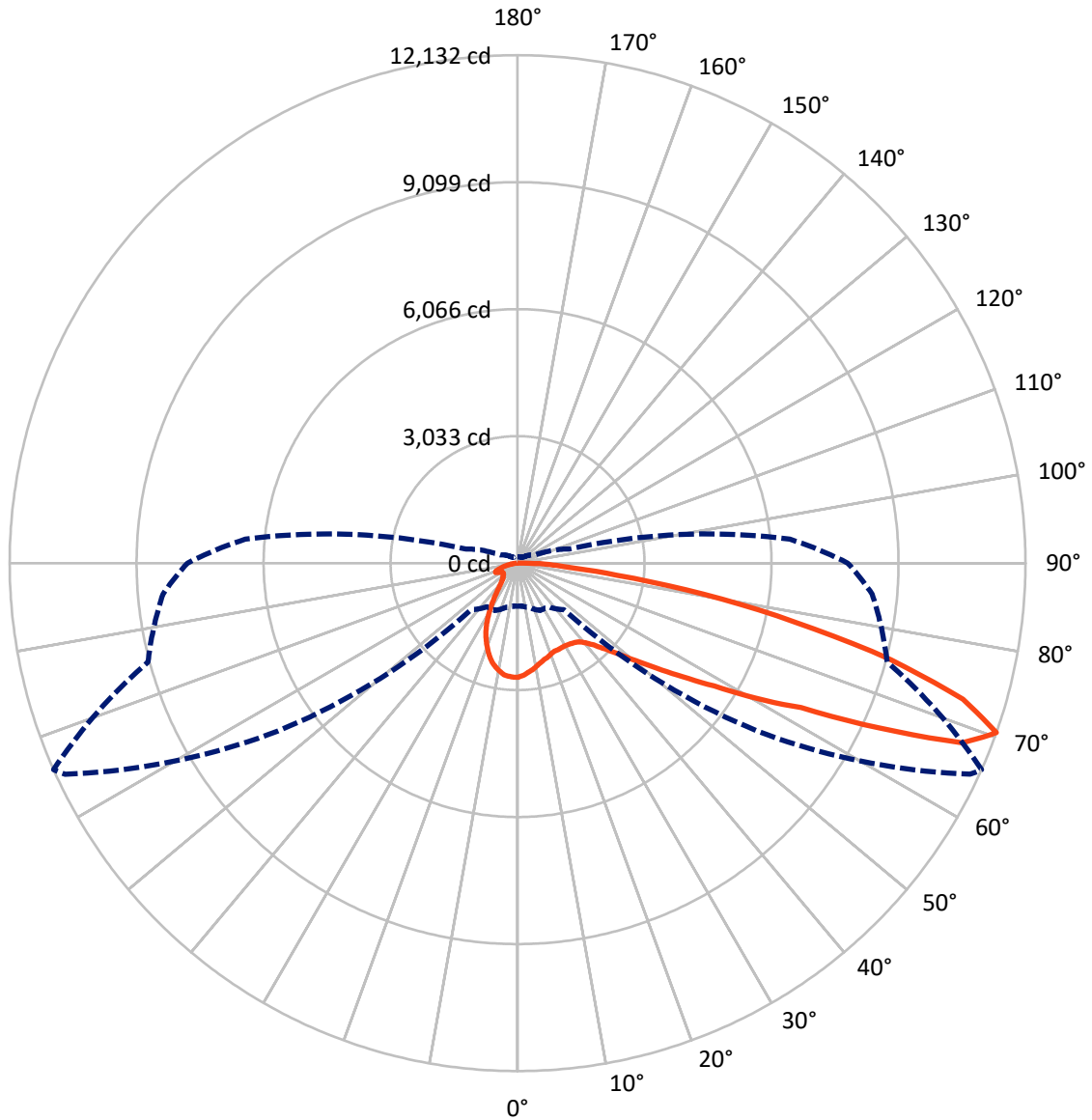
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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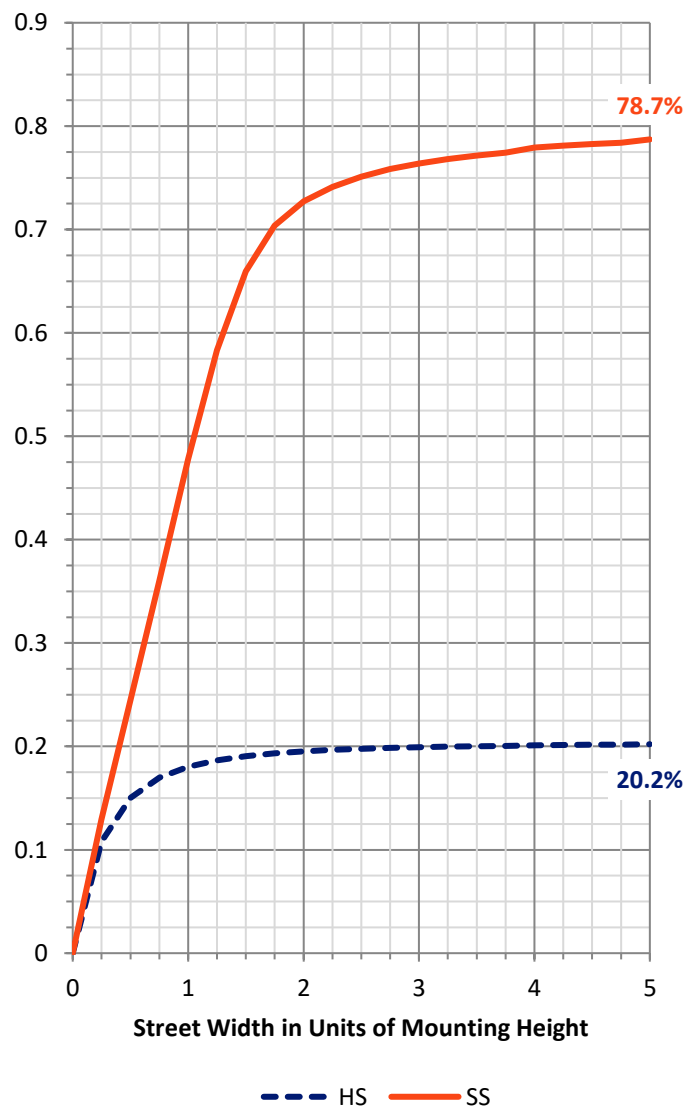
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2522.2	0.0	2522.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	9800.1	0.0	9800.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	12322.3	0.0	12322.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.7	2.0
10°-20°	592.6	4.8
20°-30°	813.8	6.6
30°-40°	1091.1	8.9
40°-50°	1583.2	12.8
50°-60°	2406.4	19.5
60°-70°	2972.1	24.1
70°-80°	2210.1	17.9
80°-90°	412.2	3.3
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°	12322.3	100.0
0°-180°	12322.3	100.0



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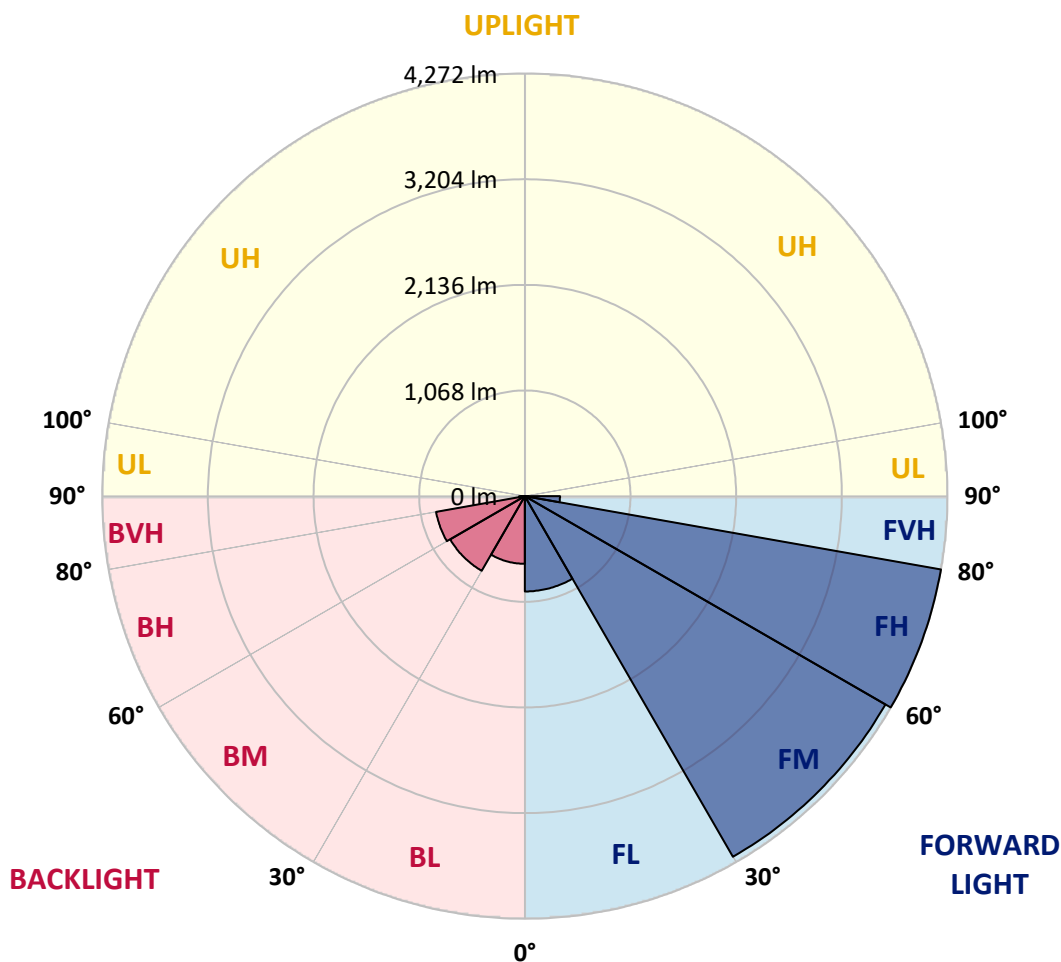
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	963.5	7.8			
FM (30°-60°)	4209.5	34.2			
FH (60°-80°)	4271.7	34.7			G2/5000
FVH (80°-90°)	355.4	2.9			G3/500
BL (0°-30°)	683.6	5.5	B2/1000		
BM (30°-60°)	871.3	7.1	B1/1000		
BH (60°-80°)	910.5	7.4	B2/1000		G2/1000
BVH (80°-90°)	56.9	0.5			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°	65°	66°	75°	85°
0°	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4
2.5°	2589.5	2603.2	2607.8	2617.0	2639.9	2658.2	2685.7	2699.5	2685.7	2704.0	2704.0
5°	2410.7	2392.4	2438.2	2456.6	2484.1	2520.7	2584.9	2635.3	2621.6	2676.5	2722.4
7.5°	2259.5	2259.5	2273.2	2314.5	2346.6	2401.6	2470.3	2548.2	2571.1	2644.5	2713.2
10°	2122.0	2140.3	2140.3	2204.5	2222.8	2287.0	2401.6	2497.8	2502.4	2626.1	2722.4
12.5°	2048.7	2039.5	2085.3	2103.7	2158.7	2222.8	2314.5	2433.6	2438.2	2571.1	2704.0
15°	1989.1	1998.2	2021.2	2067.0	2117.4	2167.8	2254.9	2364.9	2387.8	2543.6	2694.9
17.5°	1993.7	1998.2	1998.2	2030.3	2071.6	2131.2	2213.7	2342.0	2355.7	2507.0	2681.1
20°	2021.2	2002.8	2016.6	2030.3	2057.8	2112.8	2181.6	2291.6	2305.3	2502.4	2713.2
22.5°	2080.7	2067.0	2062.4	2057.8	2053.2	2085.3	2172.4	2264.1	2277.8	2479.5	2727.0
25°	2177.0	2172.4	2140.3	2108.2	2085.3	2085.3	2154.1	2287.0	2282.4	2479.5	2736.1
27.5°	2291.6	2291.6	2287.0	2227.4	2158.7	2122.0	2167.8	2277.8	2273.2	2479.5	2759.0
30°	2447.4	2447.4	2433.6	2378.6	2254.9	2149.5	2177.0	2268.7	2282.4	2461.1	2740.7
32.5°	2617.0	2612.4	2626.1	2575.7	2447.4	2277.8	2232.0	2287.0	2300.7	2479.5	2745.3
35°	2740.7	2768.2	2814.0	2768.2	2639.9	2410.7	2309.9	2323.6	2332.8	2484.1	2763.6
37.5°	2882.8	2914.9	2979.0	3015.7	2878.2	2612.4	2433.6	2383.2	2383.2	2543.6	2768.2
40°	3089.0	3056.9	3166.9	3231.1	3176.1	2859.9	2626.1	2493.2	2497.8	2621.6	2827.8
42.5°	3240.3	3272.4	3386.9	3501.5	3432.8	3162.4	2837.0	2672.0	2672.0	2736.1	2919.5
45°	3409.9	3446.5	3606.9	3744.4	3794.8	3524.4	3125.7	2928.6	2919.5	2960.7	3084.4
47.5°	3597.8	3648.2	3831.5	3991.9	4124.8	3900.2	3496.9	3240.3	3235.7	3267.8	3359.4
50°	3813.2	3831.5	3982.7	4276.1	4541.9	4399.8	3950.7	3680.3	3657.3	3671.1	3794.8
52.5°	3877.3	3863.6	4037.7	4354.0	4839.8	5009.4	4569.4	4179.8	4170.7	4138.6	4299.0
55°	3643.6	3689.4	3859.0	4262.3	5082.7	5728.9	5247.7	4862.7	4780.2	4693.1	4885.6
57.5°	3176.1	3180.7	3373.2	3849.8	4894.8	6324.7	6398.1	5531.8	5536.4	5302.7	5522.7
60°	2470.3	2456.6	2607.8	3038.6	4358.6	6508.0	7653.8	6599.7	6553.9	5912.2	6113.9
62.5°	1782.8	1755.3	1787.4	2039.5	3258.6	6228.5	8886.7	7795.9	7603.4	6535.5	6691.4
65°	1466.6	1480.4	1494.1	1507.9	1828.7	5137.7	9267.1	9748.3	9491.7	7264.3	7328.4
67.5°	1214.5	1223.7	1283.3	1365.8	1356.6	3034.0	8827.1	11554.1	11457.8	8167.1	7878.4
70°	1031.2	1026.6	1095.4	1246.6	1269.5	1576.6	6989.3	11925.3	12131.6	9138.8	8501.7
72.5°	825.0	834.1	893.7	1095.4	1246.6	1329.1	4024.0	11127.8	11123.3	9885.8	8167.1
75°	591.2	591.2	673.7	907.5	1205.4	1315.4	2227.4	9033.4	9202.9	9290.0	7085.5
77.5°	389.6	407.9	472.1	678.3	1132.0	1287.9	1411.6	6567.6	6778.5	6948.0	5421.8
80°	265.8	275.0	316.2	472.1	957.9	1297.0	1154.9	4418.1	4500.6	3836.1	2199.9
82.5°	160.4	165.0	210.8	330.0	687.5	1232.9	1086.2	2438.2	2387.8	1159.5	632.5
85°	87.1	91.7	132.9	220.0	453.7	1077.0	1067.9	1196.2	1113.7	426.2	265.8
87.5°	32.1	32.1	59.6	110.0	261.2	737.9	930.4	710.4	664.6	215.4	123.7
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°	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4	2722.4
2.5°	2727.0	2727.0	2727.0	2727.0	2722.4	2704.0	2717.8	2713.2	2685.7	2690.3	2672.0
5°	2717.8	2740.7	2727.0	2708.6	2685.7	2630.7	2612.4	2598.6	2562.0	2548.2	2562.0
7.5°	2740.7	2722.4	2713.2	2681.1	2589.5	2539.1	2474.9	2397.0	2342.0	2328.2	2342.0
10°	2736.1	2736.1	2694.9	2603.2	2516.1	2369.5	2287.0	2149.5	2071.6	2048.7	2053.2
12.5°	2717.8	2731.5	2667.4	2520.7	2355.7	2177.0	2025.7	1879.1	1741.6	1686.6	1677.4
15°	2736.1	2722.4	2607.8	2419.9	2190.7	1943.2	1723.3	1507.9	1379.5	1297.0	1278.7
17.5°	2708.6	2694.9	2529.9	2282.4	1975.3	1659.1	1384.1	1150.4	1022.0	990.0	990.0
20°	2740.7	2653.6	2438.2	2117.4	1750.8	1347.4	1035.8	861.6	829.5	829.5	838.7
22.5°	2736.1	2644.5	2360.3	1957.0	1480.4	1017.5	770.0	719.6	724.1	760.8	756.2
25°	2708.6	2626.1	2250.3	1778.3	1196.2	765.4	637.1	623.3	655.4	696.6	692.1
27.5°	2704.0	2575.7	2149.5	1567.4	912.0	605.0	554.6	554.6	586.6	623.3	618.7
30°	2676.5	2534.5	2025.7	1329.1	687.5	527.1	508.7	508.7	522.5	540.8	540.8
32.5°	2672.0	2479.5	1888.3	1081.6	550.0	476.6	467.5	472.1	472.1	481.2	476.6
35°	2635.3	2406.1	1746.2	838.7	476.6	449.1	440.0	435.4	435.4	430.8	430.8
37.5°	2621.6	2360.3	1599.5	650.8	444.6	426.2	417.1	403.3	398.7	398.7	394.1
40°	2635.3	2314.5	1457.4	527.1	417.1	407.9	394.1	375.8	371.2	371.2	371.2
42.5°	2685.7	2309.9	1310.8	458.3	403.3	389.6	371.2	352.9	348.3	352.9	348.3
45°	2800.3	2346.6	1168.7	426.2	385.0	371.2	348.3	334.6	330.0	334.6	334.6
47.5°	2988.2	2447.4	1040.4	407.9	371.2	352.9	330.0	316.2	316.2	316.2	316.2
50°	3299.9	2639.9	916.6	394.1	362.1	339.2	316.2	297.9	293.3	293.3	297.9
52.5°	3767.3	2969.9	815.8	385.0	348.3	320.8	297.9	284.2	275.0	270.4	275.0
55°	4331.1	3451.1	783.7	375.8	330.0	307.1	284.2	265.8	256.7	256.7	252.1
57.5°	4936.0	3982.7	838.7	366.7	316.2	288.7	265.8	247.5	238.3	233.7	233.7
60°	5591.4	4610.6	1040.4	362.1	302.5	270.4	247.5	233.7	220.0	215.4	215.4
62.5°	6187.2	5178.9	1402.4	357.5	293.3	252.1	229.2	210.8	201.7	197.1	197.1
65°	6865.5	5811.4	1755.3	375.8	288.7	238.3	210.8	192.5	183.3	178.7	178.7
67.5°	7456.8	6361.4	1961.6	421.6	302.5	220.0	187.9	174.2	169.6	165.0	165.0
70°	7887.6	6531.0	1315.4	462.9	325.4	206.2	169.6	160.4	151.2	151.2	151.2
72.5°	7310.1	5829.7	779.1	435.4	307.1	192.5	151.2	142.1	137.5	137.5	132.9
75°	6251.4	4963.5	600.4	352.9	247.5	165.0	132.9	123.7	119.2	119.2	114.6
77.5°	4615.2	3556.5	444.6	279.6	192.5	132.9	114.6	110.0	105.4	100.8	100.8
80°	1805.8	1558.3	302.5	206.2	142.1	105.4	96.2	91.7	87.1	82.5	82.5
82.5°	559.1	472.1	174.2	137.5	100.8	82.5	77.9	73.3	68.7	64.2	64.2
85°	242.9	233.7	114.6	87.1	68.7	55.0	55.0	50.4	45.8	41.2	41.2
87.5°	119.2	114.6	64.2	41.2	36.7	27.5	27.5	22.9	18.3	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)