

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: P479950

Luminaire Tested: **IFLD-S-SA3A-722-U-SL2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479950  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-722-U-SL2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

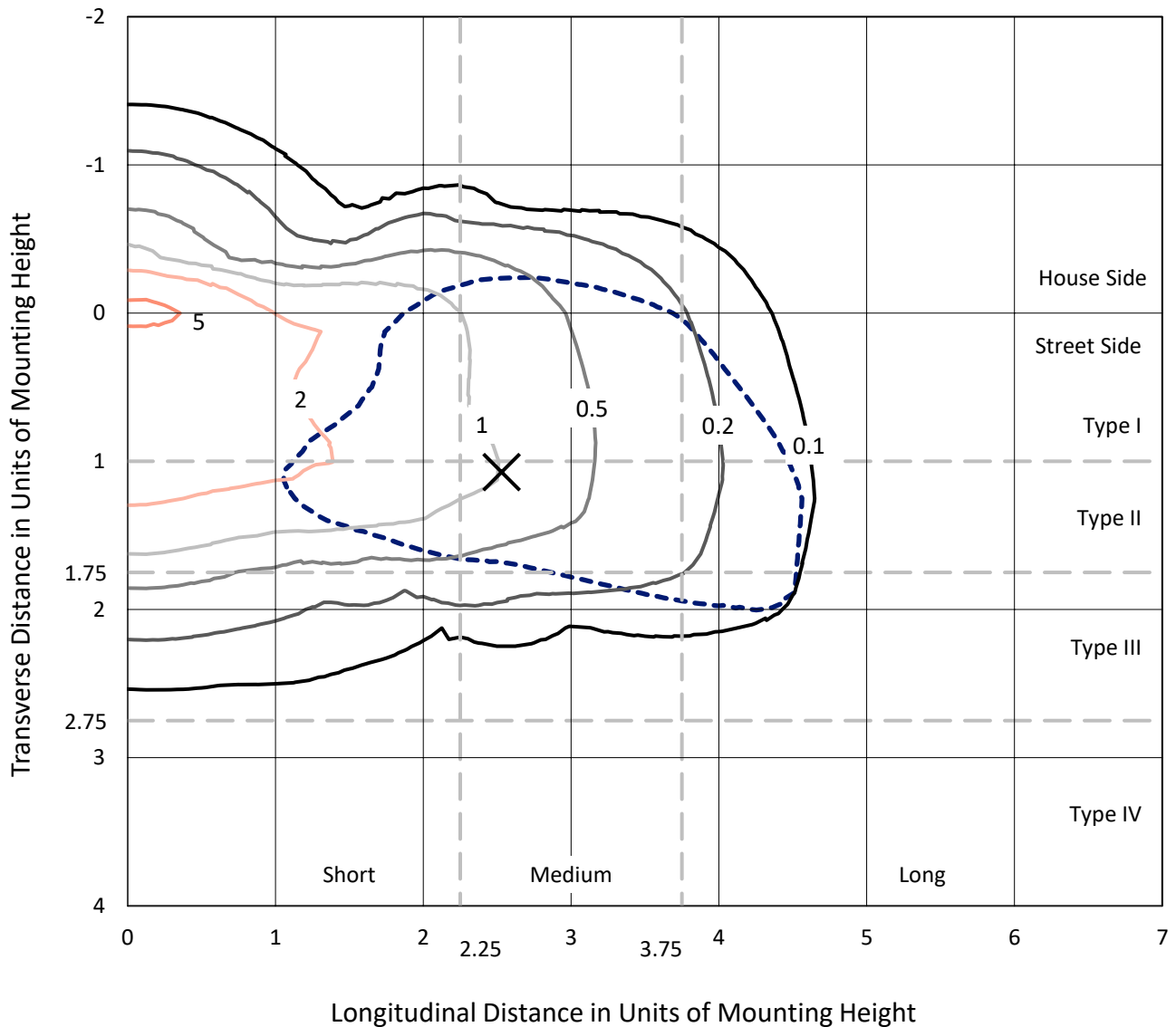
Lumens per Lamp: N/A  
Luminaire Lumens: 10104.7 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 94.8  
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

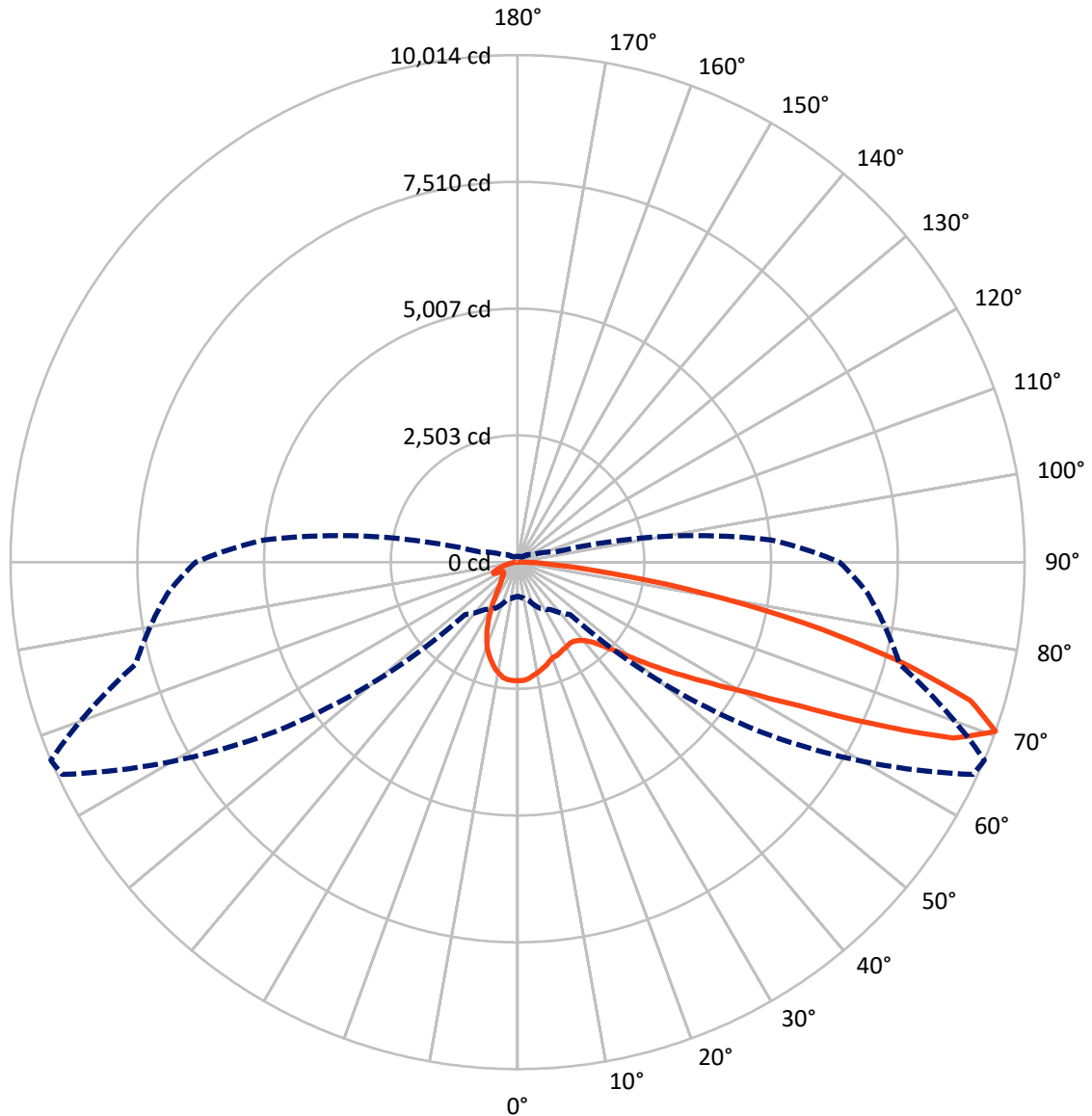
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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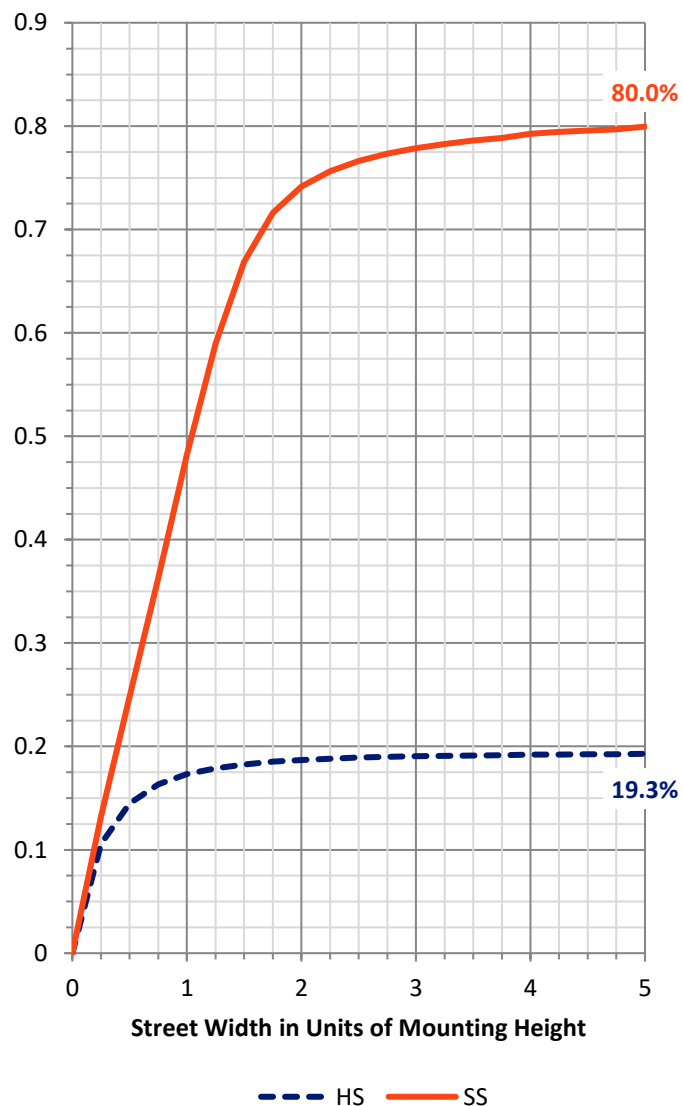
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1968.0	0.0	1968.0
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	8136.7	0.0	8136.7
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	10104.7	0.0	10104.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.1	2.0
10°-20°	488.8	4.8
20°-30°	660.1	6.5
30°-40°	883.3	8.7
40°-50°	1298.9	12.9
50°-60°	2024.6	20.0
60°-70°	2493.9	24.7
70°-80°	1762.2	17.4
80°-90°	288.8	2.9
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°	10104.7	100.0
0°-180°	10104.7	100.0

**Coefficient of Utilization**



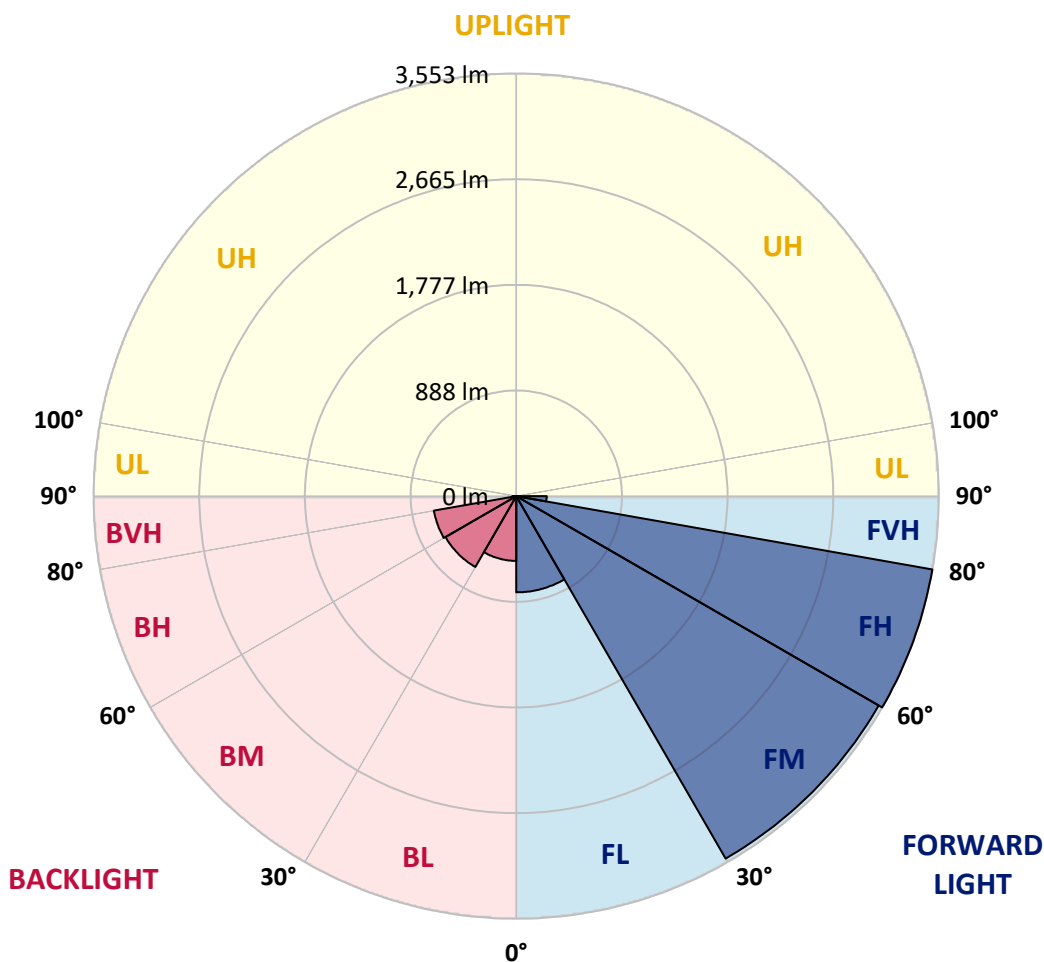
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	808.8	8.0			
FM (30°-60°)	3519.3	34.8			
FH (60°-80°)	3553.2	35.2			G2/5000
FVH (80°-90°)	255.5	2.5			G3/500
BL (0°-30°)	544.2	5.4	B2/1000		
BM (30°-60°)	687.5	6.8	B1/1000		
BH (60°-80°)	703.0	7.0	B2/1000		G2/1000
BVH (80°-90°)	33.3	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2
2.5°	2178.1	2202.7	2211.7	2225.1	2259.8	2285.5	2301.2	2319.1	2340.3	2358.2	2369.4
5°	2026.0	2039.4	2060.7	2075.2	2118.8	2188.2	2235.2	2311.2	2309.0	2337.0	2379.5
7.5°	1878.3	1891.7	1901.8	1930.9	1993.5	2056.2	2142.3	2265.4	2256.4	2321.3	2387.3
10°	1786.6	1776.5	1779.9	1829.1	1878.3	1948.8	2057.3	2182.6	2215.0	2315.7	2409.7
12.5°	1700.4	1689.2	1716.1	1747.4	1807.8	1871.6	2001.4	2114.3	2163.6	2295.6	2419.8
15°	1646.7	1638.9	1672.5	1685.9	1757.5	1833.6	1925.3	2062.9	2116.6	2271.0	2404.1
17.5°	1616.5	1623.2	1635.5	1664.6	1710.5	1775.4	1876.1	2028.2	2051.7	2240.8	2400.7
20°	1622.1	1630.0	1631.1	1643.4	1674.7	1725.0	1828.0	1991.3	2007.0	2235.2	2409.7
22.5°	1666.9	1655.7	1660.2	1652.3	1661.3	1700.4	1791.0	1942.1	2002.5	2188.2	2390.7
25°	1734.0	1718.3	1716.1	1689.2	1672.5	1683.6	1784.3	1929.8	1968.9	2173.6	2389.6
27.5°	1852.6	1829.1	1829.1	1788.8	1720.6	1702.7	1765.3	1909.6	1944.3	2160.2	2363.8
30°	1966.7	1966.7	1967.8	1910.7	1834.7	1746.3	1773.1	1901.8	1924.2	2119.9	2329.1
32.5°	2105.4	2102.0	2096.5	2068.5	1951.0	1819.0	1811.2	1891.7	1902.9	2106.5	2319.1
35°	2240.8	2231.8	2275.4	2250.8	2131.1	1961.1	1850.3	1896.2	1920.8	2086.4	2287.7
37.5°	2342.6	2348.2	2438.8	2454.4	2351.5	2122.2	1961.1	1941.0	1964.4	2115.5	2287.7
40°	2474.6	2496.9	2582.0	2634.5	2571.9	2334.7	2136.7	2015.9	2032.7	2180.4	2337.0
42.5°	2648.0	2667.0	2775.5	2843.7	2825.8	2605.5	2310.1	2172.5	2159.1	2288.9	2410.8
45°	2877.3	2880.7	2990.3	3084.3	3121.2	2888.5	2585.3	2370.5	2359.3	2475.7	2546.2
47.5°	3150.3	3146.9	3215.2	3315.8	3415.4	3226.3	2901.9	2671.5	2631.2	2743.1	2771.0
50°	3414.3	3399.7	3415.4	3544.1	3735.4	3649.2	3286.8	3039.5	2999.2	3060.8	3108.9
52.5°	3559.7	3577.6	3535.1	3705.1	4075.4	4149.3	3796.9	3479.2	3444.5	3474.7	3558.6
55°	3457.9	3494.8	3466.9	3628.0	4224.2	4759.0	4456.9	3988.2	3943.4	3932.2	4069.8
57.5°	3025.0	3092.1	3097.7	3352.8	4172.8	5231.1	5385.4	4588.9	4521.8	4407.7	4549.8
60°	2322.4	2389.6	2441.0	2743.1	3732.0	5513.0	6461.6	5443.6	5222.1	4926.8	5011.8
62.5°	1627.7	1673.6	1725.0	1910.7	2877.3	5347.4	7392.4	6647.3	6239.0	5473.8	5580.1
65°	1185.8	1221.6	1274.2	1383.8	1767.6	4424.5	7824.2	8077.0	7690.0	6169.6	6156.2
67.5°	892.7	915.1	984.5	1160.1	1225.0	2733.0	7376.7	9587.3	9274.1	6942.7	6619.4
70°	675.7	694.7	759.6	1000.1	1144.4	1465.5	5819.5	9924.0	10013.5	7809.7	6930.4
72.5°	465.4	486.6	559.4	833.4	1089.6	1162.3	3652.6	9015.6	9354.6	8166.5	6597.0
75°	285.3	299.8	342.3	632.1	1081.8	1136.6	2010.3	7387.9	7747.0	7545.7	5771.4
77.5°	201.4	200.2	208.1	370.3	937.5	1143.3	1239.5	5413.4	5762.4	5561.1	3916.6
80°	146.6	147.7	155.5	221.5	636.5	1162.3	976.6	3625.7	3729.8	2899.7	1544.9
82.5°	88.4	92.9	111.9	149.9	382.6	1049.3	902.8	2014.8	1885.0	930.8	425.1
85°	47.0	47.0	66.0	95.1	203.6	783.1	869.2	958.7	803.2	288.6	157.7
87.5°	11.2	11.2	19.0	38.0	81.7	374.8	592.9	381.5	305.4	97.3	64.9
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°	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2	2339.2
2.5°	2364.9	2351.5	2368.3	2334.7	2307.9	2309.0	2267.6	2265.4	2259.8	2230.7	2240.8
5°	2391.8	2380.6	2361.6	2324.7	2265.4	2206.1	2170.3	2124.4	2105.4	2095.3	2099.8
7.5°	2417.5	2397.4	2342.6	2291.1	2199.4	2087.5	2022.6	1961.1	1882.8	1873.8	1858.2
10°	2424.2	2381.7	2311.2	2201.6	2079.7	1955.5	1807.8	1693.7	1633.3	1586.3	1568.4
12.5°	2414.2	2396.3	2260.9	2119.9	1935.4	1740.7	1568.4	1407.3	1295.5	1237.3	1221.6
15°	2413.0	2381.7	2205.0	1995.8	1759.7	1505.8	1260.8	1067.2	949.8	901.7	901.7
17.5°	2414.2	2339.2	2139.0	1870.5	1552.8	1209.3	939.7	780.9	716.0	709.3	714.9
20°	2391.8	2307.9	2069.6	1722.8	1293.2	908.4	682.4	617.5	617.5	626.5	629.8
22.5°	2371.7	2260.9	1960.0	1540.5	1029.2	657.8	554.9	535.9	557.1	572.8	579.5
25°	2343.7	2221.7	1848.1	1351.4	783.1	530.3	482.2	486.6	506.8	534.7	532.5
27.5°	2303.4	2153.5	1715.0	1132.1	582.8	457.5	445.2	447.5	468.7	481.0	478.8
30°	2257.5	2084.1	1591.9	914.0	462.0	419.5	418.4	424.0	427.3	434.1	432.9
32.5°	2199.4	1992.4	1461.0	710.4	416.2	398.3	393.8	390.4	393.8	392.7	389.3
35°	2158.0	1943.2	1327.9	541.5	390.4	379.2	375.9	370.3	365.8	359.1	358.0
37.5°	2146.8	1894.0	1188.1	441.9	370.3	364.7	353.5	343.4	337.8	334.5	332.3
40°	2140.1	1861.5	1051.6	388.2	353.5	347.9	334.5	321.1	315.5	312.1	313.2
42.5°	2163.6	1843.6	912.9	361.3	339.0	328.9	314.4	298.7	297.6	295.3	298.7
45°	2246.4	1866.0	784.2	342.3	324.4	307.6	288.6	280.8	279.7	277.4	279.7
47.5°	2434.3	1921.9	674.6	330.0	308.8	294.2	274.1	262.9	261.8	260.7	260.7
50°	2693.8	2094.2	582.8	315.5	298.7	278.6	259.5	247.2	245.0	240.5	240.5
52.5°	3101.0	2384.0	528.0	307.6	280.8	264.0	243.9	230.5	224.9	220.4	220.4
55°	3559.7	2743.1	518.0	294.2	261.8	246.1	228.2	214.8	209.2	203.6	201.4
57.5°	4082.1	3218.5	589.6	285.3	248.4	228.2	208.1	195.8	191.3	185.7	183.5
60°	4568.8	3692.8	812.2	271.8	236.0	211.4	191.3	179.0	173.4	167.8	167.8
62.5°	5131.5	4280.2	1189.2	271.8	224.9	193.5	173.4	164.4	161.1	155.5	154.4
65°	5797.1	4887.6	1464.4	288.6	221.5	177.9	156.6	147.7	144.3	141.0	139.8
67.5°	6303.9	5236.7	1259.7	333.4	236.0	164.4	139.8	134.2	132.0	128.7	126.4
70°	6357.6	5024.1	759.6	360.2	250.6	151.0	125.3	119.7	119.7	116.3	114.1
72.5°	5875.4	4458.0	511.2	321.1	227.1	135.4	110.8	106.3	104.0	101.8	100.7
75°	4916.7	3781.2	403.9	256.2	174.5	111.9	96.2	91.7	88.4	87.3	85.0
77.5°	3302.4	2457.8	298.7	200.2	128.7	90.6	80.5	76.1	72.7	71.6	68.2
80°	1268.6	936.4	192.4	145.4	90.6	71.6	63.8	59.3	57.1	53.7	51.5
82.5°	373.6	303.2	107.4	89.5	58.2	49.2	45.9	42.5	39.2	35.8	34.7
85°	154.4	138.7	66.0	47.0	35.8	29.1	26.8	23.5	20.1	17.9	15.7
87.5°	71.6	59.3	30.2	17.9	12.3	6.7	3.4	1.1	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)