

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: P671367

Luminaire Tested: **CCP-SA-2E-727-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671367  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-727-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL3 distribution lens  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

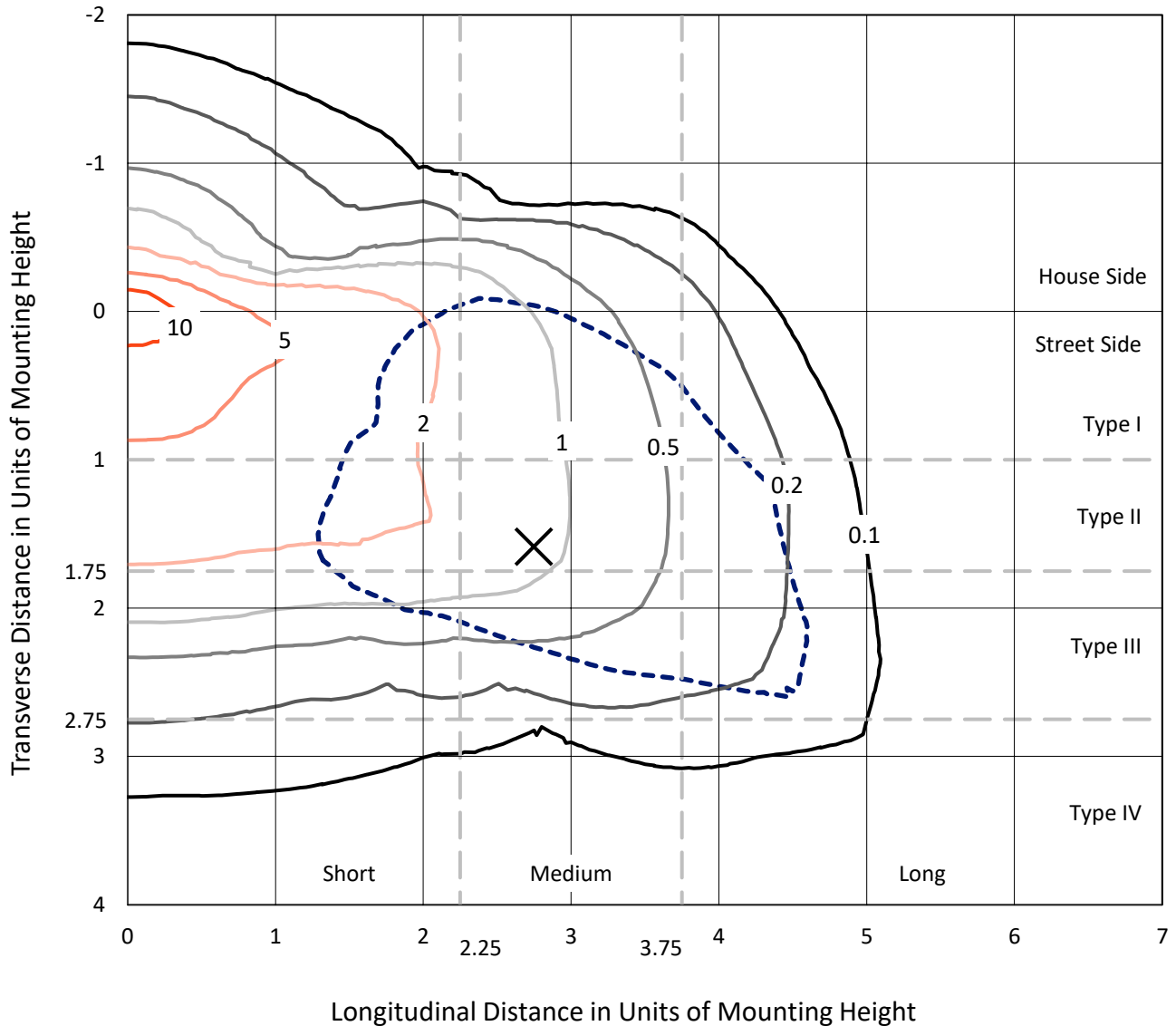
Lumens per Lamp: N/A  
Luminaire Lumens: 11306 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

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

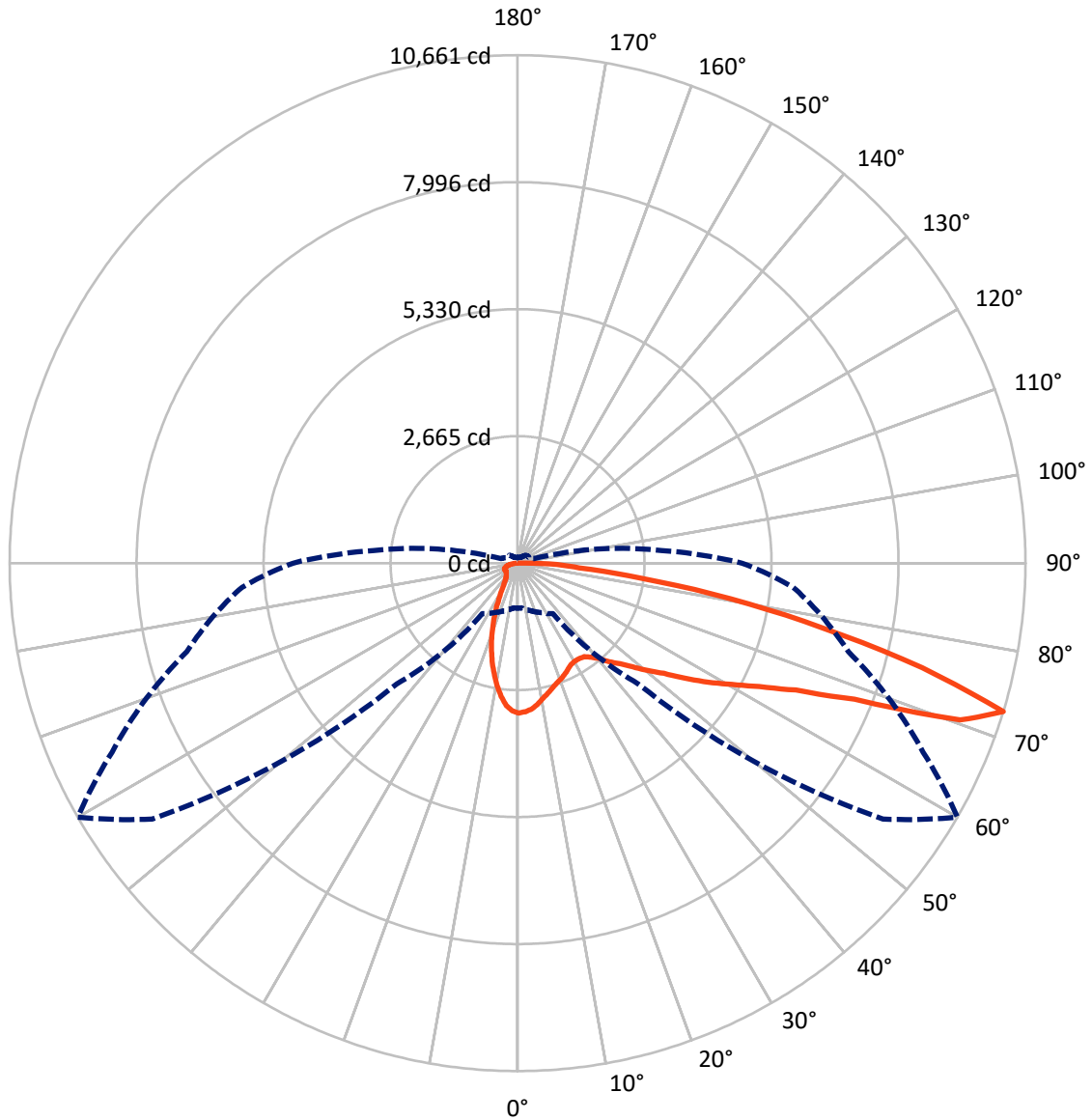
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 14 fc  
 Type III - Medium - N/A

REPORT NUMBER: P671367  
CATALOG NUMBER: CCP-SA-2E-727-U-SL3

### 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	1942.2	0.0	1942.2
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	9363.8	0.0	9363.8
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	11306.0	0.0	11306.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.9	2.4
10°-20°	618.8	5.5
20°-30°	791.9	7.0
30°-40°	1013.1	9.0
40°-50°	1389.4	12.3
50°-60°	2009.7	17.8
60°-70°	2756.9	24.4
70°-80°	2068.8	18.3
80°-90°	384.5	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°	11306.0	100.0
0°-180°	11306.0	100.0



REPORT NUMBER: P671367

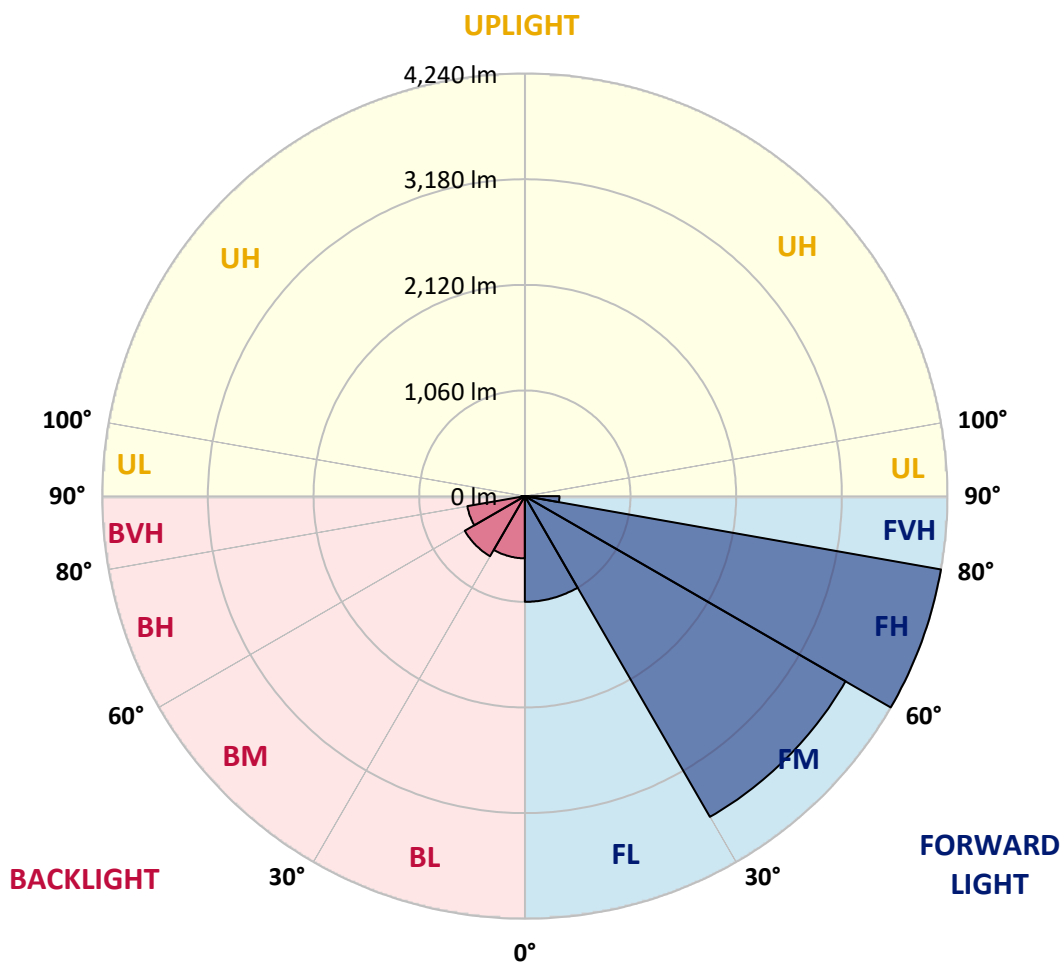
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1060.1	9.4			
FM (30°-60°)	3716.2	32.9			
FH (60°-80°)	4240.5	37.5			G2/5000
FVH (80°-90°)	347.1	3.1			G3/500
BL (0°-30°)	623.5	5.5	B2/1000		
BM (30°-60°)	696.0	6.2	B1/1000		
BH (60°-80°)	585.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	37.5	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





REPORT NUMBER: P671367

CATALOG NUMBER: CCP-SA-2E-727-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2
2.5°	3080.8	3110.3	3118.7	3118.7	3144.0	3114.5	3156.6	3122.9	3131.3	3144.0	3135.5
5°	2933.5	2984.0	2954.6	3009.3	2988.2	3026.1	3076.6	3076.6	3064.0	3089.2	3068.2
7.5°	2790.4	2773.6	2824.1	2824.1	2857.8	2908.3	2950.4	2992.4	2996.7	3005.1	3000.9
10°	2596.8	2617.9	2643.1	2676.8	2718.9	2769.4	2857.8	2891.4	2899.8	2950.4	2937.7
12.5°	2436.9	2466.3	2483.2	2550.5	2588.4	2659.9	2761.0	2807.3	2811.5	2883.0	2883.0
15°	2319.0	2335.9	2373.8	2399.0	2483.2	2584.2	2681.0	2723.1	2769.4	2845.1	2824.1
17.5°	2239.1	2260.1	2276.9	2310.6	2390.6	2474.8	2626.3	2651.5	2706.2	2815.7	2790.4
20°	2192.8	2197.0	2222.2	2243.3	2314.8	2394.8	2529.5	2596.8	2668.4	2765.2	2739.9
22.5°	2201.2	2184.4	2180.1	2209.6	2222.2	2298.0	2462.1	2533.7	2634.7	2748.3	2706.2
25°	2218.0	2222.2	2213.8	2188.6	2192.8	2260.1	2369.5	2462.1	2575.8	2744.1	2659.9
27.5°	2260.1	2281.2	2247.5	2222.2	2197.0	2222.2	2335.9	2403.2	2529.5	2765.2	2655.7
30°	2302.2	2323.2	2314.8	2276.9	2226.4	2218.0	2298.0	2382.2	2504.2	2782.0	2655.7
32.5°	2365.3	2394.8	2365.3	2378.0	2319.0	2281.2	2310.6	2386.4	2529.5	2840.9	2659.9
35°	2436.9	2462.1	2470.6	2441.1	2428.5	2356.9	2373.8	2411.6	2554.7	2908.3	2702.0
37.5°	2516.8	2546.3	2571.6	2575.8	2533.7	2491.6	2483.2	2504.2	2617.9	3026.1	2748.3
40°	2571.6	2588.4	2638.9	2681.0	2693.6	2634.7	2630.5	2630.5	2731.5	3131.3	2832.5
42.5°	2664.2	2655.7	2727.3	2803.0	2824.1	2790.4	2798.8	2832.5	2891.4	3282.8	2967.2
45°	2710.5	2702.0	2786.2	2912.5	3009.3	2992.4	3000.9	3013.5	3068.2	3522.7	3194.5
47.5°	2773.6	2782.0	2904.1	3047.2	3148.2	3207.1	3253.4	3249.2	3291.3	3766.9	3447.0
50°	2836.7	2853.6	3000.9	3152.4	3329.1	3430.2	3497.5	3543.8	3585.9	4023.6	3737.4
52.5°	2958.8	2975.6	3139.7	3303.9	3531.2	3678.5	3846.8	3842.6	3846.8	4280.3	4027.8
55°	3135.5	3139.7	3236.6	3425.9	3733.2	4002.5	4234.0	4259.3	4187.7	4600.2	4360.3
57.5°	3337.6	3354.4	3438.6	3581.7	3893.1	4314.0	4667.5	4718.0	4524.4	4861.1	4663.3
60°	3527.0	3539.6	3670.1	3834.2	4170.9	4705.4	5105.2	5164.2	4953.7	5181.0	4979.0
62.5°	3312.3	3375.4	3606.9	3981.5	4659.1	5298.9	5660.8	5698.7	5370.4	5505.1	5315.7
65°	2651.5	2693.6	3026.1	3632.2	4692.8	6376.3	6519.4	6418.4	5942.8	5921.8	5824.9
67.5°	1477.3	1511.0	1738.2	2373.8	3952.0	6780.3	8367.1	7626.3	6830.8	6548.9	6515.2
70°	1165.8	1174.2	1203.7	1334.2	2192.8	5976.5	9823.3	9857.0	8282.9	7411.7	6662.5
72.5°	947.0	942.8	1031.2	1144.8	1296.3	3585.9	9364.5	10660.8	9394.0	7184.4	5803.9
75°	723.9	736.5	850.2	1014.3	1186.9	1687.7	6986.6	8771.1	8800.6	6696.2	4894.8
77.5°	551.4	555.6	681.8	896.5	1161.6	1191.1	4558.1	6536.2	6565.7	5185.2	2697.8
80°	412.5	412.5	517.7	757.6	1132.2	1098.5	2807.3	4532.9	4103.6	1822.4	589.2
82.5°	235.7	252.5	345.1	576.6	1026.9	1056.4	1582.5	2596.8	1734.0	496.6	273.6
85°	126.3	130.5	210.4	387.2	846.0	1010.1	1207.9	1292.1	690.2	265.2	126.3
87.5°	46.3	46.3	96.8	197.8	534.5	749.2	959.6	824.9	395.6	122.1	63.1
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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 CATALOG NUMBER: CCP-SA-2E-727-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2	3148.2
2.5°	3144.0	3127.1	3114.5	3127.1	3080.8	3059.8	3085.0	3072.4	3047.2	3034.5	3026.1
5°	3080.8	3059.8	3038.7	3026.1	2975.6	2925.1	2899.8	2849.3	2807.3	2819.9	2794.6
7.5°	3013.5	2992.4	2929.3	2870.4	2769.4	2668.4	2622.1	2550.5	2525.3	2504.2	2491.6
10°	2929.3	2891.4	2794.6	2676.8	2529.5	2415.8	2298.0	2213.8	2125.4	2087.6	2100.2
12.5°	2824.1	2803.0	2651.5	2470.6	2264.3	2074.9	1936.0	1801.4	1683.5	1620.4	1603.5
15°	2777.8	2714.7	2495.8	2255.9	1995.0	1759.3	1553.0	1317.3	1178.5	1111.1	1111.1
17.5°	2727.3	2609.4	2348.5	2020.2	1721.4	1418.4	1128.0	913.3	803.9	766.0	766.0
20°	2647.3	2516.8	2175.9	1797.1	1435.2	1069.0	808.1	690.2	656.6	631.3	635.5
22.5°	2588.4	2428.5	2016.0	1578.3	1136.4	795.5	635.5	597.6	585.0	576.6	580.8
25°	2521.1	2323.2	1847.7	1342.6	892.3	627.1	551.4	534.5	542.9	547.1	547.1
27.5°	2466.3	2234.9	1675.1	1090.1	673.4	530.3	496.6	492.4	509.3	517.7	521.9
30°	2428.5	2154.9	1506.7	858.6	538.7	471.4	454.5	454.5	475.6	484.0	488.2
32.5°	2390.6	2087.6	1325.8	656.6	458.8	420.9	416.7	420.9	433.5	433.5	437.7
35°	2403.2	2024.4	1153.2	530.3	412.5	387.2	387.2	387.2	391.4	395.6	395.6
37.5°	2428.5	2007.6	968.0	446.1	378.8	362.0	362.0	357.7	362.0	357.7	362.0
40°	2453.7	1982.3	799.7	395.6	357.7	345.1	340.9	332.5	328.3	328.3	332.5
42.5°	2558.9	2016.0	656.6	362.0	340.9	332.5	319.9	311.4	307.2	307.2	307.2
45°	2693.6	2079.1	542.9	345.1	328.3	307.2	298.8	294.6	286.2	290.4	294.6
47.5°	2895.6	2175.9	475.6	332.5	315.7	290.4	282.0	273.6	273.6	282.0	282.0
50°	3160.8	2335.9	433.5	319.9	303.0	277.8	265.2	260.9	260.9	273.6	273.6
52.5°	3447.0	2521.1	416.7	315.7	290.4	265.2	252.5	248.3	248.3	265.2	265.2
55°	3733.2	2748.3	429.3	315.7	282.0	252.5	239.9	231.5	235.7	248.3	248.3
57.5°	4048.8	2992.4	492.4	315.7	273.6	248.3	231.5	218.9	223.1	227.3	227.3
60°	4394.0	3312.3	601.9	315.7	269.4	239.9	218.9	202.0	202.0	206.2	206.2
62.5°	4743.3	3628.0	757.6	319.9	273.6	235.7	202.0	185.2	181.0	185.2	185.2
65°	5202.1	4133.0	913.3	319.9	286.2	227.3	189.4	168.4	164.1	164.1	168.4
67.5°	5846.0	4495.0	707.1	307.2	294.6	227.3	176.8	155.7	147.3	147.3	147.3
70°	5505.1	3792.1	450.3	286.2	282.0	235.7	168.4	143.1	134.7	130.5	130.5
72.5°	4713.8	3034.5	362.0	269.4	260.9	231.5	159.9	134.7	122.1	117.8	117.8
75°	3779.5	2394.8	315.7	244.1	227.3	193.6	147.3	122.1	113.6	105.2	105.2
77.5°	1851.9	1001.7	239.9	214.6	193.6	147.3	130.5	113.6	101.0	92.6	92.6
80°	463.0	349.3	176.8	168.4	143.1	113.6	105.2	96.8	88.4	80.0	80.0
82.5°	248.3	206.2	126.3	113.6	96.8	80.0	80.0	75.8	71.5	63.1	58.9
85°	126.3	122.1	84.2	75.8	63.1	50.5	54.7	54.7	50.5	37.9	37.9
87.5°	67.3	67.3	42.1	33.7	29.5	25.3	25.3	25.3	21.0	16.8	16.8
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)