

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: P673704

Luminaire Tested: **CCP-SA-2E-740-U-SL2-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673704  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-740-U-SL2-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ SL2 distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

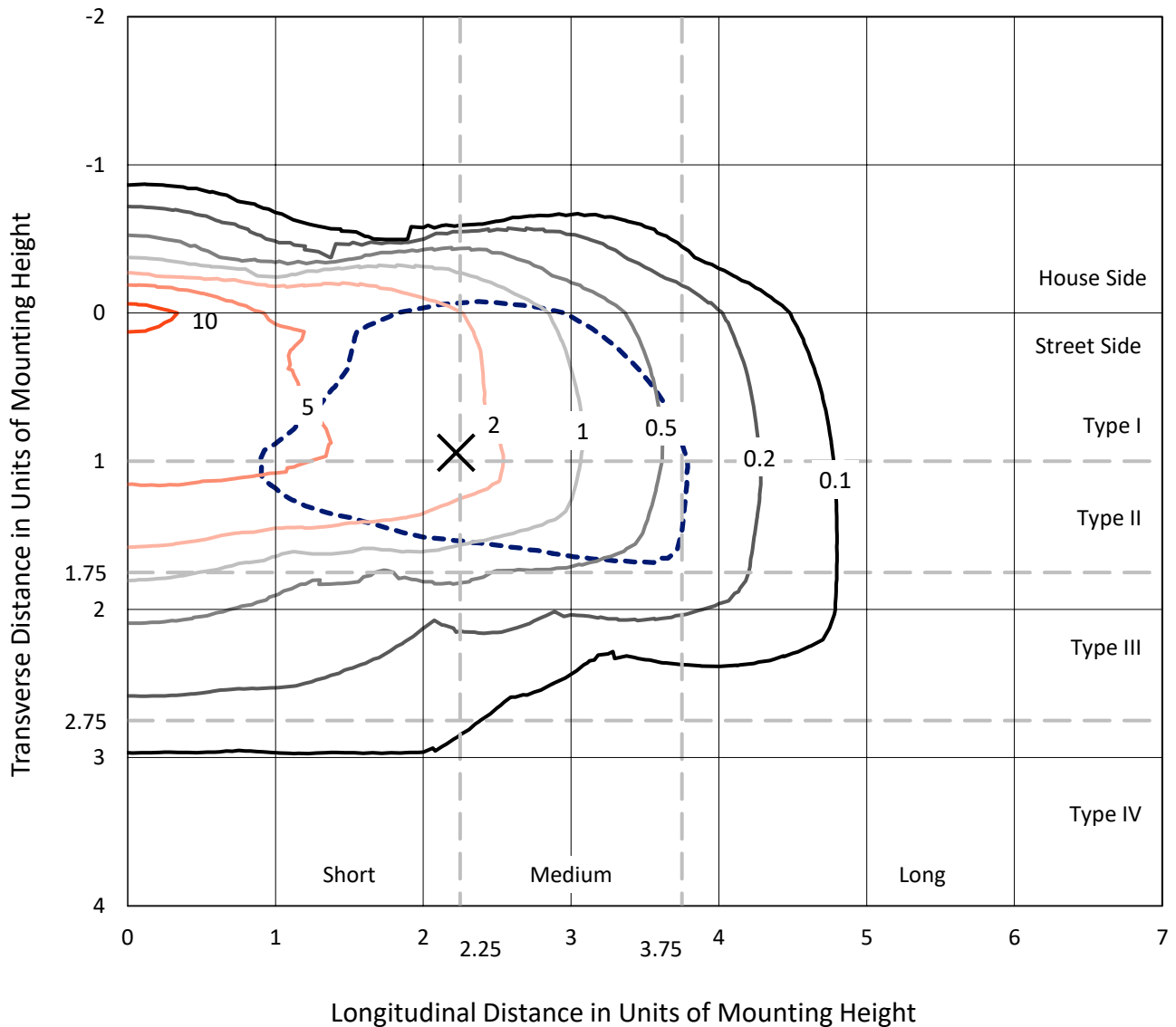
Lumens per Lamp: N/A  
Luminaire Lumens: 10995.3 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

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

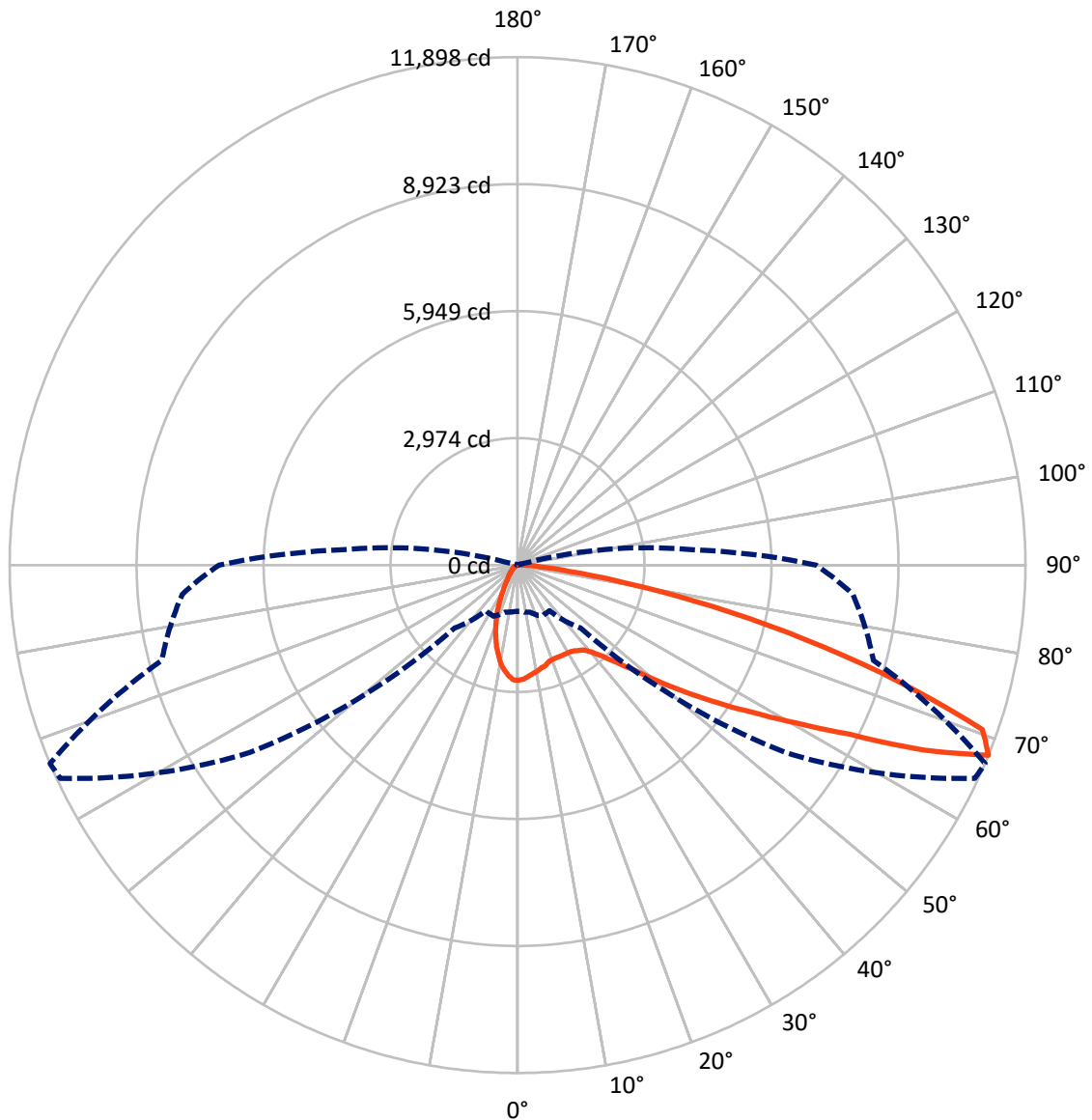
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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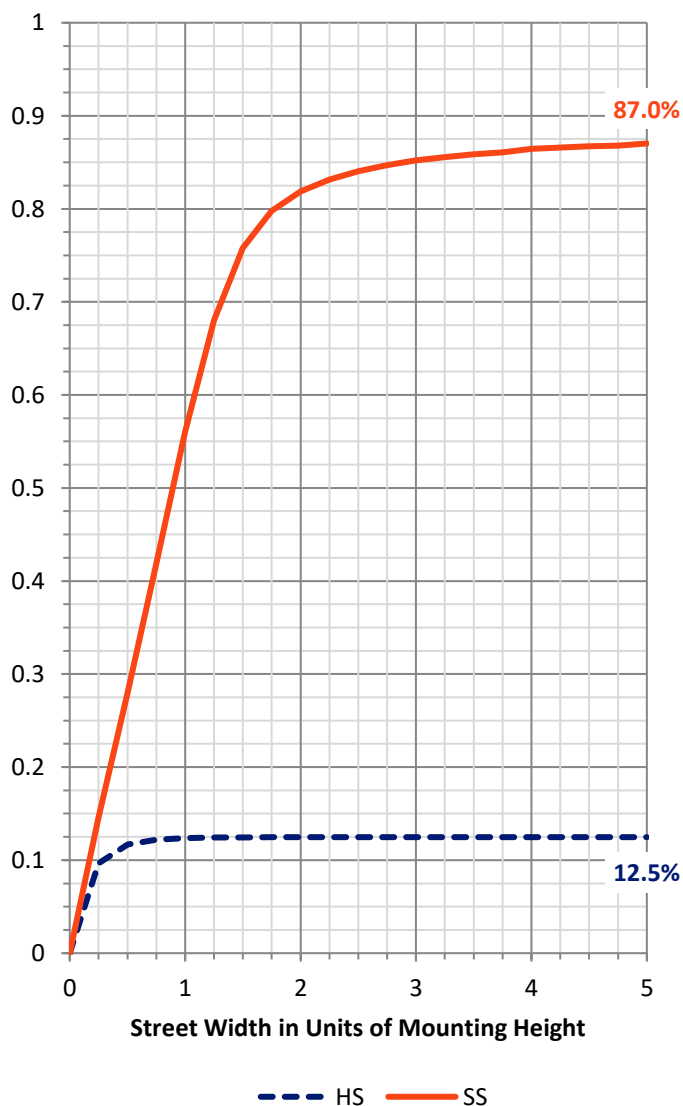
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1383.8	0.0	1383.8
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	9611.5	0.0	9611.5
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	10995.3	0.0	10995.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.2	2.1
10°-20°	504.8	4.6
20°-30°	717.8	6.5
30°-40°	1045.2	9.5
40°-50°	1617.6	14.7
50°-60°	2482.6	22.6
60°-70°	2691.1	24.5
70°-80°	1518.2	13.8
80°-90°	190.8	1.7
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°	10995.3	100.0
0°-180°	10995.3	100.0

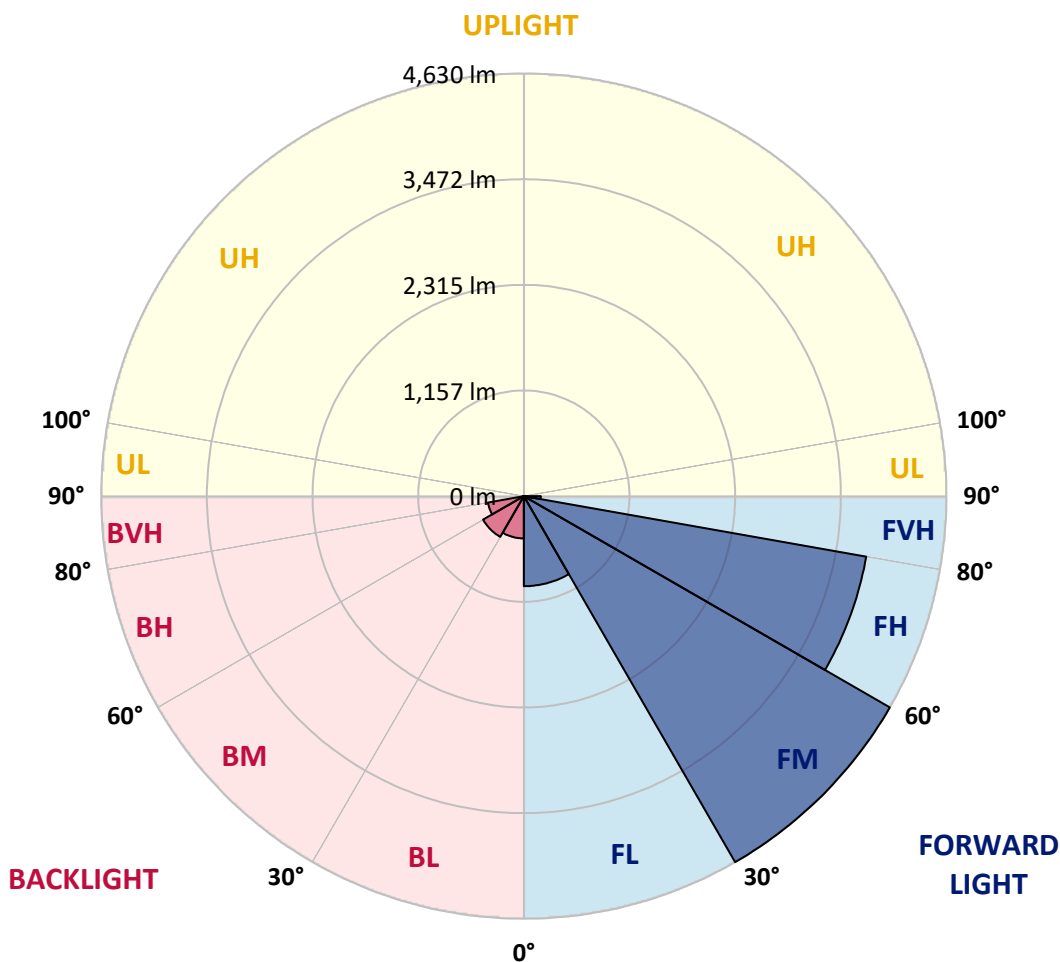


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	986.6	9.0			
FM (30°-60°)	4630.0	42.1			
FH (60°-80°)	3809.6	34.6			G2/5000
FVH (80°-90°)	185.3	1.7			G2/225
BL (0°-30°)	463.2	4.2	B1/500		
BM (30°-60°)	515.4	4.7	B1/1000		
BH (60°-80°)	399.7	3.6	B1/500		G1/500
BVH (80°-90°)	5.5	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-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9
2.5°	2580.4	2593.6	2612.2	2638.7	2657.2	2646.6	2654.6	2699.6	2675.7	2696.9	2686.3
5°	2437.3	2450.6	2477.1	2474.4	2495.6	2535.3	2588.3	2646.6	2620.1	2683.7	2707.5
7.5°	2289.0	2283.7	2283.7	2339.3	2384.3	2440.0	2469.1	2564.5	2567.1	2622.8	2681.0
10°	2153.8	2169.7	2196.2	2217.4	2259.8	2339.3	2424.1	2498.2	2527.4	2638.7	2654.6
12.5°	2071.7	2079.7	2111.5	2130.0	2185.6	2262.5	2352.5	2447.9	2471.8	2585.7	2662.5
15°	2037.3	2055.8	2066.4	2100.9	2130.0	2201.5	2267.8	2376.4	2445.3	2535.3	2630.7
17.5°	2063.8	2055.8	2061.1	2071.7	2106.2	2169.7	2241.3	2349.9	2373.7	2524.7	2667.8
20°	2098.2	2100.9	2085.0	2079.7	2071.7	2132.6	2190.9	2331.3	2357.8	2524.7	2691.6
22.5°	2190.9	2161.8	2190.9	2148.5	2106.2	2132.6	2188.3	2334.0	2352.5	2522.1	2715.5
25°	2304.8	2310.1	2318.1	2228.0	2167.1	2148.5	2206.8	2341.9	2357.8	2543.3	2726.1
27.5°	2466.5	2490.3	2450.6	2405.5	2283.7	2190.9	2204.2	2336.6	2365.8	2532.7	2752.6
30°	2683.7	2665.1	2670.4	2567.1	2447.9	2302.2	2265.1	2349.9	2371.1	2545.9	2802.9
32.5°	2871.8	2850.6	2887.7	2850.6	2662.5	2461.2	2336.6	2376.4	2400.2	2577.7	2845.3
35°	2988.4	3014.8	3073.1	3112.9	2953.9	2667.8	2455.9	2447.9	2458.5	2593.6	2877.1
37.5°	3168.5	3216.2	3263.9	3364.6	3226.8	2922.1	2644.0	2540.6	2522.1	2670.4	2893.0
40°	3364.6	3351.3	3491.7	3610.9	3605.6	3279.8	2906.2	2704.9	2678.4	2792.3	2999.0
42.5°	3528.8	3515.6	3671.9	3867.9	3889.1	3624.2	3205.6	2938.0	2914.2	2980.4	3128.8
45°	3743.4	3754.0	3939.4	4172.6	4249.4	4079.8	3610.9	3271.8	3258.6	3237.4	3375.1
47.5°	3934.1	3992.4	4151.4	4426.9	4705.1	4551.4	4087.8	3759.3	3666.6	3618.9	3756.6
50°	4066.6	4119.6	4313.0	4607.1	5115.7	5213.7	4622.9	4278.5	4281.2	4164.6	4238.8
52.5°	4066.6	4064.0	4220.3	4607.1	5401.8	5905.2	5338.2	4932.9	4954.1	4832.2	4837.5
55°	3674.5	3666.6	3857.3	4267.9	5370.0	6570.1	6421.8	5762.1	5709.1	5473.4	5497.2
57.5°	2959.2	2977.8	3123.5	3616.2	4956.8	6880.1	7712.0	6694.7	6514.5	6027.0	6027.0
60°	2159.1	2143.2	2251.9	2596.3	3971.2	6763.5	8771.7	7794.1	7510.6	6485.4	6416.5
62.5°	1642.5	1639.9	1669.0	1785.6	2519.4	5897.2	9227.3	9192.9	8731.9	6935.7	6837.7
65°	1327.3	1332.6	1372.3	1454.4	1539.2	4021.6	8986.3	10861.9	10440.7	7606.0	7285.4
67.5°	1083.5	1096.8	1144.5	1322.0	1303.4	2082.3	7653.7	11818.3	11897.8	8628.6	7886.8
70°	834.5	855.7	911.3	1163.0	1255.7	1385.6	5306.5	11341.4	11553.4	9264.4	7523.9
72.5°	566.9	564.3	683.5	943.1	1269.0	1269.0	2953.9	9134.6	9336.0	8541.2	6535.7
75°	307.3	325.9	453.0	712.6	1163.0	1226.6	1682.3	6684.1	6967.5	6641.7	5054.8
77.5°	166.9	169.6	251.7	466.3	967.0	1171.0	1123.3	4546.1	4657.4	4005.7	2768.5
80°	87.4	90.1	132.5	304.7	667.6	1086.2	935.2	2710.2	2604.2	1536.6	914.0
82.5°	39.7	42.4	66.2	190.7	426.5	855.7	808.0	1308.7	1208.1	429.2	278.2
85°	15.9	15.9	29.1	113.9	249.0	421.2	691.5	657.0	548.4	129.8	137.8
87.5°	5.3	5.3	7.9	45.0	100.7	251.7	368.2	347.1	238.4	47.7	74.2
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°	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9
2.5°	2675.7	2704.9	2696.9	2691.6	2641.3	2636.0	2630.7	2583.0	2598.9	2559.2	2585.7
5°	2691.6	2707.5	2665.1	2585.7	2514.1	2434.7	2373.7	2331.3	2254.5	2225.4	2220.1
7.5°	2675.7	2675.7	2588.3	2461.2	2320.7	2190.9	2026.7	1910.1	1822.7	1756.5	1780.3
10°	2654.6	2622.8	2532.7	2307.5	2053.2	1857.1	1621.3	1449.1	1319.3	1276.9	1250.4
12.5°	2654.6	2598.9	2397.6	2090.3	1761.8	1465.0	1184.2	959.0	834.5	760.3	749.7
15°	2630.7	2548.6	2299.6	1886.3	1478.3	1075.6	755.0	561.6	455.7	426.5	415.9
17.5°	2636.0	2538.0	2153.8	1645.2	1147.1	715.3	461.0	355.0	328.5	315.3	317.9
20°	2646.6	2538.0	2024.0	1409.4	826.6	445.1	317.9	299.4	286.1	280.8	283.5
22.5°	2681.0	2487.6	1891.6	1168.3	559.0	320.6	280.8	262.3	251.7	243.7	241.1
25°	2686.3	2479.7	1764.4	929.9	384.1	270.2	246.4	225.2	211.9	201.3	198.7
27.5°	2678.4	2445.3	1586.9	691.5	288.8	241.1	209.3	188.1	169.6	161.6	159.0
30°	2707.5	2381.7	1435.9	498.1	243.7	209.3	177.5	153.7	137.8	127.2	127.2
32.5°	2710.2	2326.0	1269.0	355.0	222.5	185.4	151.0	124.5	108.6	103.3	103.3
35°	2712.8	2275.7	1083.5	270.2	198.7	159.0	124.5	103.3	92.7	84.8	84.8
37.5°	2720.8	2238.6	914.0	227.8	177.5	135.1	103.3	84.8	74.2	71.5	71.5
40°	2736.7	2188.3	736.5	201.3	153.7	113.9	87.4	71.5	60.9	58.3	55.6
42.5°	2779.1	2175.0	588.1	180.1	137.8	95.4	71.5	58.3	50.3	45.0	42.4
45°	2953.9	2209.5	455.7	166.9	116.6	79.5	60.9	47.7	37.1	34.4	31.8
47.5°	3240.0	2323.4	360.3	148.4	98.0	66.2	50.3	37.1	29.1	26.5	23.8
50°	3674.5	2583.0	294.1	132.5	82.1	55.6	39.7	29.1	21.2	18.5	18.5
52.5°	4244.1	2932.7	254.3	116.6	66.2	47.7	31.8	21.2	15.9	13.2	13.2
55°	4826.9	3346.0	238.4	100.7	55.6	39.7	23.8	15.9	10.6	7.9	7.9
57.5°	5362.1	3613.6	230.5	82.1	47.7	29.1	18.5	10.6	5.3	2.6	2.6
60°	5695.9	3809.6	206.6	66.2	37.1	23.8	13.2	5.3	2.6	0.0	0.0
62.5°	6135.7	4008.3	169.6	50.3	26.5	15.9	7.9	2.6	0.0	0.0	0.0
65°	6715.9	4230.9	132.5	39.7	21.2	10.6	5.3	2.6	0.0	0.0	0.0
67.5°	6994.0	4114.3	90.1	29.1	13.2	5.3	2.6	0.0	0.0	0.0	0.0
70°	6437.7	3465.2	63.6	21.2	7.9	2.6	2.6	0.0	0.0	0.0	0.0
72.5°	5412.4	2715.5	47.7	13.2	5.3	2.6	0.0	0.0	0.0	0.0	0.0
75°	3989.8	1698.2	37.1	10.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2116.8	633.2	26.5	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	625.2	185.4	18.5	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	206.6	55.6	10.6	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	106.0	21.2	5.3	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	60.9	7.9	5.3	5.3	2.6	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)