

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: P674402

Luminaire Tested: **CCP-SA-2E-730-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674402  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-730-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ AFL distribution lens and House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

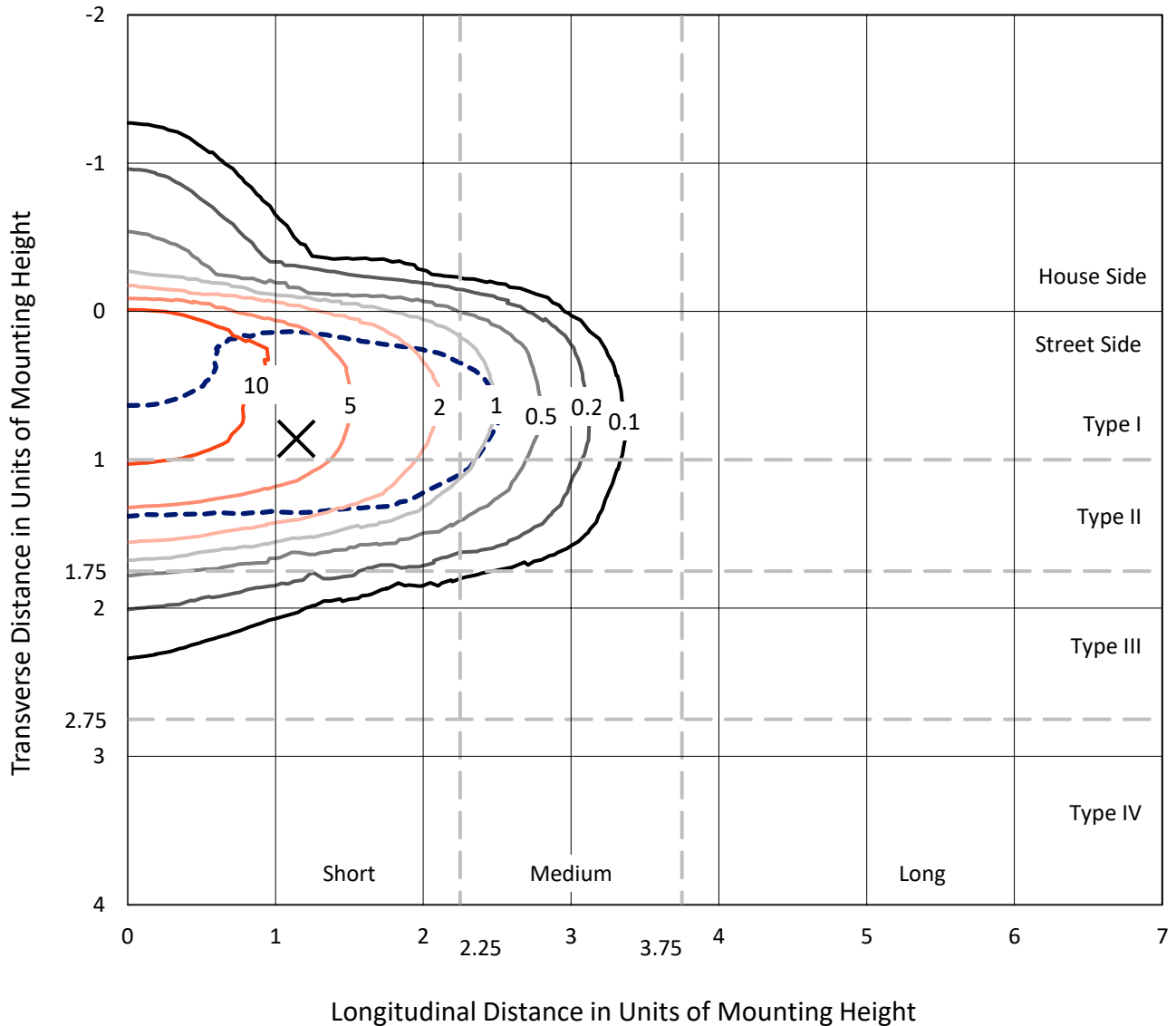
Lumens per Lamp: N/A  
Luminaire Lumens: 10324.8 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

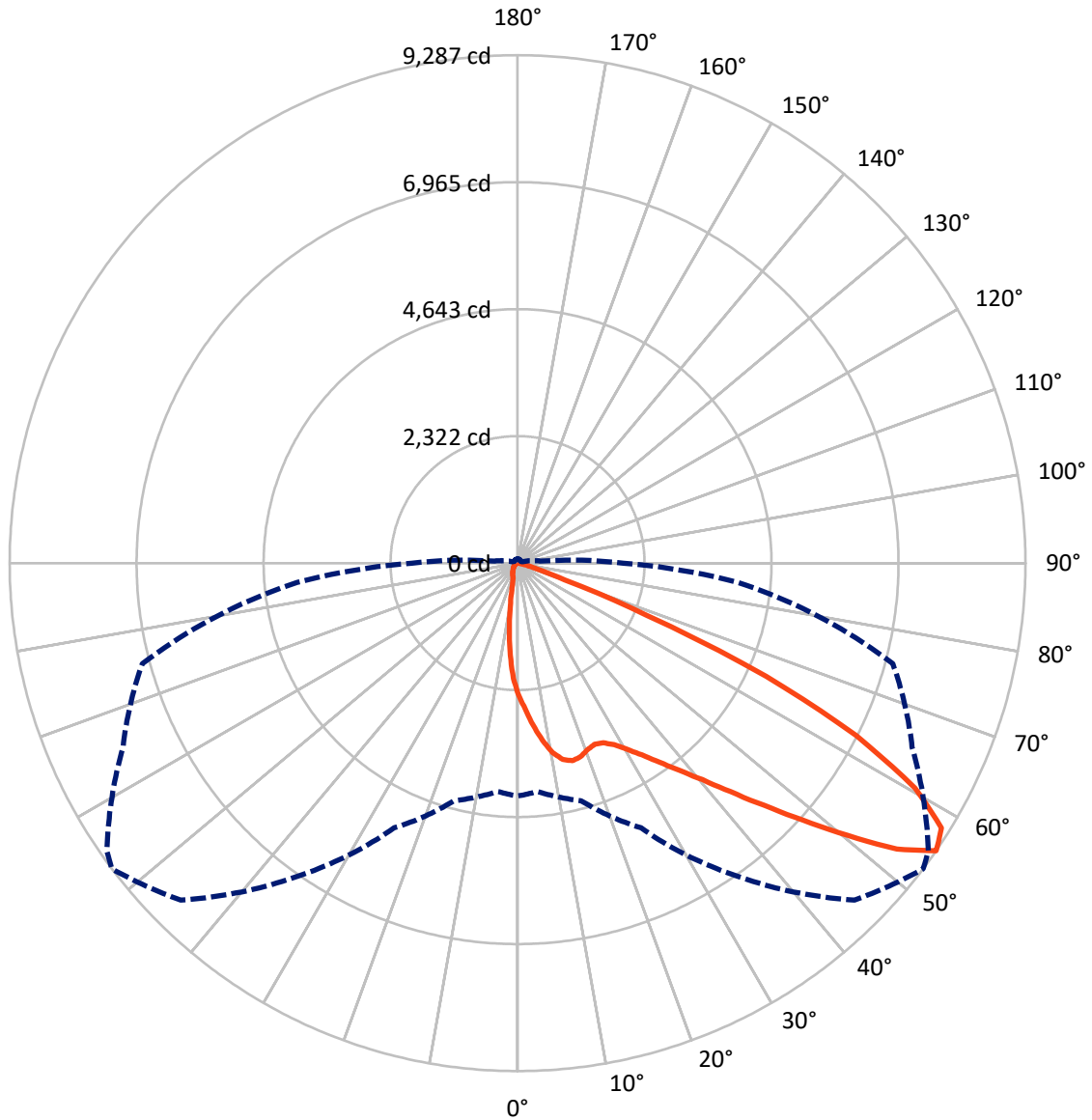
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 15.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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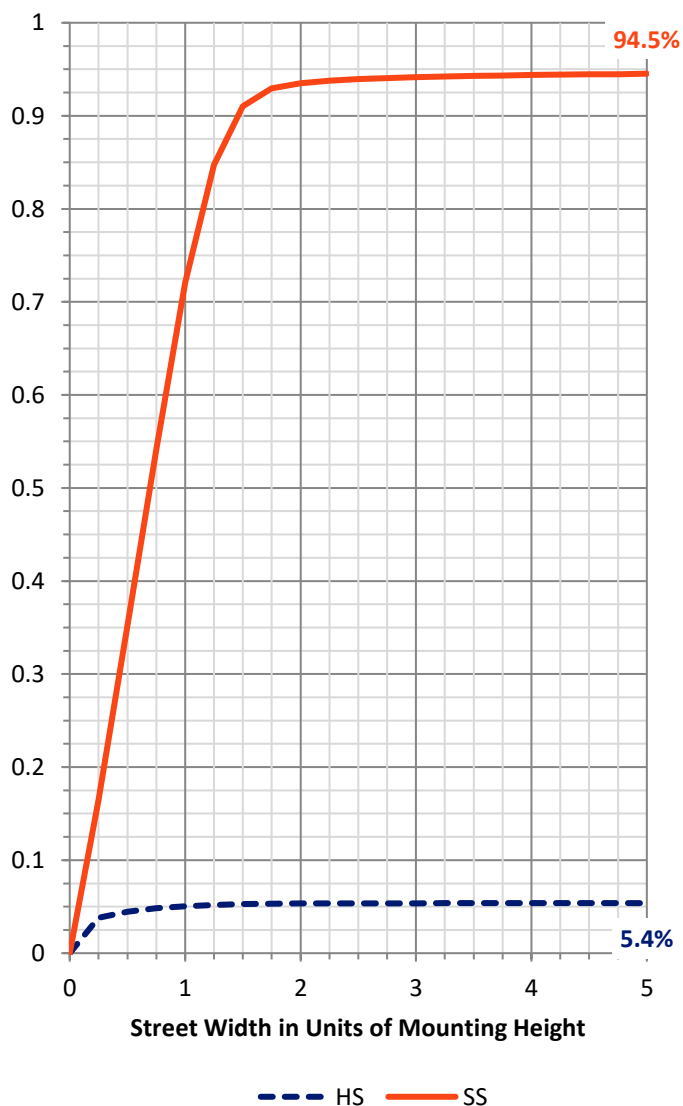
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	558.1	0.0	558.1
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	9766.7	0.0	9766.7
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	10324.8	0.0	10324.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.0	2.1
10°-20°	564.5	5.5
20°-30°	944.8	9.2
30°-40°	1545.7	15.0
40°-50°	2484.6	24.1
50°-60°	2805.2	27.2
60°-70°	1496.3	14.5
70°-80°	245.9	2.4
80°-90°	22.0	0.2
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°	10324.8	100.0
0°-180°	10324.8	100.0

**Coefficient of Utilization**



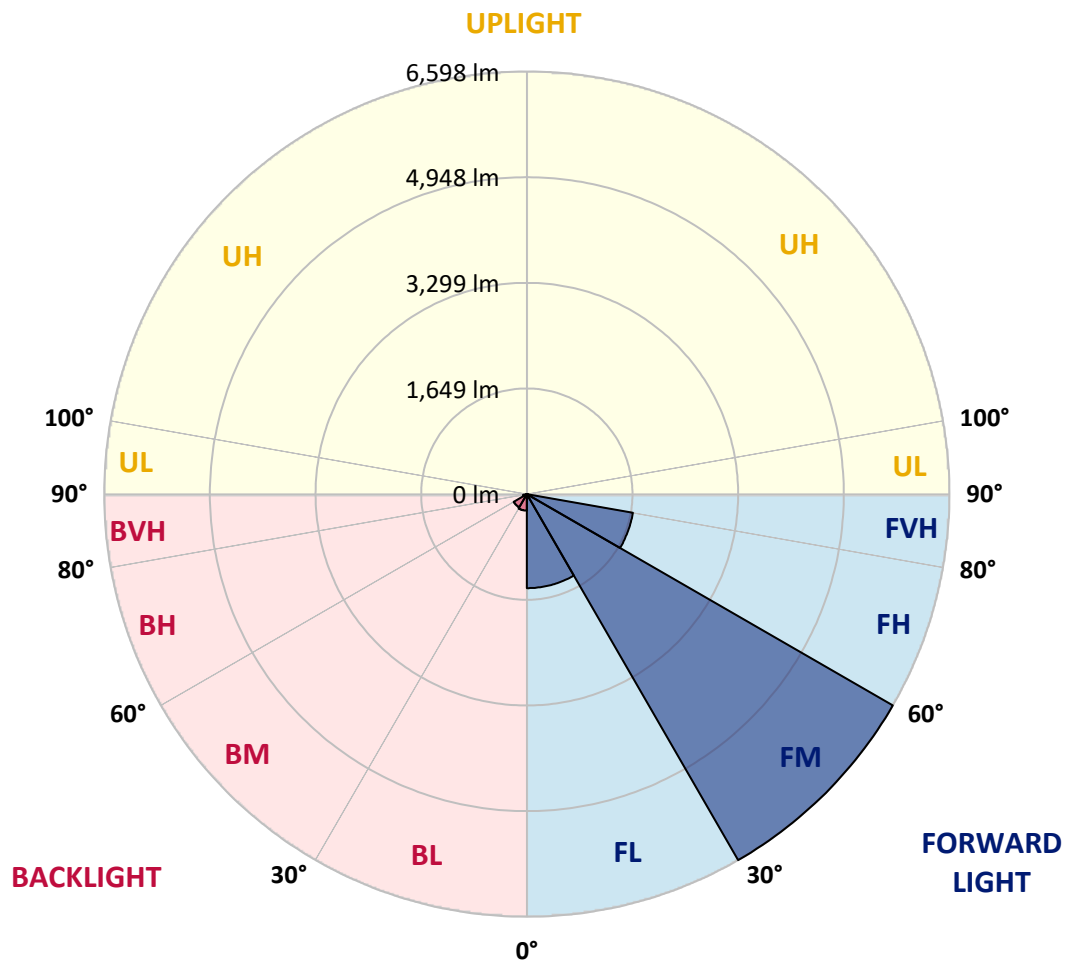
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1467.7	14.2			
FM (30°-60°)	6597.6	63.9			
FH (60°-80°)	1681.1	16.3			G1/1800
FVH (80°-90°)	20.2	0.2			G1/100
BL (0°-30°)	257.5	2.5	B1/500		
BM (30°-60°)	237.8	2.3	B1/1000		
BH (60°-80°)	61.0	0.6	B0/110		G0/110
BVH (80°-90°)	1.8	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3
2.5°	2897.5	2880.3	2890.3	2864.0	2816.1	2756.4	2666.8	2671.4	2600.8	2539.3	2454.2
5°	3376.1	3358.0	3352.5	3285.6	3218.7	3111.0	2978.0	2956.3	2827.0	2670.5	2492.2
7.5°	3628.4	3613.1	3624.8	3600.4	3534.4	3436.7	3268.4	3252.1	3052.2	2815.2	2552.8
10°	3512.7	3507.2	3557.0	3614.9	3668.3	3656.5	3521.7	3496.4	3272.0	2974.4	2615.3
12.5°	3201.5	3218.7	3282.0	3388.7	3553.4	3708.1	3686.3	3690.9	3496.4	3147.2	2684.0
15°	3018.7	3039.5	3075.7	3130.9	3333.5	3608.5	3748.8	3794.0	3711.7	3339.9	2765.4
17.5°	3003.4	3020.5	3026.0	3046.8	3165.3	3448.4	3723.4	3809.4	3903.5	3521.7	2856.8
20°	3121.9	3129.1	3124.6	3109.2	3151.7	3361.6	3643.8	3766.9	4061.8	3715.3	2937.3
22.5°	3345.3	3334.4	3320.9	3263.9	3261.2	3386.0	3600.4	3728.9	4155.8	3875.4	2990.7
25°	3622.1	3599.5	3580.5	3500.0	3462.0	3513.6	3639.3	3742.4	4240.9	4031.0	3028.7
27.5°	3924.3	3931.5	3884.5	3775.9	3716.2	3705.3	3759.6	3836.5	4323.2	4170.3	3049.5
30°	4247.2	4250.8	4189.3	4077.1	4022.9	3953.2	3949.6	3995.7	4411.9	4330.4	3069.4
32.5°	4615.4	4625.3	4524.9	4408.2	4313.2	4222.8	4178.5	4217.4	4571.1	4539.4	3110.1
35°	5147.3	5103.9	4968.2	4791.8	4657.0	4538.5	4470.7	4496.0	4782.7	4790.0	3191.5
37.5°	5695.5	5691.0	5540.8	5286.6	5065.9	4918.4	4802.6	4844.3	5080.4	5125.6	3321.8
40°	6206.6	6218.4	6088.1	5866.5	5582.4	5329.1	5205.2	5233.3	5475.7	5532.7	3480.1
42.5°	6540.4	6534.1	6544.1	6480.7	6195.8	5897.2	5710.9	5726.3	5935.2	5965.1	3678.2
45°	6694.2	6669.8	6754.8	6955.7	6842.6	6528.7	6316.1	6297.1	6412.0	6403.8	3858.2
47.5°	6561.2	6516.0	6711.4	7195.4	7414.3	7319.3	7015.4	6981.0	6883.3	6818.2	4045.5
50°	5900.0	5880.1	6298.0	7081.4	7773.4	8050.2	7826.8	7699.3	7303.9	7123.9	4144.1
52.5°	5271.2	5216.1	5498.3	6499.7	7613.3	8638.3	8684.4	8457.3	7653.1	7211.7	4110.6
55°	4258.1	4190.2	4497.8	5340.0	6979.2	8713.3	9286.9	9168.4	7958.9	7103.1	4042.8
57.5°	2586.3	2519.4	2971.7	3824.8	5581.5	8089.1	9138.5	9258.8	8194.1	6983.7	3998.4
60°	1087.4	1044.8	1222.1	1825.5	3564.2	6648.1	8351.5	8651.8	8238.4	6820.0	4016.5
62.5°	565.4	546.4	556.3	730.9	1441.1	4377.5	6951.1	7474.0	7791.5	6747.6	4034.6
65°	424.3	409.8	378.1	401.7	560.0	1892.5	4995.3	5695.5	6822.7	6564.0	3912.5
67.5°	348.3	334.7	312.1	304.9	330.2	656.8	2550.1	3460.2	5346.3	5781.5	3474.7
70°	277.7	273.2	266.0	252.4	247.9	318.4	914.6	1410.3	3535.3	4077.1	2518.5
72.5°	231.6	232.5	224.3	212.6	196.3	205.3	364.6	482.2	1710.6	1954.9	1054.8
75°	193.6	193.6	196.3	180.0	163.7	141.1	202.6	235.2	549.1	451.4	225.3
77.5°	152.0	153.8	165.5	152.0	131.2	88.7	110.4	125.7	162.8	130.3	82.3
80°	121.2	119.4	114.9	136.6	117.6	62.4	52.5	57.9	76.0	62.4	40.7
82.5°	85.0	84.1	80.5	92.3	91.4	46.1	34.4	35.3	46.1	39.8	25.3
85°	20.8	24.4	51.6	43.4	38.0	27.1	20.8	22.6	29.9	26.2	13.6
87.5°	9.0	9.0	23.5	28.0	18.1	11.8	9.0	10.0	15.4	15.4	8.1
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°	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3	2416.3
2.5°	2424.4	2365.6	2291.4	2212.7	2132.2	2035.4	1973.9	1923.2	1883.4	1852.7	1841.8
5°	2433.4	2320.4	2152.1	1943.1	1730.5	1531.5	1377.7	1263.8	1169.7	1118.1	1095.5
7.5°	2432.5	2282.4	1978.4	1628.3	1282.8	996.0	792.5	666.7	582.6	548.2	527.4
10°	2431.6	2232.6	1780.3	1279.1	857.6	577.2	425.2	354.6	323.9	312.1	310.3
12.5°	2457.9	2175.6	1558.7	941.7	538.3	359.1	295.8	279.5	272.3	268.7	267.8
15°	2472.3	2123.2	1325.3	664.9	362.8	284.1	264.2	256.9	254.2	252.4	251.5
17.5°	2487.7	2041.7	1103.6	481.3	290.4	257.8	246.1	241.5	239.7	239.7	239.7
20°	2490.4	1954.0	883.8	354.6	257.8	240.6	228.9	224.3	221.6	219.8	219.8
22.5°	2470.5	1850.0	694.8	287.7	238.8	224.3	211.7	204.4	199.9	199.0	199.0
25°	2420.8	1702.5	532.8	252.4	223.4	208.1	192.7	184.5	180.9	180.9	180.9
27.5°	2349.3	1528.8	411.6	224.3	203.5	188.2	174.6	167.4	166.5	165.5	166.5
30°	2267.9	1361.5	314.8	199.0	180.0	167.4	156.5	152.9	154.7	154.7	155.6
32.5°	2186.5	1194.1	246.1	179.1	159.2	148.4	142.9	142.9	145.6	145.6	145.6
35°	2116.8	1030.4	206.3	162.8	144.7	135.7	133.0	135.7	137.5	138.4	138.4
37.5°	2077.9	889.2	181.8	148.4	133.0	125.7	124.8	127.6	131.2	133.9	134.8
40°	2063.4	780.7	167.4	137.5	122.1	117.6	116.7	120.3	126.6	131.2	132.1
42.5°	2064.4	684.8	154.7	126.6	114.9	108.6	108.6	114.0	120.3	124.8	124.8
45°	2070.7	602.5	142.0	115.8	108.6	97.7	98.6	105.8	110.4	114.9	114.9
47.5°	2076.1	536.4	128.5	104.0	94.1	88.7	90.5	95.9	102.2	109.5	109.5
50°	2044.5	489.4	114.9	91.4	82.3	80.5	84.1	88.7	97.7	104.9	105.8
52.5°	1968.5	446.9	103.1	81.4	74.2	75.1	79.6	82.3	89.6	90.5	91.4
55°	1935.0	425.2	94.1	74.2	67.8	70.6	73.3	74.2	72.4	67.8	67.8
57.5°	1927.8	410.7	85.0	66.9	62.4	66.0	65.1	59.7	54.3	48.8	47.9
60°	1935.0	390.8	77.8	57.9	57.0	57.9	55.2	45.2	38.0	34.4	32.6
62.5°	1893.4	361.8	71.5	49.8	49.8	48.8	41.6	30.8	24.4	21.7	20.8
65°	1755.9	304.9	65.1	41.6	40.7	38.9	28.0	20.8	16.3	13.6	12.7
67.5°	1485.4	236.1	58.8	34.4	32.6	27.1	18.1	13.6	9.0	8.1	7.2
70°	1013.2	146.5	49.8	27.1	24.4	17.2	10.9	8.1	5.4	4.5	3.6
72.5°	367.3	85.0	41.6	20.8	16.3	10.9	6.3	3.6	2.7	2.7	1.8
75°	86.8	59.7	31.7	15.4	10.9	6.3	3.6	2.7	1.8	1.8	0.9
77.5°	39.8	46.1	20.8	9.0	7.2	4.5	2.7	1.8	0.9	0.9	0.0
80°	22.6	32.6	10.0	6.3	5.4	3.6	1.8	0.9	0.9	0.0	0.0
82.5°	11.8	18.1	7.2	5.4	4.5	2.7	1.8	0.0	0.0	0.0	0.0
85°	8.1	9.0	5.4	4.5	3.6	2.7	1.8	0.0	0.0	0.0	0.0
87.5°	6.3	6.3	5.4	4.5	3.6	2.7	0.9	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)