

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: P480337

Luminaire Tested: **IFLD-S-SA2C-722-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480337  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-722-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

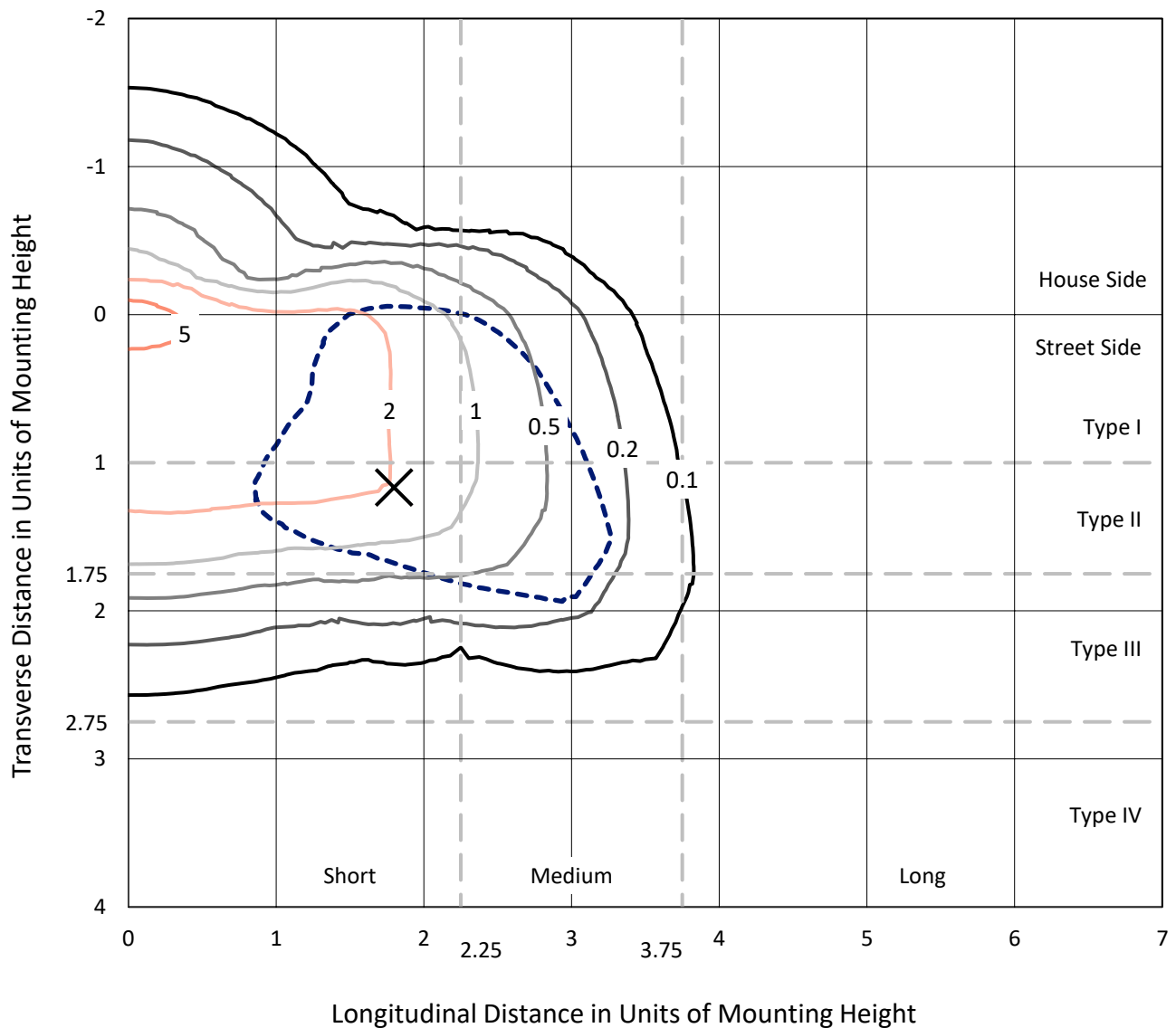
Lumens per Lamp: N/A  
Luminaire Lumens: 10330.6 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2  
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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 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

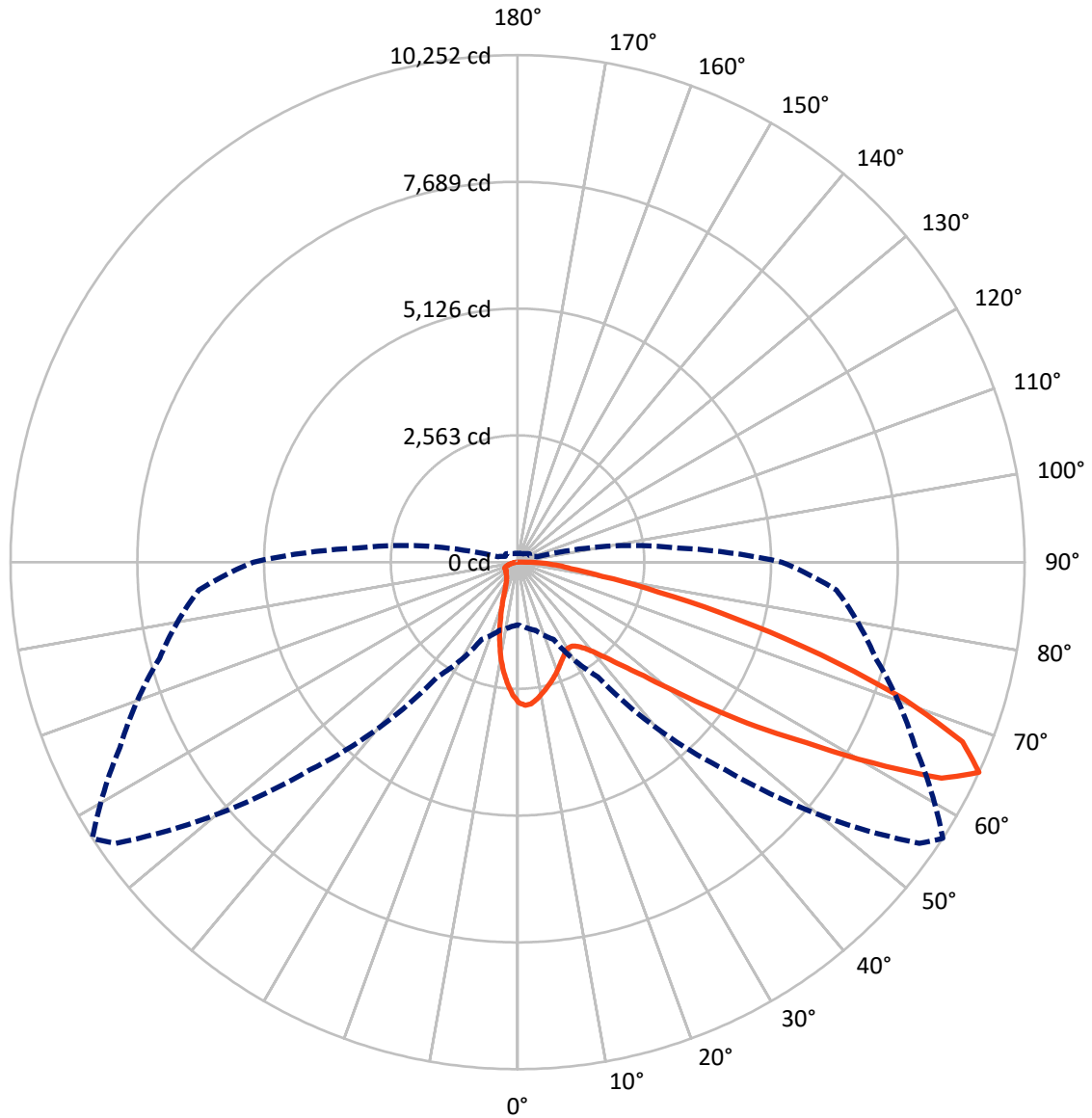
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P480337  
CATALOG NUMBER: IFLD-S-SA2C-722-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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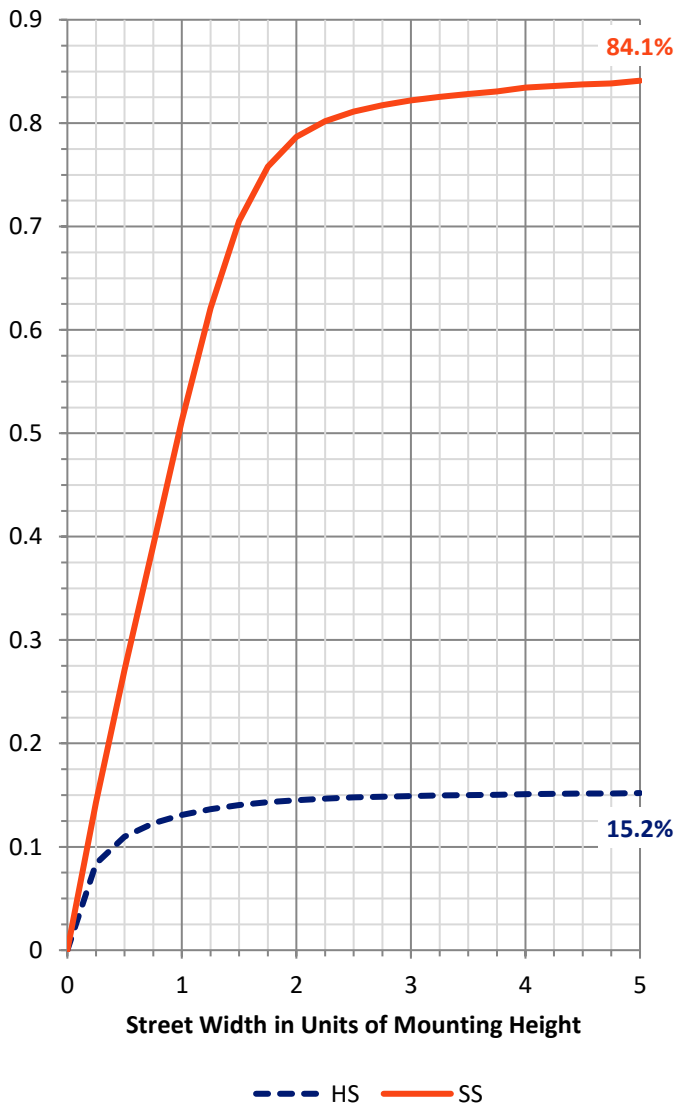
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1584.3	0.0	1584.3
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	8746.3	0.0	8746.3
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	10330.6	0.0	10330.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.9	2.3
10°-20°	512.0	5.0
20°-30°	662.0	6.4
30°-40°	890.8	8.6
40°-50°	1420.4	13.7
50°-60°	2508.7	24.3
60°-70°	2759.9	26.7
70°-80°	1154.5	11.2
80°-90°	184.5	1.8
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°	10330.6	100.0
0°-180°	10330.6	100.0

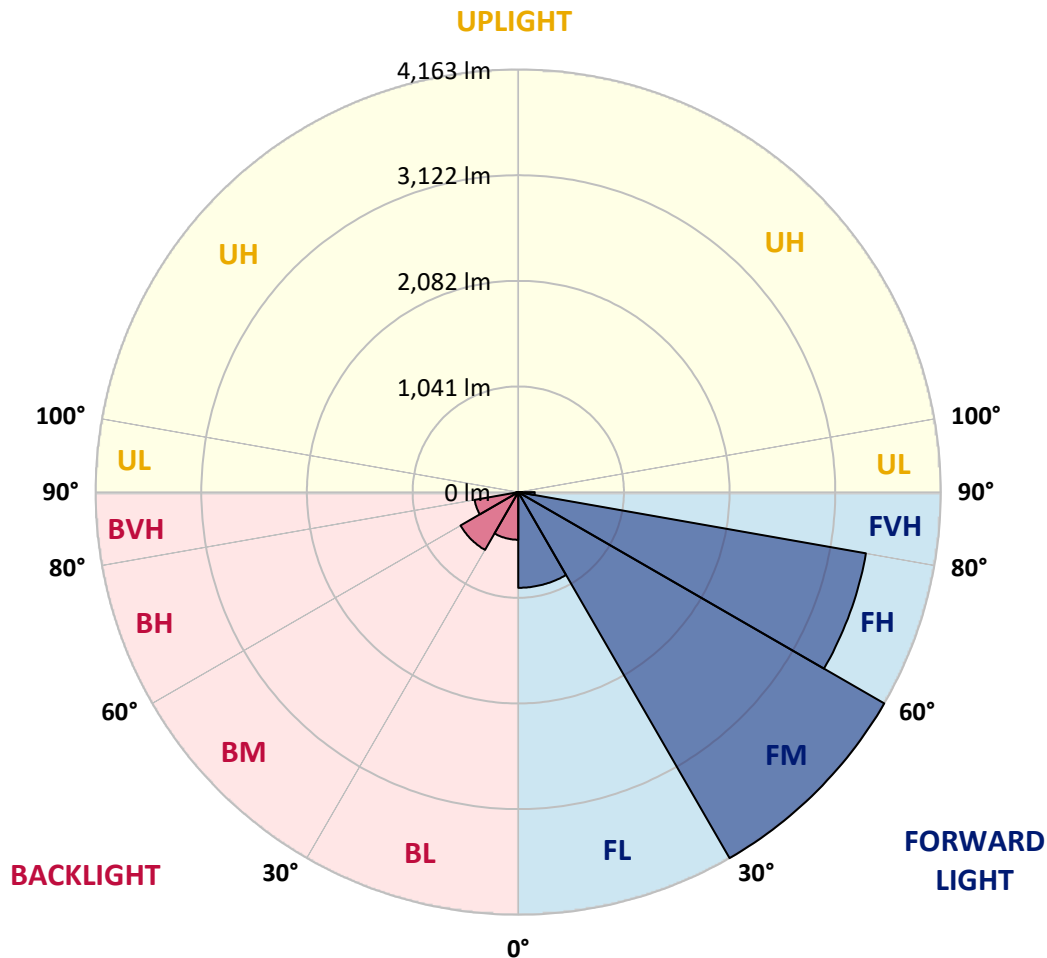


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 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	942.6	9.1			
FM (30°-60°)	4163.2	40.3			
FH (60°-80°)	3477.6	33.7			G2/5000
FVH (80°-90°)	162.9	1.6			G2/225
BL (0°-30°)	469.2	4.5	B1/500		
BM (30°-60°)	656.6	6.4	B1/1000		
BH (60°-80°)	436.8	4.2	B1/500		G1/500
BVH (80°-90°)	21.6	0.2			G1/100
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°	57°	65°	75°	85°
0°	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8
2.5°	2917.5	2922.1	2922.1	2931.4	2900.1	2915.2	2912.8	2898.9	2903.5	2879.1	2854.7
5°	2835.0	2831.5	2850.1	2852.4	2876.8	2883.8	2889.6	2880.3	2882.6	2829.1	2805.9
7.5°	2623.4	2622.3	2653.6	2680.4	2731.5	2779.2	2810.6	2801.3	2814.0	2780.3	2725.7
10°	2372.3	2399.1	2431.6	2458.4	2552.5	2613.0	2694.3	2702.5	2751.3	2743.1	2644.3
12.5°	2184.0	2195.7	2220.1	2296.8	2382.8	2482.8	2599.0	2609.5	2657.1	2680.4	2594.4
15°	2029.5	2039.9	2071.3	2128.3	2224.7	2343.3	2490.9	2517.6	2613.0	2621.1	2529.3
17.5°	1916.7	1924.8	1945.8	2002.7	2081.8	2234.0	2373.5	2421.2	2546.7	2586.2	2461.8
20°	1872.5	1855.1	1866.7	1902.8	1981.8	2099.2	2279.4	2321.2	2481.6	2559.5	2397.9
22.5°	1852.8	1837.7	1844.6	1842.3	1905.1	1988.8	2178.2	2222.4	2420.0	2528.1	2341.0
25°	1867.9	1867.9	1860.9	1855.1	1862.1	1916.7	2069.0	2137.6	2337.5	2501.4	2282.8
27.5°	1949.3	1917.9	1921.4	1896.9	1890.0	1890.0	2020.2	2060.8	2310.7	2486.3	2235.2
30°	2001.6	2016.7	2017.8	1981.8	1945.8	1880.7	1974.8	2014.3	2288.7	2504.9	2207.3
32.5°	2135.2	2128.3	2108.5	2101.5	2048.1	1974.8	1996.9	2023.6	2275.9	2546.7	2215.4
35°	2268.9	2265.4	2266.6	2263.1	2207.3	2099.2	2056.2	2092.2	2299.1	2619.9	2243.3
37.5°	2407.2	2416.5	2456.0	2456.0	2396.8	2279.4	2222.4	2211.9	2384.0	2739.6	2309.6
40°	2545.5	2568.8	2618.8	2697.8	2614.1	2504.9	2413.0	2396.8	2486.3	2900.1	2468.8
42.5°	2678.0	2716.4	2815.2	2932.6	2904.7	2795.4	2673.4	2654.8	2696.6	3138.3	2690.8
45°	2847.7	2880.3	3036.0	3216.2	3254.6	3158.1	3015.1	3000.0	2997.7	3487.0	2996.5
47.5°	3105.8	3140.7	3296.4	3477.7	3596.3	3611.4	3451.0	3434.7	3378.9	3957.8	3444.0
50°	3428.9	3485.9	3617.2	3828.8	4000.8	4162.4	4117.0	4069.4	3960.1	4505.3	4011.3
52.5°	3664.9	3734.6	3912.5	4183.3	4486.7	4743.5	4906.3	4906.3	4655.2	5106.2	4693.6
55°	3727.6	3769.5	3993.8	4385.5	4905.1	5554.9	5895.4	5869.8	5482.8	5738.5	5487.4
57.5°	3477.7	3532.4	3804.4	4214.7	5124.8	6313.9	6877.6	6883.4	6387.1	6473.1	6270.9
60°	2789.6	2807.1	3127.9	3676.5	4913.2	6925.3	8218.9	8241.0	7415.8	7127.5	6669.5
62.5°	1928.3	1984.1	2225.9	2707.1	4070.5	6856.7	9512.6	9621.9	8239.9	7472.7	6732.3
65°	1269.3	1303.0	1432.0	1724.9	2833.8	5943.1	9914.8	10251.9	8869.9	7492.5	6469.6
67.5°	920.6	926.4	964.7	1115.9	1702.8	4273.9	9227.9	9703.3	9105.8	7327.4	5853.6
70°	743.9	748.6	762.5	859.0	1099.6	2674.6	7526.2	8271.3	8397.9	6545.2	4714.5
72.5°	604.4	610.2	627.7	718.3	906.6	1487.8	5503.7	6411.5	6831.1	4842.3	3133.7
75°	475.4	480.0	521.9	611.4	852.0	1021.7	3650.9	4540.1	4597.1	2830.3	1466.9
77.5°	325.5	333.6	384.7	518.4	802.0	893.8	2275.9	2908.2	2609.5	1107.7	504.5
80°	206.9	218.5	248.7	392.9	709.0	853.2	1415.7	1736.5	1142.6	378.9	242.9
82.5°	122.0	133.7	163.9	254.6	556.8	791.6	997.3	1086.8	535.8	194.1	146.5
85°	67.4	75.6	98.8	153.4	326.6	703.2	798.5	779.9	306.9	103.4	91.8
87.5°	22.1	25.6	36.0	61.6	134.8	331.3	478.9	449.8	159.2	47.7	36.0
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°	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8	2840.8
2.5°	2838.4	2835.0	2782.7	2743.1	2675.7	2619.9	2597.8	2567.6	2566.5	2544.4	2538.6
5°	2769.9	2733.8	2653.6	2576.9	2457.2	2377.0	2303.8	2252.6	2231.7	2186.4	2175.9
7.5°	2681.5	2633.9	2510.7	2366.5	2225.9	2100.4	1986.4	1872.5	1808.6	1786.5	1762.1
10°	2589.7	2506.0	2323.5	2162.0	1965.5	1772.6	1593.6	1433.2	1346.0	1284.4	1257.7
12.5°	2516.5	2404.9	2172.4	1930.7	1671.5	1413.4	1205.4	1036.8	938.0	891.5	870.6
15°	2434.0	2286.3	2007.4	1701.7	1378.5	1085.6	882.2	749.7	710.2	688.1	684.6
17.5°	2346.8	2175.9	1828.4	1476.2	1092.6	817.1	685.8	632.3	614.9	605.6	600.9
20°	2265.4	2077.1	1644.7	1225.1	855.5	655.6	594.0	566.1	564.9	569.5	568.4
22.5°	2150.3	1948.1	1463.4	992.6	683.5	570.7	531.2	524.2	531.2	537.0	539.3
25°	2085.2	1842.3	1261.1	788.1	564.9	506.8	494.0	491.7	502.1	509.1	507.9
27.5°	2017.8	1733.1	1072.8	631.2	495.2	461.5	459.1	461.5	471.9	482.4	481.2
30°	1965.5	1645.9	896.2	527.7	441.7	428.9	426.6	428.9	434.7	435.9	435.9
32.5°	1922.5	1542.4	746.2	458.0	409.1	398.7	401.0	399.8	401.0	402.2	403.3
35°	1896.9	1480.8	623.0	415.0	382.4	374.3	373.1	369.6	370.8	372.0	370.8
37.5°	1951.6	1450.6	525.4	384.7	363.8	356.8	354.5	352.2	348.7	348.7	348.7
40°	2034.1	1434.3	466.1	365.0	349.9	341.7	334.8	332.4	332.4	333.6	334.8
42.5°	2198.0	1461.1	425.4	349.9	332.4	323.1	316.2	317.3	320.8	324.3	322.0
45°	2435.1	1542.4	406.8	338.2	322.0	309.2	304.5	303.4	306.9	312.7	317.3
47.5°	2745.5	1669.1	399.8	327.8	315.0	297.6	291.7	295.2	299.9	308.0	304.5
50°	3253.4	1953.9	405.7	318.5	304.5	291.7	284.8	281.3	284.8	290.6	292.9
52.5°	3917.1	2471.1	427.7	313.8	297.6	287.1	275.5	269.7	273.2	277.8	277.8
55°	4711.0	3177.9	489.3	308.0	285.9	280.1	267.3	255.7	258.0	258.0	256.9
57.5°	5410.7	3711.4	562.6	299.9	279.0	270.8	254.6	240.6	238.3	239.4	240.6
60°	5724.6	3853.2	597.4	297.6	279.0	259.2	237.1	223.2	219.7	217.4	217.4
62.5°	5669.9	3607.9	526.5	287.1	285.9	249.9	220.8	205.7	201.1	196.4	197.6
65°	5339.8	3258.1	415.0	273.2	287.1	244.1	204.6	189.5	181.3	175.5	174.4
67.5°	4736.6	2781.5	328.9	262.7	275.5	233.6	190.6	173.2	166.2	160.4	158.1
70°	3705.6	2180.6	285.9	248.7	247.6	208.1	174.4	159.2	148.8	141.8	141.8
72.5°	2402.6	1378.5	245.3	220.8	213.9	174.4	151.1	141.8	133.7	127.9	127.9
75°	1088.0	640.5	197.6	184.8	174.4	139.5	127.9	123.2	116.2	110.4	110.4
77.5°	390.5	273.2	147.6	145.3	130.2	108.1	103.4	100.0	95.3	89.5	89.5
80°	218.5	173.2	110.4	105.8	90.7	80.2	74.4	74.4	72.1	68.6	67.4
82.5°	138.3	112.7	81.4	70.9	59.3	53.5	51.1	50.0	48.8	44.2	43.0
85°	87.2	76.7	53.5	41.8	34.9	26.7	25.6	24.4	22.1	19.8	19.8
87.5°	39.5	44.2	20.9	12.8	9.3	5.8	3.5	1.2	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)