

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: P484392

Luminaire Tested: **IFLD-S-SA2B-740-U-SL3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P484392  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-740-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3  
distribution lens with House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

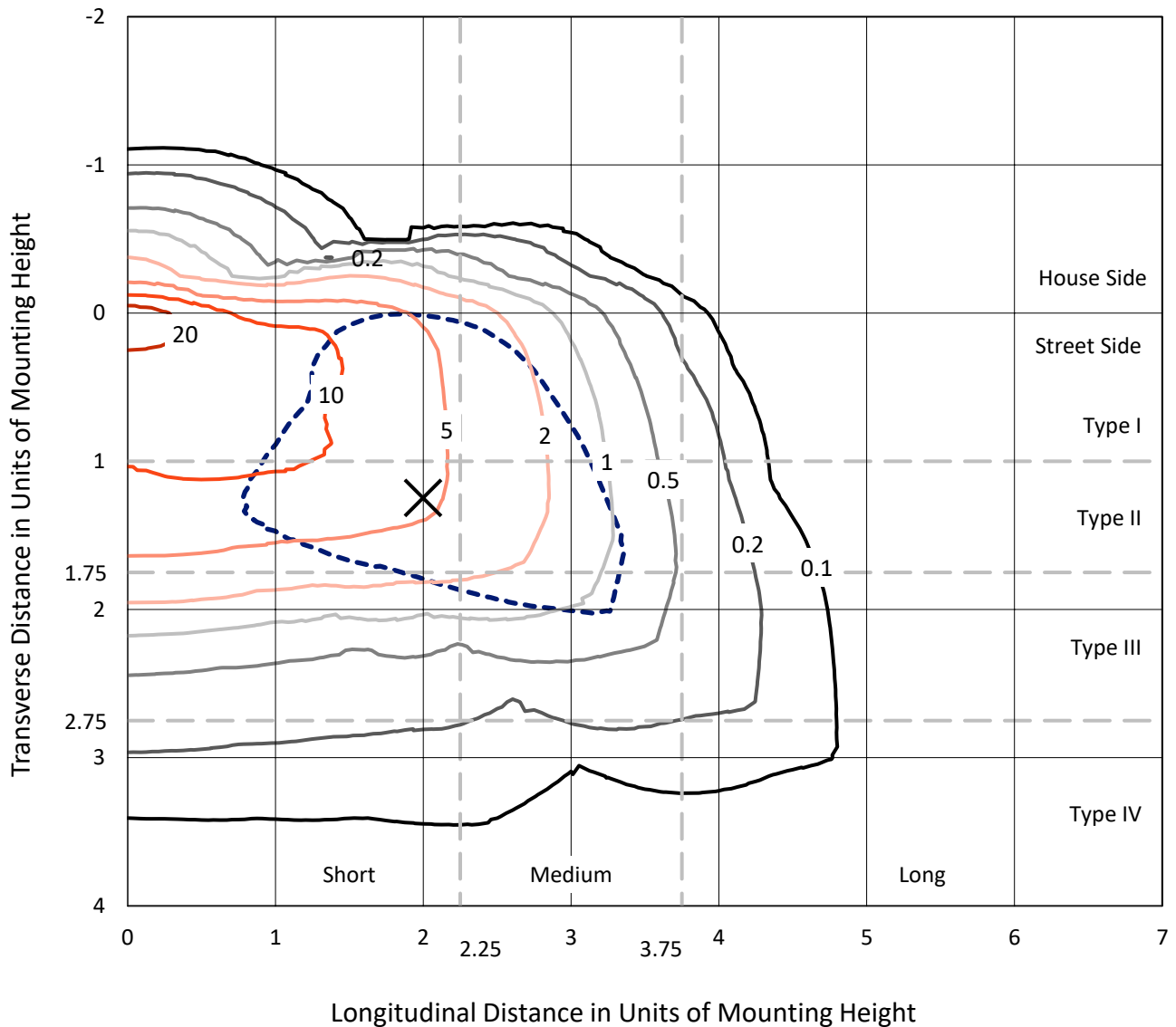
Lumens per Lamp: N/A  
Luminaire Lumens: 9548.6 lumens  
Efficiency: N/A  
Efficacy: 115.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

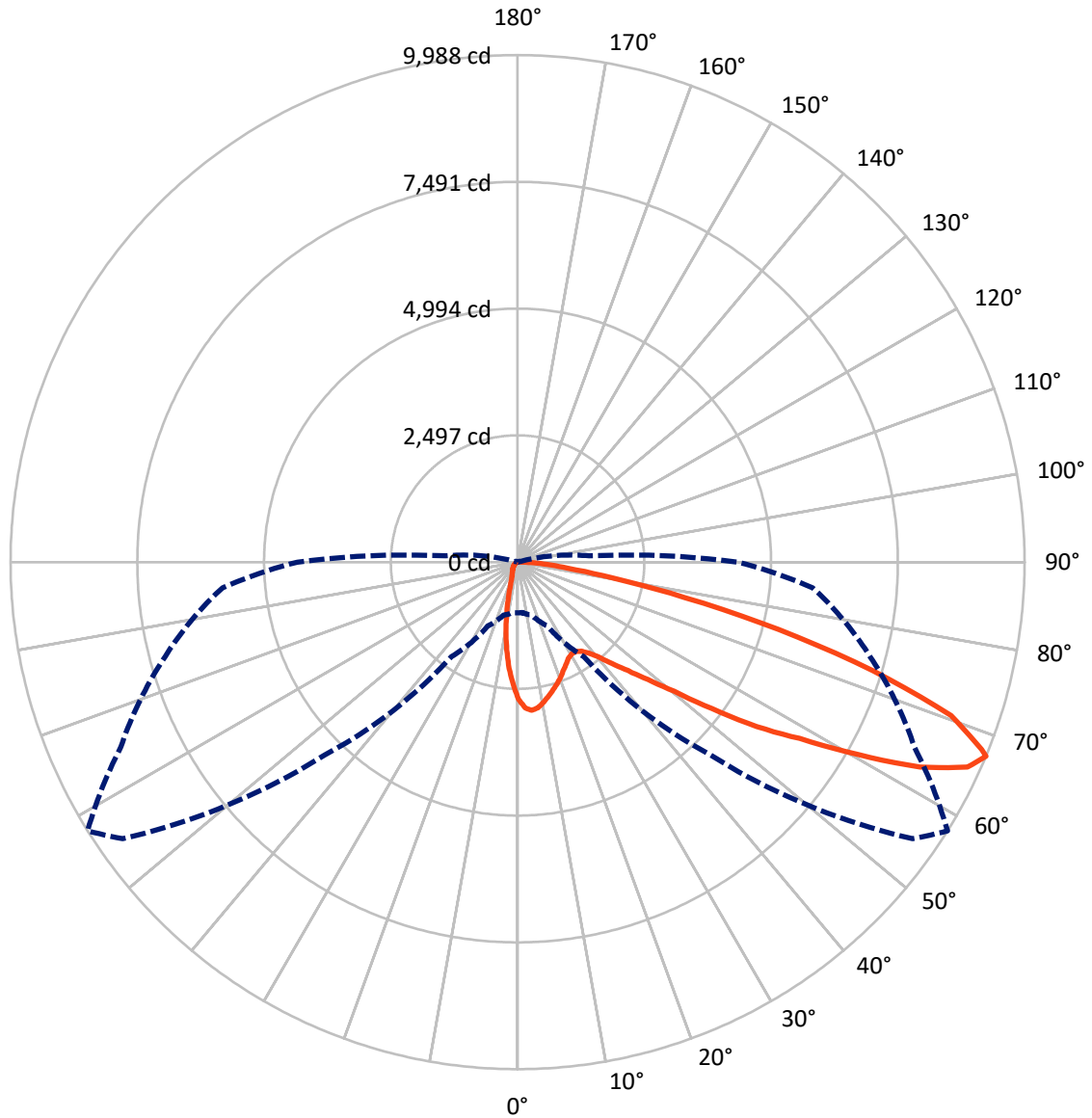
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.1 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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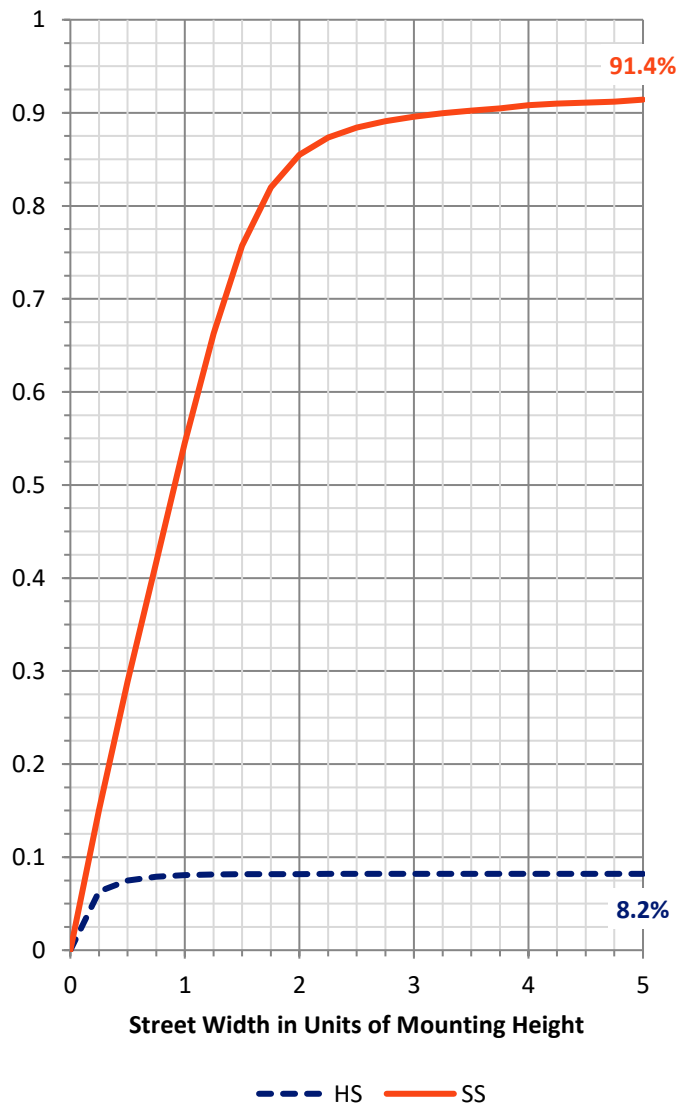
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	789.3	0.0	789.3
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	8759.4	0.0	8759.4
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	9548.6	0.0	9548.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.7	2.2
10°-20°	445.2	4.7
20°-30°	590.7	6.2
30°-40°	818.5	8.6
40°-50°	1335.6	14.0
50°-60°	2347.6	24.6
60°-70°	2600.2	27.2
70°-80°	1077.5	11.3
80°-90°	118.6	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°	9548.6	100.0
0°-180°	9548.6	100.0

**Coefficient of Utilization**



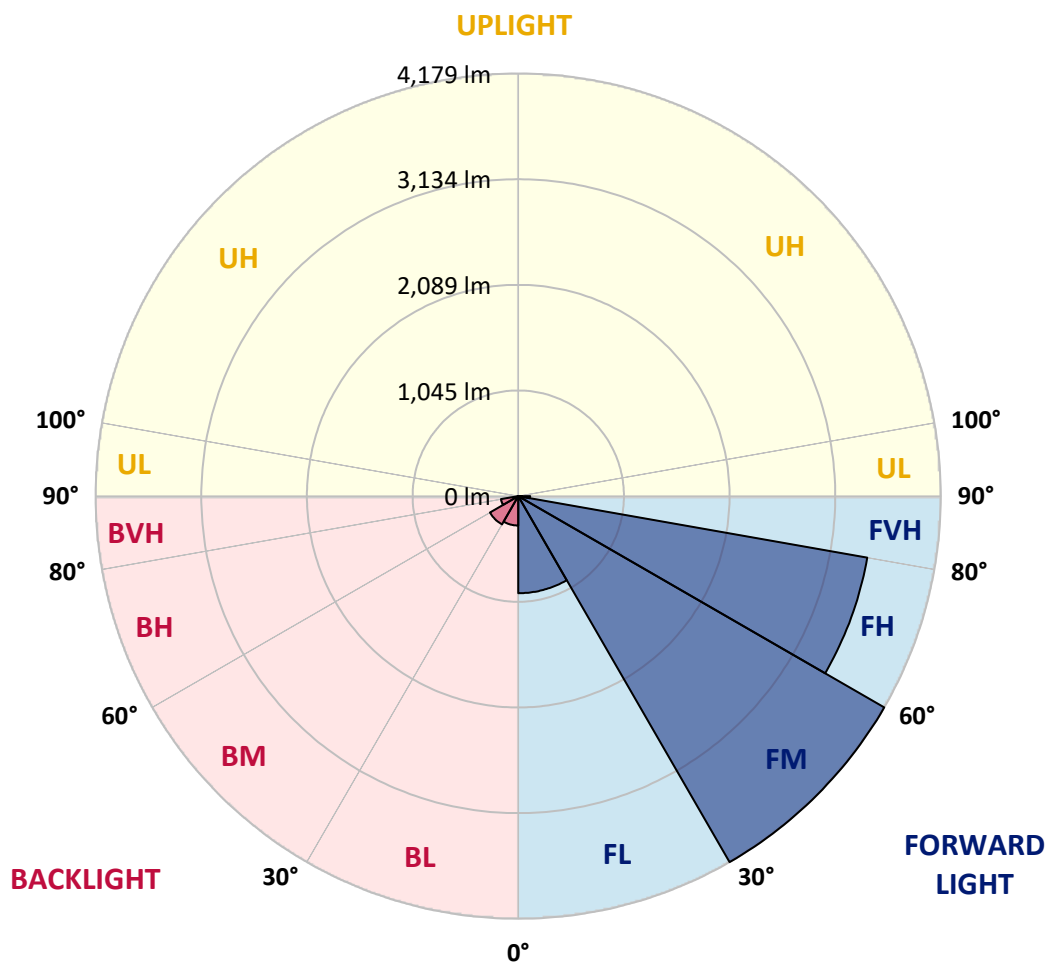
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	959.9	10.1			
FM (30°-60°)	4178.7	43.8			
FH (60°-80°)	3504.1	36.7			G2/5000
FVH (80°-90°)	116.7	1.2			G2/225
BL (0°-30°)	290.7	3.0	B1/500		
BM (30°-60°)	323.1	3.4	B1/1000		
BH (60°-80°)	173.5	1.8	B1/500		G1/500
BVH (80°-90°)	1.9	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°	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3
2.5°	2943.6	2953.7	2962.6	2946.1	2960.1	2939.8	2887.8	2876.4	2867.5	2790.2	2745.8
5°	2942.3	2930.9	2939.8	2947.4	2928.4	2943.6	2930.9	2932.2	2897.9	2828.2	2704.0
7.5°	2745.8	2740.8	2745.8	2782.6	2824.4	2857.4	2876.4	2895.4	2872.6	2768.6	2648.2
10°	2480.9	2506.2	2520.2	2586.1	2650.7	2711.6	2771.2	2806.7	2800.3	2758.5	2587.4
12.5°	2295.8	2288.2	2338.9	2382.0	2446.6	2569.6	2673.6	2706.5	2744.6	2686.2	2507.5
15°	2124.7	2104.4	2134.8	2209.6	2319.9	2417.5	2563.3	2612.7	2660.9	2676.1	2464.4
17.5°	1961.1	1971.3	2003.0	2070.1	2174.1	2311.0	2447.9	2518.9	2634.3	2614.0	2399.7
20°	1882.5	1904.1	1915.5	1949.7	2022.0	2158.9	2363.0	2420.0	2543.0	2612.7	2336.4
22.5°	1886.3	1886.3	1859.7	1880.0	1945.9	2052.4	2247.6	2311.0	2506.2	2546.8	2279.3
25°	1926.9	1901.5	1902.8	1878.7	1906.6	1964.9	2143.7	2221.0	2431.4	2553.1	2248.9
27.5°	1957.3	1952.2	1944.6	1938.3	1902.8	1911.7	2075.2	2138.6	2402.3	2545.5	2202.0
30°	2067.6	2044.8	2037.2	2023.2	1976.3	1933.2	2020.7	2100.6	2379.5	2563.3	2175.4
32.5°	2160.1	2164.0	2170.3	2129.7	2089.2	1982.7	2035.9	2099.3	2363.0	2603.8	2202.0
35°	2276.8	2293.3	2295.8	2283.1	2240.0	2134.8	2099.3	2153.8	2390.9	2676.1	2204.5
37.5°	2454.3	2436.5	2484.7	2489.7	2459.3	2319.9	2246.4	2267.9	2473.3	2791.5	2300.9
40°	2569.6	2591.2	2681.2	2736.9	2685.0	2558.2	2459.3	2455.5	2592.4	2972.7	2420.0
42.5°	2697.6	2745.8	2844.7	2965.1	2958.8	2840.9	2740.8	2724.3	2804.1	3235.2	2608.9
45°	2872.6	2915.7	3053.9	3235.2	3334.0	3233.9	3083.0	3050.1	3061.5	3592.6	2930.9
47.5°	3162.9	3151.5	3350.5	3529.3	3691.5	3614.2	3549.5	3453.2	3444.3	4013.5	3375.9
50°	3491.2	3488.7	3666.2	3869.0	4056.6	4207.5	4099.7	3994.5	3997.0	4585.2	3899.4
52.5°	3803.1	3852.5	4043.9	4245.5	4567.5	4729.8	4833.7	4791.9	4590.3	5096.1	4459.7
55°	3967.9	4011.0	4201.1	4548.5	5056.8	5473.9	5755.3	5719.8	5330.6	5671.7	5012.5
57.5°	3812.0	3841.1	4098.5	4553.6	5399.1	6329.6	6599.6	6555.2	6096.3	6111.5	5680.5
60°	3159.1	3204.7	3587.6	4121.3	5266.0	6988.8	7762.1	7694.9	6793.6	6668.1	6110.3
62.5°	2188.0	2218.5	2532.8	3197.1	4634.7	7218.2	8859.9	8896.7	7528.8	7101.6	6238.3
65°	1417.3	1414.7	1594.8	2044.8	3284.6	6523.5	9509.0	9737.1	8238.7	7167.5	6199.0
67°	1001.5	997.7	1082.6	1386.9	2274.2	5375.0	9497.6	9988.2	8624.1	7186.5	5835.2
67.5°	924.1	920.3	1001.5	1275.3	2052.4	4998.5	9355.6	9858.8	8759.8	7159.9	5675.5
70°	717.5	707.4	737.8	878.5	1195.4	3232.6	8006.7	9056.4	8478.3	6495.7	4532.0
72.5°	518.5	529.9	578.1	721.3	938.1	1739.3	6102.7	7323.5	7081.3	4895.8	2880.2
75°	361.3	371.4	448.8	588.2	860.8	1054.7	4126.3	5311.6	4932.6	2702.7	1227.1
77.5°	188.9	201.6	286.5	470.3	782.2	816.4	2465.7	3368.3	2614.0	962.2	338.5
80°	87.5	93.8	143.2	333.4	654.1	717.5	1437.6	1873.6	1045.8	215.5	116.6
82.5°	38.0	41.8	65.9	191.4	464.0	627.5	889.9	982.5	379.0	69.7	72.3
85°	7.6	8.9	25.4	101.4	224.4	380.3	625.0	583.1	190.2	34.2	57.0
87.5°	0.0	0.0	6.3	29.2	60.8	112.8	264.9	264.9	58.3	17.7	21.6
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°	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3
2.5°	2706.5	2660.9	2560.7	2468.2	2402.3	2327.5	2228.6	2184.2	2167.8	2144.9	2110.7
5°	2635.5	2579.8	2408.6	2236.2	2047.3	1904.1	1752.0	1663.2	1596.0	1554.2	1540.2
7.5°	2535.4	2421.3	2190.6	1914.2	1669.6	1456.6	1225.9	1069.9	969.8	929.2	891.2
10°	2455.5	2307.2	1956.0	1612.5	1286.7	974.9	715.0	578.1	474.1	434.8	429.7
12.5°	2351.6	2174.1	1736.7	1304.5	895.0	580.6	395.5	343.5	314.4	309.3	305.5
15°	2265.4	2053.7	1528.8	1010.4	579.3	362.6	308.0	295.4	287.8	285.2	286.5
17.5°	2207.1	1924.4	1315.9	735.3	381.6	296.6	284.0	276.4	272.6	271.3	267.5
20°	2091.7	1815.3	1105.4	514.7	297.9	273.8	263.7	257.3	253.5	252.3	251.0
22.5°	2025.8	1677.2	895.0	358.8	264.9	248.5	240.9	235.8	229.5	225.6	224.4
25°	1959.9	1575.7	707.4	278.9	240.9	229.5	218.0	211.7	201.6	196.5	195.2
27.5°	1882.5	1475.6	545.1	242.1	216.8	205.4	194.0	183.8	171.1	166.1	163.5
30°	1838.2	1378.0	410.7	216.8	199.0	183.8	169.9	157.2	143.2	134.4	131.8
32.5°	1815.3	1289.2	308.0	197.8	180.0	163.5	145.8	130.6	117.9	110.3	109.0
35°	1787.4	1203.0	242.1	180.0	162.3	144.5	126.8	111.6	98.9	92.5	90.0
37.5°	1816.6	1152.3	201.6	166.1	148.3	128.0	109.0	93.8	83.7	77.3	76.1
40°	1896.5	1110.5	174.9	153.4	134.4	112.8	95.1	79.9	71.0	65.9	63.4
42.5°	2019.4	1110.5	158.5	140.7	121.7	98.9	81.1	69.7	60.8	55.8	54.5
45°	2242.5	1144.7	144.5	128.0	106.5	84.9	69.7	58.3	49.4	44.4	43.1
47.5°	2555.7	1223.3	133.1	116.6	95.1	74.8	60.8	49.4	40.6	35.5	34.2
50°	2976.5	1402.1	121.7	102.7	84.9	64.7	50.7	39.3	31.7	26.6	25.4
52.5°	3501.4	1655.6	110.3	95.1	72.3	54.5	40.6	31.7	24.1	20.3	19.0
55°	4056.6	1966.2	96.3	84.9	62.1	45.6	33.0	24.1	17.7	15.2	13.9
57.5°	4615.7	2205.8	84.9	73.5	50.7	36.8	26.6	19.0	12.7	10.1	8.9
60°	4912.3	2228.6	73.5	60.8	40.6	29.2	20.3	13.9	8.9	6.3	5.1
62.5°	4957.9	2025.8	63.4	49.4	33.0	22.8	13.9	10.1	5.1	2.5	2.5
65°	4723.4	1688.6	54.5	39.3	25.4	16.5	10.1	6.3	2.5	1.3	0.0
67°	4343.1	1414.7	46.9	33.0	20.3	12.7	7.6	3.8	1.3	0.0	0.0
67.5°	4196.1	1338.7	44.4	30.4	19.0	11.4	6.3	3.8	1.3	0.0	0.0
70°	3256.7	955.8	33.0	21.6	13.9	8.9	5.1	2.5	0.0	0.0	0.0
72.5°	1995.3	559.1	25.4	15.2	10.1	6.3	3.8	1.3	0.0	0.0	0.0
75°	836.7	192.7	21.6	11.4	7.6	3.8	2.5	1.3	0.0	0.0	0.0
77.5°	218.0	72.3	15.2	7.6	5.1	3.8	2.5	1.3	0.0	0.0	0.0
80°	88.7	33.0	10.1	5.1	5.1	3.8	2.5	1.3	0.0	0.0	0.0
82.5°	58.3	15.2	6.3	5.1	3.8	2.5	1.3	0.0	0.0	0.0	0.0
85°	44.4	8.9	3.8	3.8	2.5	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	19.0	5.1	3.8	2.5	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)