

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: STREETWORKS

Report Number: P482705

Luminaire Tested: **IFLD-L-SA7A-722-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482705  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-722-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R  
distribution lens with House Side Shield  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

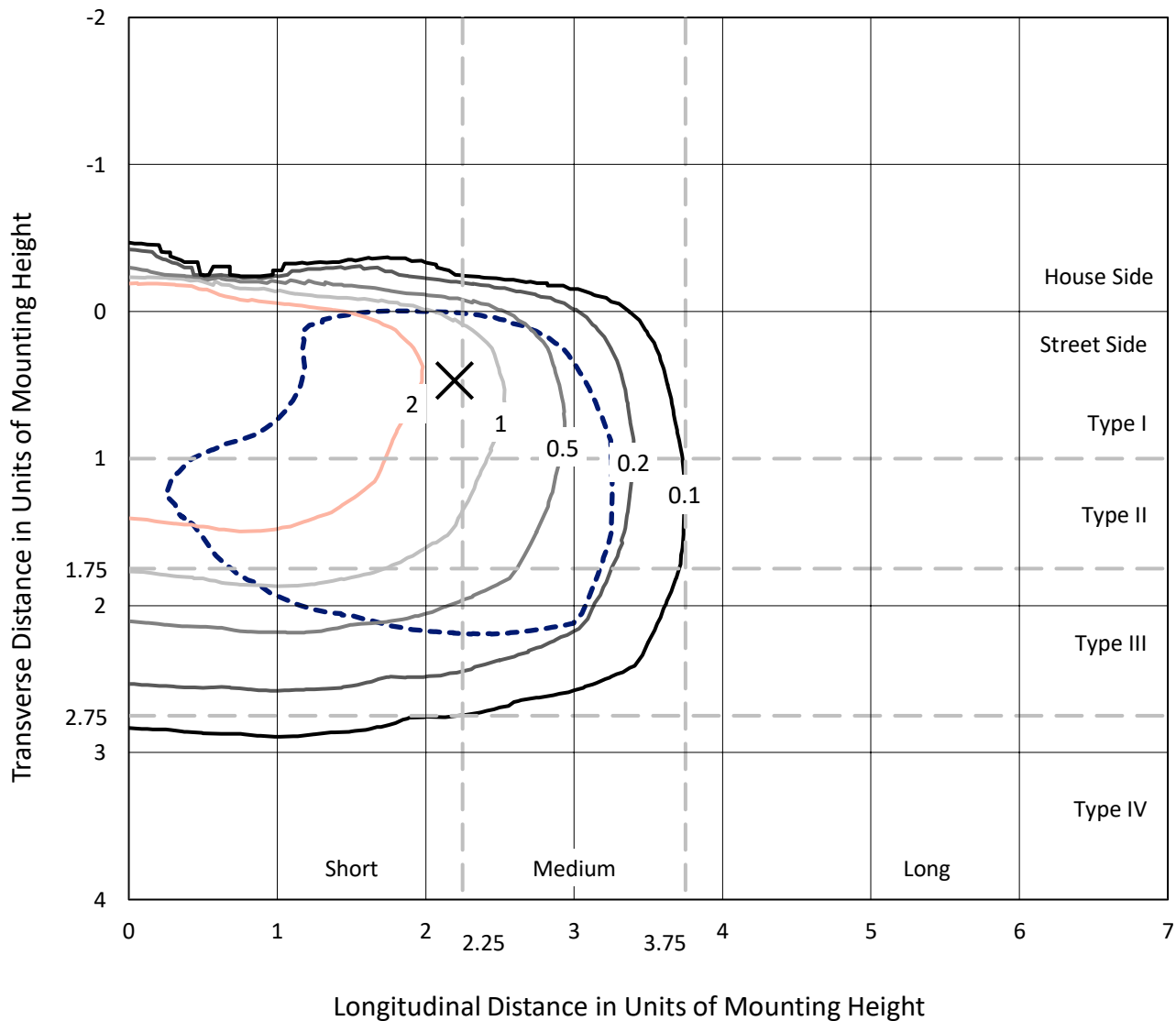
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16527 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 217.6  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

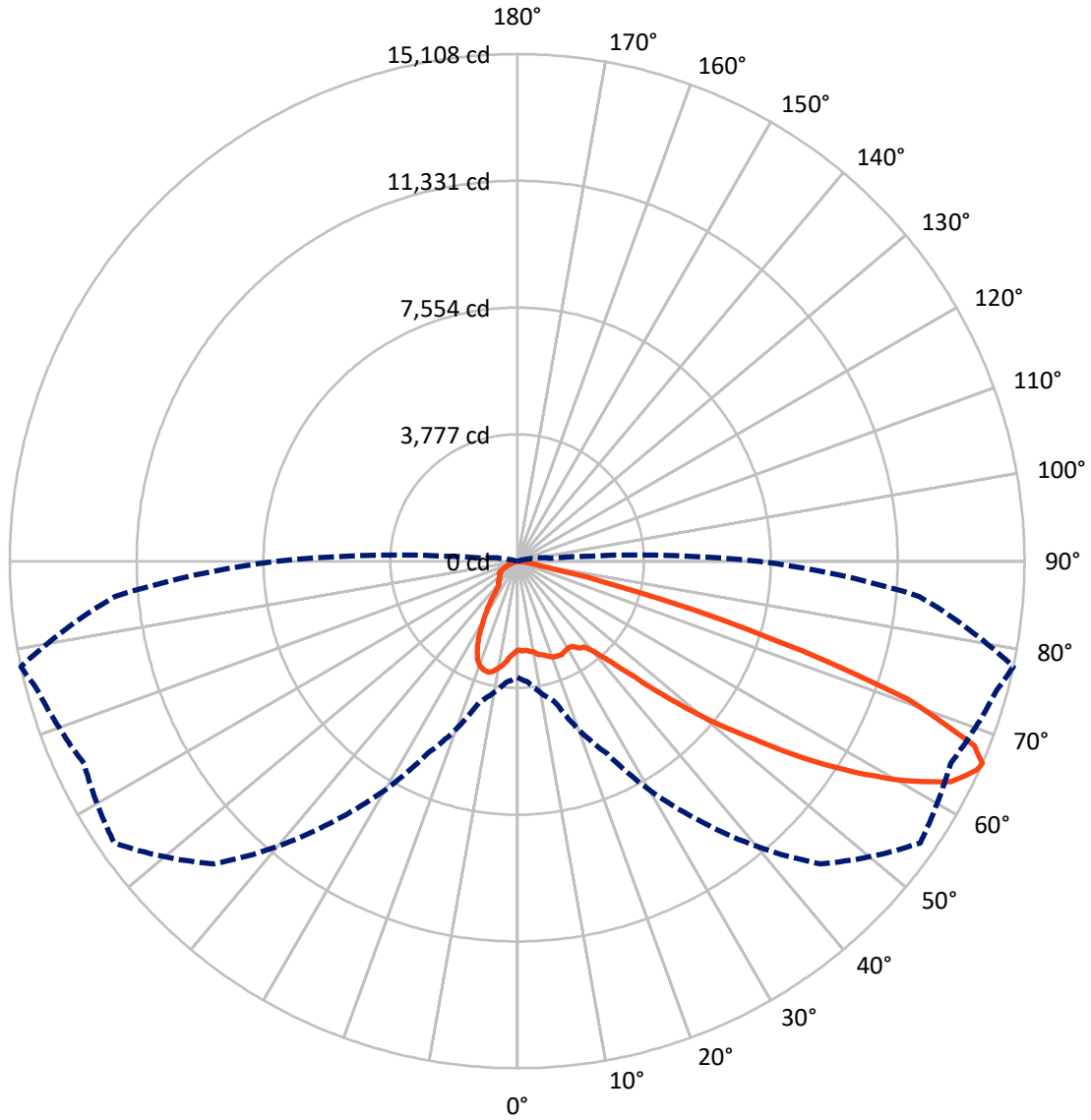
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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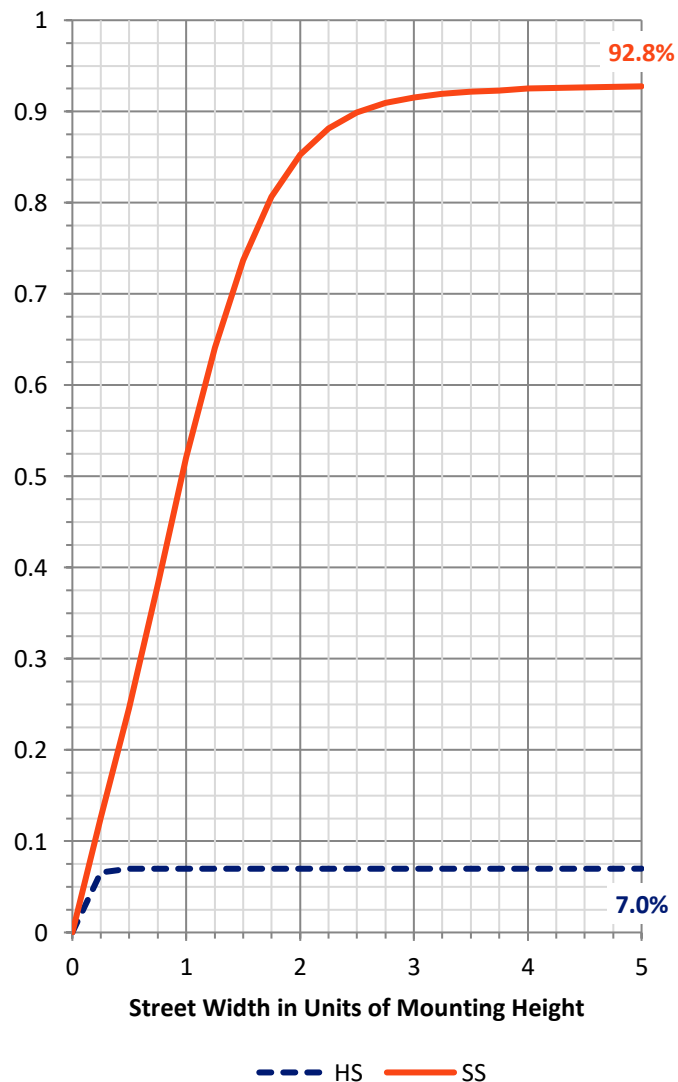
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1161.9	0.0	1161.9
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	15365.0	0.0	15365.0
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	16527.0	0.0	16527.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.2	1.5
10°-20°	546.7	3.3
20°-30°	781.4	4.7
30°-40°	1337.5	8.1
40°-50°	2414.0	14.6
50°-60°	4128.2	25.0
60°-70°	5081.1	30.7
70°-80°	1920.9	11.6
80°-90°	75.0	0.5
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°	16527.0	100.0
0°-180°	16527.0	100.0

**Coefficient of Utilization**

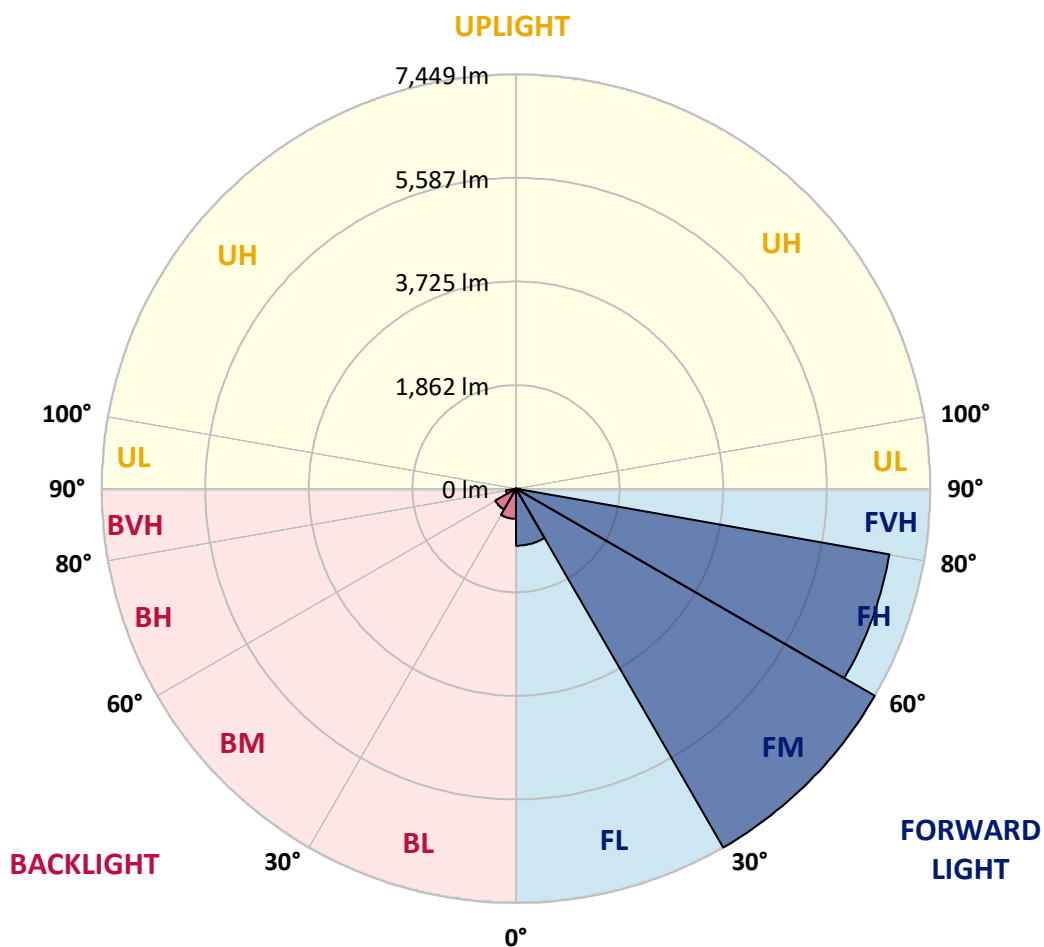


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1026.0	6.2			
FM (30°-60°)	7449.0	45.1			
FH (60°-80°)	6818.0	41.3			G3/7500
FVH (80°-90°)	72.0	0.4			G1/100
BL (0°-30°)	544.2	3.3	B2/1000		
BM (30°-60°)	430.6	2.6	B1/1000		
BH (60°-80°)	184.1	1.1	B1/500		G1/500
BVH (80°-90°)	3.0	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1
2.5°	2434.8	2412.3	2434.8	2467.3	2484.8	2499.7	2552.2	2597.1	2644.6	2677.0	2667.1
5°	2257.5	2300.0	2305.0	2314.9	2342.4	2432.3	2462.3	2539.7	2657.1	2667.1	2712.0
7.5°	2117.7	2105.2	2137.6	2202.6	2272.5	2324.9	2412.3	2547.2	2669.6	2712.0	2799.4
10°	1915.4	1940.4	1975.3	2040.3	2125.2	2255.0	2409.8	2559.7	2734.5	2749.5	2911.8
12.5°	1805.5	1780.5	1835.5	1902.9	2047.7	2167.6	2357.4	2537.2	2774.4	2856.9	3044.1
15°	1715.6	1728.1	1780.5	1825.5	1945.4	2097.7	2319.9	2592.1	2841.9	2899.3	3184.0
17.5°	1678.2	1670.7	1710.6	1755.6	1902.9	2075.2	2305.0	2594.6	2901.8	2976.7	3278.9
20°	1695.6	1710.6	1698.1	1740.6	1833.0	2007.8	2327.4	2642.1	2946.8	3049.1	3381.3
22.5°	1970.3	1950.4	1850.5	1770.5	1775.5	1980.3	2310.0	2672.1	2986.7	3069.1	3451.2
25°	2687.0	2579.7	2332.4	2025.3	1823.0	1905.4	2290.0	2662.1	2979.2	3081.6	3493.6
27.5°	3408.7	3316.3	3074.1	2597.1	2015.3	1875.4	2220.1	2669.6	2941.8	3036.7	3423.7
30°	4170.4	4220.3	3860.7	3293.9	2519.7	2040.3	2175.1	2629.6	2916.8	2996.7	3438.7
32.5°	4952.0	4932.1	4714.8	4100.5	3241.4	2404.8	2247.5	2669.6	2949.2	3026.7	3526.1
35°	5563.9	5493.9	5274.2	4719.8	3838.3	2954.2	2497.2	2859.3	3091.6	3184.0	3651.0
37.5°	5866.0	5896.0	5768.6	5286.7	4492.5	3463.7	2809.4	2859.3	3136.5	3243.9	3853.3
40°	6100.8	6190.7	6143.2	5988.4	5141.8	4038.0	3154.0	3036.7	3363.8	3566.1	4232.8
42.5°	6383.0	6340.5	6620.2	6477.9	5990.9	4762.3	3758.4	3458.7	3900.7	4095.5	4802.2
45°	6532.8	6695.1	6907.4	7089.7	6777.5	5666.3	4547.5	4205.4	4722.3	4969.5	5648.8
47.5°	6917.4	6982.3	7326.9	7556.7	7416.8	6700.1	5746.2	5296.7	5756.2	6145.7	6617.7
50°	7142.1	7054.7	7536.7	7886.3	7966.2	7556.7	6820.0	6470.4	6984.8	7481.8	7524.2
52.5°	6944.8	7194.6	7676.5	8303.3	8525.6	8320.8	8081.1	7928.8	8290.9	8750.4	8545.6
55°	6253.1	6422.9	7596.6	8760.3	9477.1	9382.2	9604.4	9504.5	9869.1	10356.1	9739.3
57.5°	5696.2	5908.5	6939.9	8997.6	10363.6	10643.3	10923.0	10860.5	11300.0	11861.9	10750.7
60°	5349.1	5471.5	6465.4	8937.6	10888.0	11946.8	12578.6	12139.1	12855.8	13285.4	11542.3
62.5°	4747.3	4824.7	5773.6	8143.5	11045.3	12868.3	13939.6	13342.8	13964.6	14489.0	12111.7
65°	3805.8	4015.6	4799.7	6954.8	10006.5	13038.1	14788.7	14087.0	14688.8	15033.4	12284.0
66°	3463.7	3616.0	4335.2	6325.5	9414.6	12755.9	14646.4	14241.8	14793.7	15108.3	12019.3
67.5°	2874.3	3006.7	3578.6	5429.0	8203.5	12134.1	14746.2	14136.9	14873.6	14681.3	11664.6
70°	1902.9	1987.8	2447.3	3671.0	5713.7	9926.6	13677.4	13317.8	13075.6	12353.9	9119.9
72.5°	889.0	1011.4	1528.3	2225.0	3351.3	6944.8	11152.7	10670.7	9169.9	8016.2	5753.7
75°	402.1	457.0	839.1	1276.1	1503.3	3598.5	7194.6	6497.8	4565.0	3790.8	2519.7
77.5°	217.3	247.2	409.5	606.8	546.9	1261.1	3561.1	2961.7	1438.4	1053.8	731.7
80°	167.3	197.3	342.1	347.1	202.3	327.1	1323.5	916.5	359.6	272.2	174.8
82.5°	87.4	124.9	269.7	224.8	102.4	132.4	409.5	254.7	112.4	89.9	74.9
85°	35.0	54.9	152.3	149.8	59.9	45.0	114.9	77.4	45.0	37.5	35.0
87.5°	2.5	2.5	82.4	57.4	37.5	12.5	17.5	17.5	22.5	20.0	25.0
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°	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1	2647.1
2.5°	2712.0	2742.0	2747.0	2829.4	2846.9	2829.4	2874.3	2866.8	2886.8	2871.8	2844.4
5°	2774.4	2816.9	2899.3	2961.7	2961.7	2911.8	2871.8	2819.4	2742.0	2722.0	2707.0
7.5°	2881.8	3016.7	3091.6	3051.6	2971.7	2784.4	2524.7	2334.9	2175.1	2115.2	2087.7
10°	3071.6	3146.5	3233.9	3071.6	2739.5	2342.4	1905.4	1618.2	1393.5	1343.5	1306.1
12.5°	3194.0	3313.8	3363.8	2961.7	2310.0	1718.1	1243.6	919.0	761.7	641.8	621.8
15°	3353.8	3491.2	3388.8	2664.6	1820.5	1126.3	644.3	402.1	327.1	307.2	307.2
17.5°	3463.7	3613.5	3286.4	2295.0	1291.1	599.3	319.6	277.2	272.2	274.7	269.7
20°	3656.0	3745.9	3131.5	1865.4	771.6	307.2	257.2	247.2	242.2	249.7	244.7
22.5°	3728.4	3810.8	2879.3	1351.0	347.1	204.8	192.3	184.8	189.8	187.3	184.8
25°	3723.4	3765.8	2464.8	774.1	102.4	79.9	72.4	72.4	67.4	69.9	67.4
27.5°	3760.9	3656.0	2000.3	229.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	3780.8	3478.7	1423.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3790.8	3386.3	916.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	3868.2	3201.5	392.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	3920.7	2964.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4137.9	2889.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4420.1	2749.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4812.2	2542.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5331.6	2419.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	5718.7	2227.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6210.7	2112.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6795.0	2117.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	7326.9	2082.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	7599.1	1780.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	7541.7	1440.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	7341.9	1131.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	7204.6	1001.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	6787.5	801.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5401.5	549.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3436.2	337.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1583.3	154.8	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	497.0	94.9	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	129.9	59.9	20.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	67.4	42.5	17.5	7.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	42.5	17.5	7.5	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	37.5	10.0	5.0	5.0	2.5	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)