

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: P484241

Luminaire Tested: **IFLD-S-SA3B-722-U-SL3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P484241  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-722-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

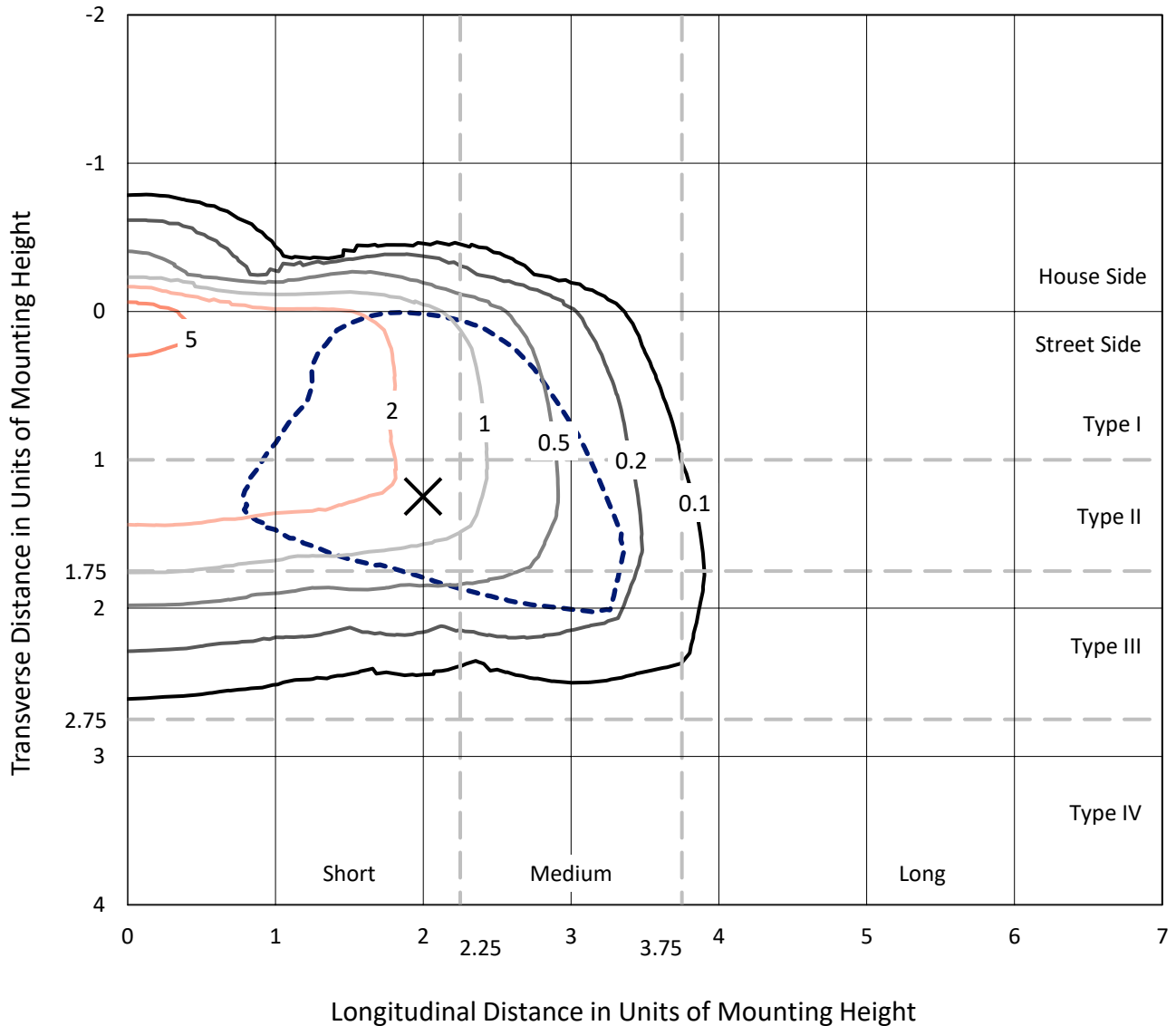
Lumens per Lamp: N/A  
Luminaire Lumens: 10482 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4  
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

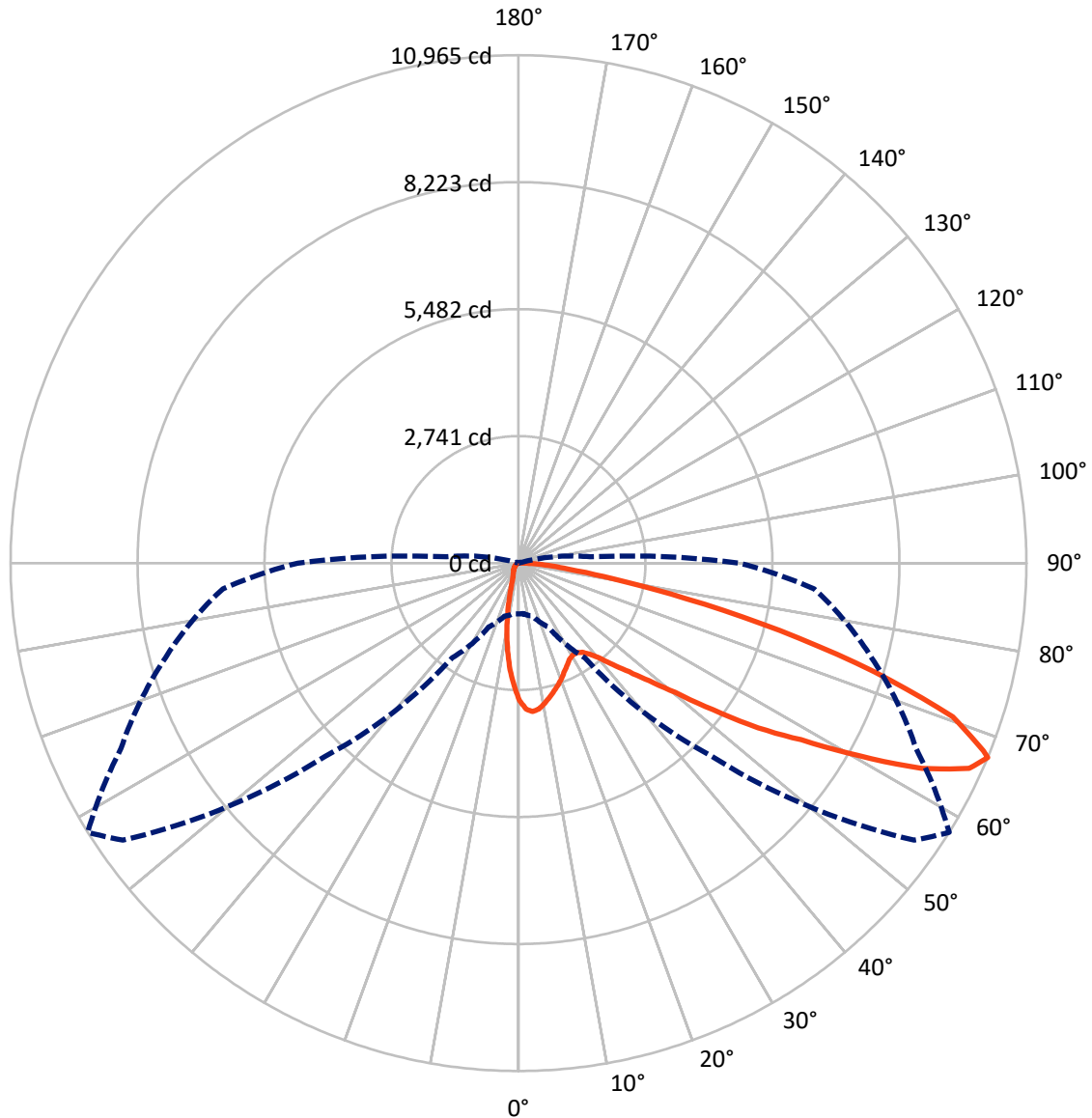
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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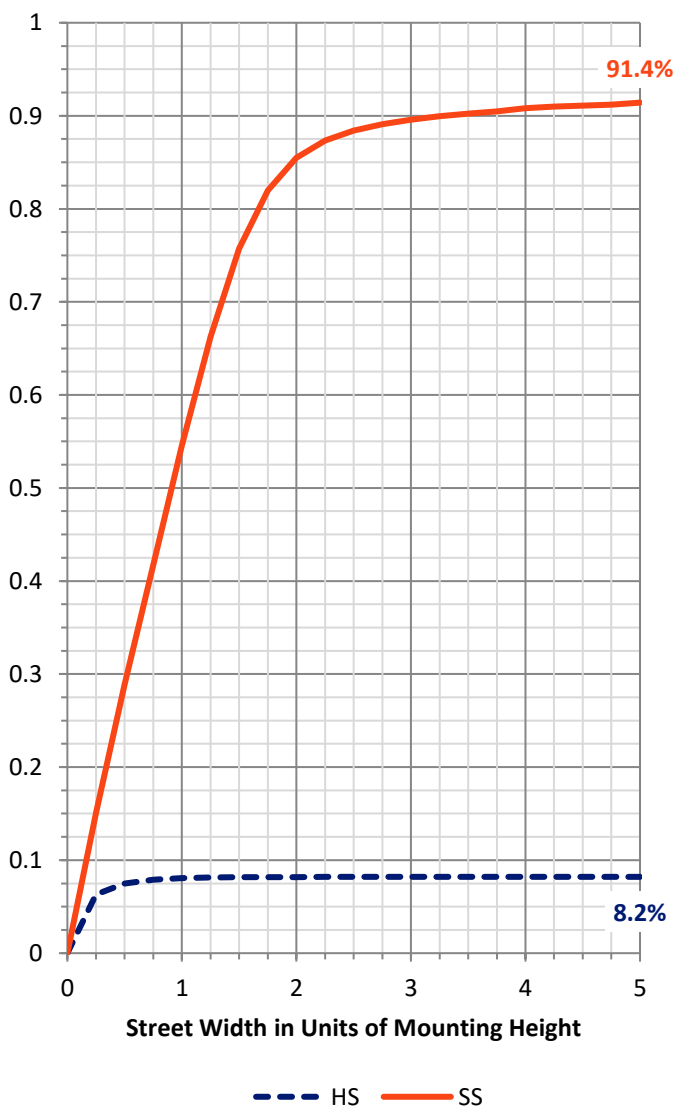
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	866.4	0.0	866.4
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	9615.6	0.0	9615.6
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	10482.0	0.0	10482.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.6	2.2
10°-20°	488.7	4.7
20°-30°	648.5	6.2
30°-40°	898.6	8.6
40°-50°	1466.2	14.0
50°-60°	2577.1	24.6
60°-70°	2854.3	27.2
70°-80°	1182.8	11.3
80°-90°	130.2	1.2
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°	10482.0	100.0
0°-180°	10482.0	100.0

**Coefficient of Utilization**

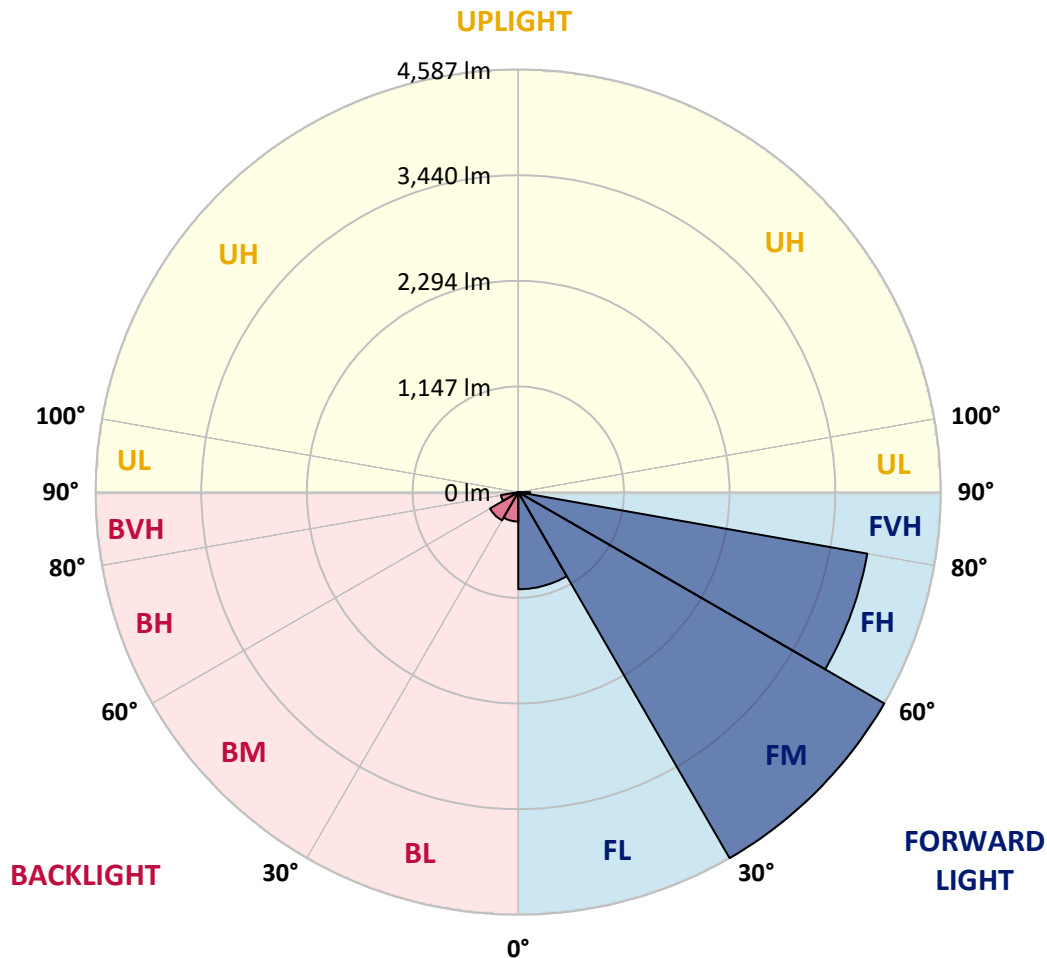


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.7	10.1			
FM (30°-60°)	4587.1	43.8			
FH (60°-80°)	3846.7	36.7			G2/5000
FVH (80°-90°)	128.1	1.2			G2/225
BL (0°-30°)	319.1	3.0	B1/500		
BM (30°-60°)	354.7	3.4	B1/1000		
BH (60°-80°)	190.5	1.8	B1/500		G1/500
BVH (80°-90°)	2.1	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7
2.5°	3231.3	3242.5	3252.2	3234.1	3249.4	3227.2	3170.1	3157.6	3147.8	3062.9	3014.2
5°	3229.9	3217.4	3227.2	3235.5	3214.6	3231.3	3217.4	3218.8	3181.2	3104.7	2968.3
7.5°	3014.2	3008.7	3014.2	3054.6	3100.5	3136.7	3157.6	3178.4	3153.4	3039.3	2907.1
10°	2723.4	2751.2	2766.5	2838.9	2909.9	2976.7	3042.1	3081.0	3074.1	3028.1	2840.3
12.5°	2520.2	2511.9	2567.5	2614.8	2685.8	2820.8	2934.9	2971.1	3012.8	2948.8	2752.6
15°	2332.3	2310.1	2343.5	2425.6	2546.7	2653.8	2813.8	2868.1	2921.0	2937.7	2705.3
17.5°	2152.8	2164.0	2198.7	2272.5	2386.6	2536.9	2687.2	2765.1	2891.8	2869.5	2634.3
20°	2066.5	2090.2	2102.7	2140.3	2219.6	2369.9	2594.0	2656.6	2791.6	2868.1	2564.7
22.5°	2070.7	2070.7	2041.5	2063.8	2136.1	2253.0	2467.3	2536.9	2751.2	2795.8	2502.1
25°	2115.3	2087.4	2088.8	2062.4	2093.0	2157.0	2353.2	2438.1	2669.1	2802.7	2468.7
27.5°	2148.7	2143.1	2134.7	2127.8	2088.8	2098.6	2278.1	2347.7	2637.1	2794.4	2417.2
30°	2269.7	2244.7	2236.3	2221.0	2169.5	2122.2	2218.2	2305.9	2612.1	2813.8	2388.0
32.5°	2371.3	2375.5	2382.4	2337.9	2293.4	2176.5	2234.9	2304.5	2594.0	2858.4	2417.2
35°	2499.3	2517.4	2520.2	2506.3	2459.0	2343.5	2304.5	2364.4	2624.6	2937.7	2420.0
37.5°	2694.2	2674.7	2727.6	2733.1	2699.7	2546.7	2465.9	2489.6	2715.0	3064.3	2525.8
40°	2820.8	2844.5	2943.3	3004.5	2947.4	2808.3	2699.7	2695.6	2845.8	3263.3	2656.6
42.5°	2961.4	3014.2	3122.8	3255.0	3248.0	3118.6	3008.7	2990.6	3078.2	3551.4	2863.9
45°	3153.4	3200.7	3352.4	3551.4	3659.9	3550.0	3384.4	3348.2	3360.7	3943.8	3217.4
47.5°	3472.1	3459.5	3678.0	3874.3	4052.4	3967.5	3896.5	3790.8	3781.0	4405.8	3705.9
50°	3832.5	3829.7	4024.5	4247.2	4453.2	4618.8	4500.5	4385.0	4387.8	5033.5	4280.6
52.5°	4174.8	4229.1	4439.2	4660.5	5014.0	5192.1	5306.2	5260.3	5039.0	5594.3	4895.7
55°	4355.7	4403.1	4611.8	4993.1	5551.1	6009.0	6317.9	6279.0	5851.7	6226.1	5502.4
57.5°	4184.6	4216.6	4499.1	4998.7	5926.9	6948.3	7244.7	7196.0	6692.3	6709.0	6235.8
60°	3467.9	3518.0	3938.3	4524.1	5780.8	7672.0	8520.8	8447.1	7457.7	7319.9	6707.6
62.5°	2401.9	2435.3	2780.4	3509.6	5087.7	7923.8	9726.0	9766.3	8264.8	7795.8	6848.1
65°	1555.8	1553.0	1750.6	2244.7	3605.7	7161.2	10438.5	10689.0	9044.1	7868.2	6805.0
67°	1099.4	1095.2	1188.4	1522.4	2496.6	5900.4	10426.0	10964.5	9467.1	7889.1	6405.6
67.5°	1014.5	1010.3	1099.4	1400.0	2253.0	5487.1	10270.1	10822.6	9616.0	7859.8	6230.3
70°	787.7	776.5	809.9	964.4	1312.3	3548.6	8789.4	9941.7	9307.1	7130.6	4975.0
72.5°	569.2	581.7	634.6	791.8	1029.8	1909.3	6699.2	8039.3	7773.5	5374.4	3161.7
75°	396.6	407.7	492.6	645.7	944.9	1157.8	4529.7	5830.9	5414.8	2966.9	1347.1
77.5°	207.4	221.3	314.5	516.3	858.6	896.2	2706.7	3697.5	2869.5	1056.2	371.6
80°	96.0	103.0	157.3	366.0	718.1	787.7	1578.1	2056.8	1148.1	236.6	128.0
82.5°	41.7	45.9	72.4	210.1	509.3	688.8	976.9	1078.5	416.1	76.5	79.3
85°	8.3	9.7	27.8	111.3	246.3	417.5	686.1	640.1	208.7	37.6	62.6
87.5°	0.0	0.0	7.0	32.0	66.8	123.9	290.8	290.8	64.0	19.5	23.7
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°	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7	2969.7
2.5°	2971.1	2921.0	2811.1	2709.5	2637.1	2555.0	2446.5	2397.7	2379.7	2354.6	2317.0
5°	2893.2	2831.9	2644.1	2454.8	2247.5	2090.2	1923.2	1825.8	1752.0	1706.1	1690.8
7.5°	2783.2	2658.0	2404.7	2101.3	1832.8	1599.0	1345.7	1174.5	1064.6	1020.1	978.3
10°	2695.6	2532.7	2147.3	1770.1	1412.5	1070.2	784.9	634.6	520.5	477.3	471.8
12.5°	2581.4	2386.6	1906.5	1432.0	982.5	637.4	434.2	377.1	345.1	339.6	335.4
15°	2486.8	2254.4	1678.3	1109.1	636.0	398.0	338.2	324.2	315.9	313.1	314.5
17.5°	2422.8	2112.5	1444.5	807.1	418.9	325.6	311.7	303.4	299.2	297.8	293.6
20°	2296.2	1992.8	1213.5	565.0	327.0	300.6	289.5	282.5	278.3	276.9	275.5
22.5°	2223.8	1841.1	982.5	393.8	290.8	272.8	264.4	258.8	251.9	247.7	246.3
25°	2151.4	1729.8	776.5	306.2	264.4	251.9	239.4	232.4	221.3	215.7	214.3
27.5°	2066.5	1619.8	598.4	265.8	238.0	225.4	212.9	201.8	187.9	182.3	179.5
30°	2017.8	1512.7	450.9	238.0	218.5	201.8	186.5	172.6	157.3	147.5	144.7
32.5°	1992.8	1415.3	338.2	217.1	197.6	179.5	160.0	143.3	129.4	121.1	119.7
35°	1962.2	1320.6	265.8	197.6	178.1	158.6	139.2	122.5	108.5	101.6	98.8
37.5°	1994.2	1265.0	221.3	182.3	162.8	140.6	119.7	103.0	91.8	84.9	83.5
40°	2081.9	1219.1	192.0	168.4	147.5	123.9	104.4	87.7	77.9	72.4	69.6
42.5°	2216.8	1219.1	174.0	154.5	133.6	108.5	89.1	76.5	66.8	61.2	59.8
45°	2461.8	1256.6	158.6	140.6	116.9	93.2	76.5	64.0	54.3	48.7	47.3
47.5°	2805.5	1342.9	146.1	128.0	104.4	82.1	66.8	54.3	44.5	39.0	37.6
50°	3267.5	1539.1	133.6	112.7	93.2	71.0	55.7	43.1	34.8	29.2	27.8
52.5°	3843.6	1817.4	121.1	104.4	79.3	59.8	44.5	34.8	26.4	22.3	20.9
55°	4453.2	2158.4	105.8	93.2	68.2	50.1	36.2	26.4	19.5	16.7	15.3
57.5°	5066.9	2421.4	93.2	80.7	55.7	40.4	29.2	20.9	13.9	11.1	9.7
60°	5392.5	2446.5	80.7	66.8	44.5	32.0	22.3	15.3	9.7	7.0	5.6
62.5°	5442.6	2223.8	69.6	54.3	36.2	25.0	15.3	11.1	5.6	2.8	2.8
65°	5185.1	1853.6	59.8	43.1	27.8	18.1	11.1	7.0	2.8	1.4	0.0
67°	4767.7	1553.0	51.5	36.2	22.3	13.9	8.3	4.2	1.4	0.0	0.0
67.5°	4606.2	1469.5	48.7	33.4	20.9	12.5	7.0	4.2	1.4	0.0	0.0
70°	3575.1	1049.3	36.2	23.7	15.3	9.7	5.6	2.8	0.0	0.0	0.0
72.5°	2190.4	613.7	27.8	16.7	11.1	7.0	4.2	1.4	0.0	0.0	0.0
75°	918.5	211.5	23.7	12.5	8.3	4.2	2.8	1.4	0.0	0.0	0.0
77.5°	239.4	79.3	16.7	8.3	5.6	4.2	2.8	1.4	0.0	0.0	0.0
80°	97.4	36.2	11.1	5.6	5.6	4.2	2.8	1.4	0.0	0.0	0.0
82.5°	64.0	16.7	7.0	5.6	4.2	2.8	1.4	0.0	0.0	0.0	0.0
85°	48.7	9.7	4.2	4.2	2.8	1.4	0.0	0.0	0.0	0.0	0.0
87.5°	20.9	5.6	4.2	2.8	2.8	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)