

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: P479947

Luminaire Tested: **IFLD-S-SA2C-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479947
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-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

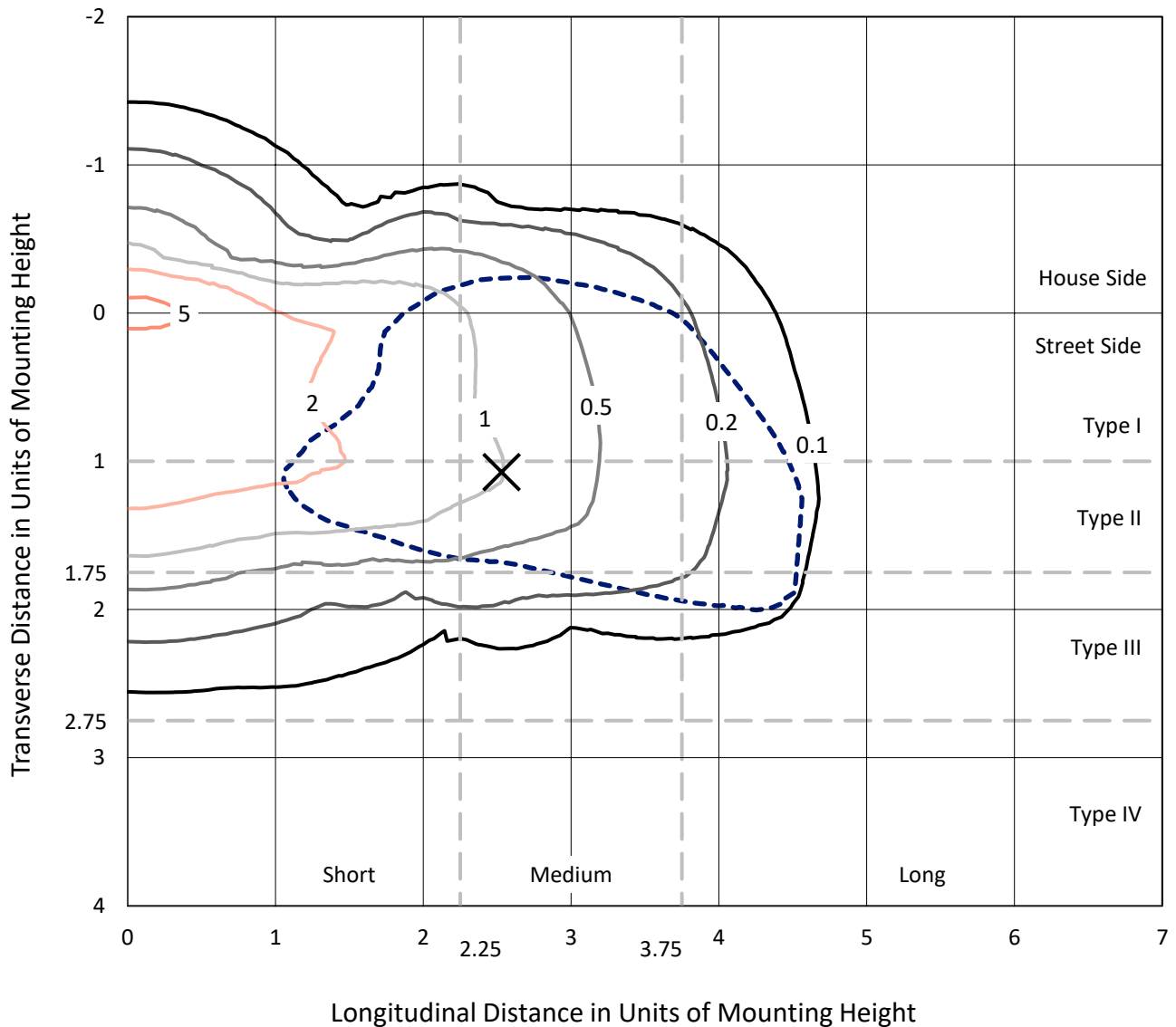
Lumens per Lamp: N/A
Luminaire Lumens: 10438.8 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 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

REPORT NUMBER: P479947
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

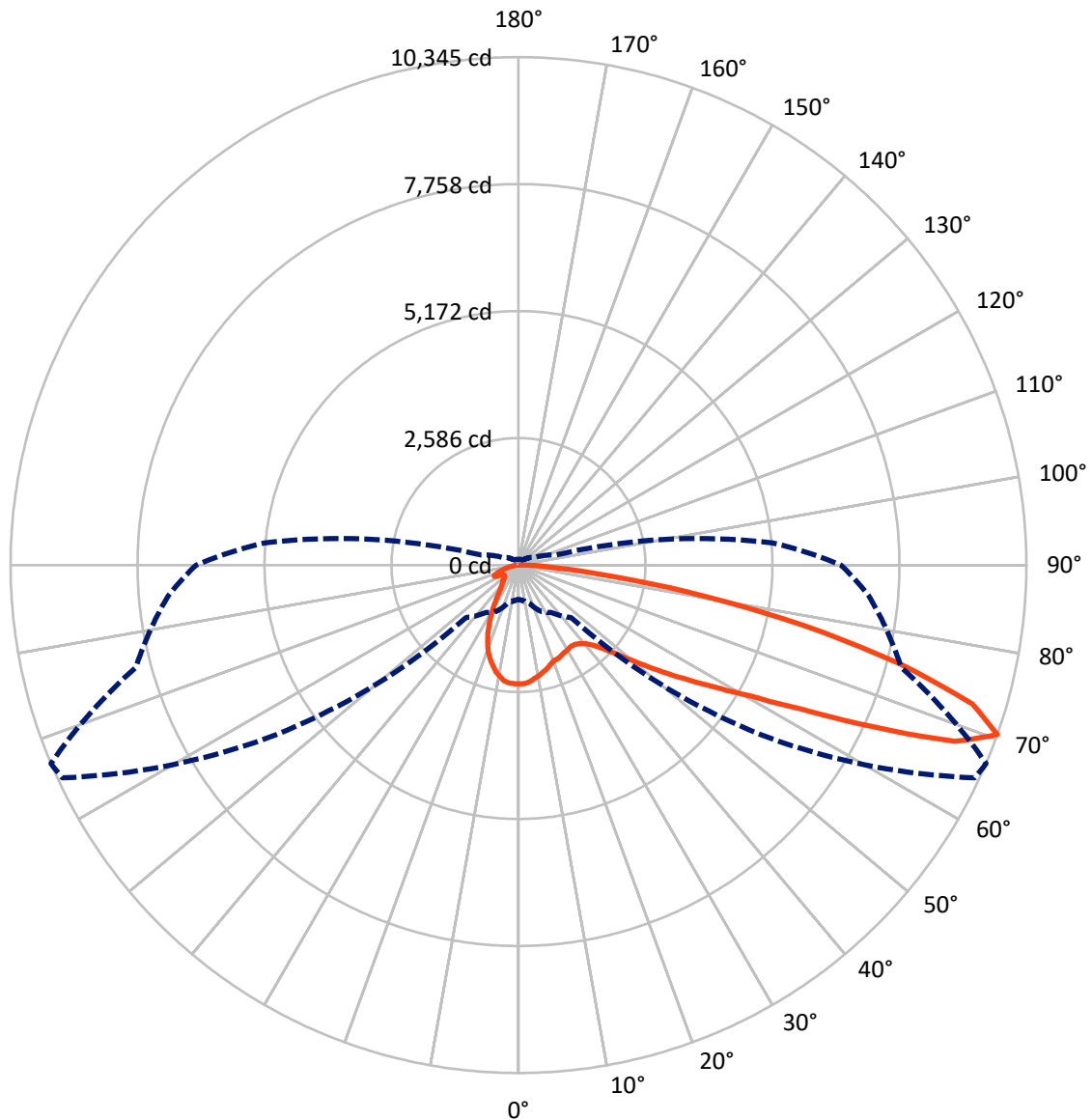
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P479947
CATALOG NUMBER: IFLD-S-SA2C-722-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479947
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL2

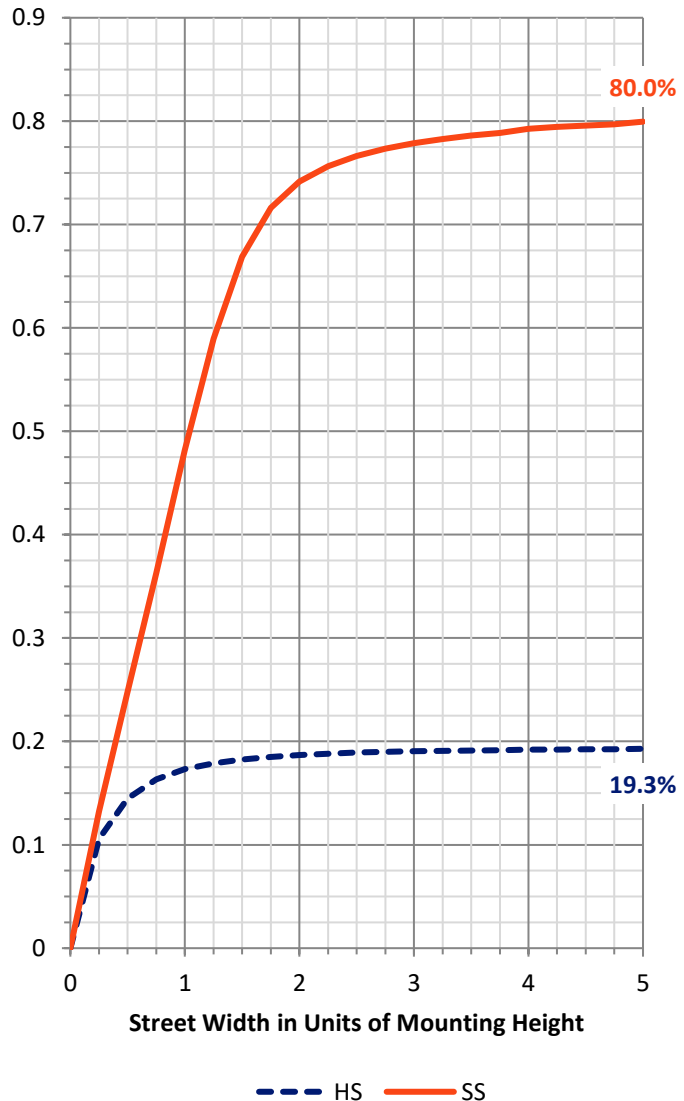
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2033.1	0.0	2033.1
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	8405.7	0.0	8405.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	10438.8	0.0	10438.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.8	2.0
10°-20°	505.0	4.8
20°-30°	681.9	6.5
30°-40°	912.5	8.7
40°-50°	1341.8	12.9
50°-60°	2091.5	20.0
60°-70°	2576.4	24.7
70°-80°	1820.5	17.4
80°-90°	298.4	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°	10438.8	100.0
0°-180°	10438.8	100.0

Coefficient of Utilization



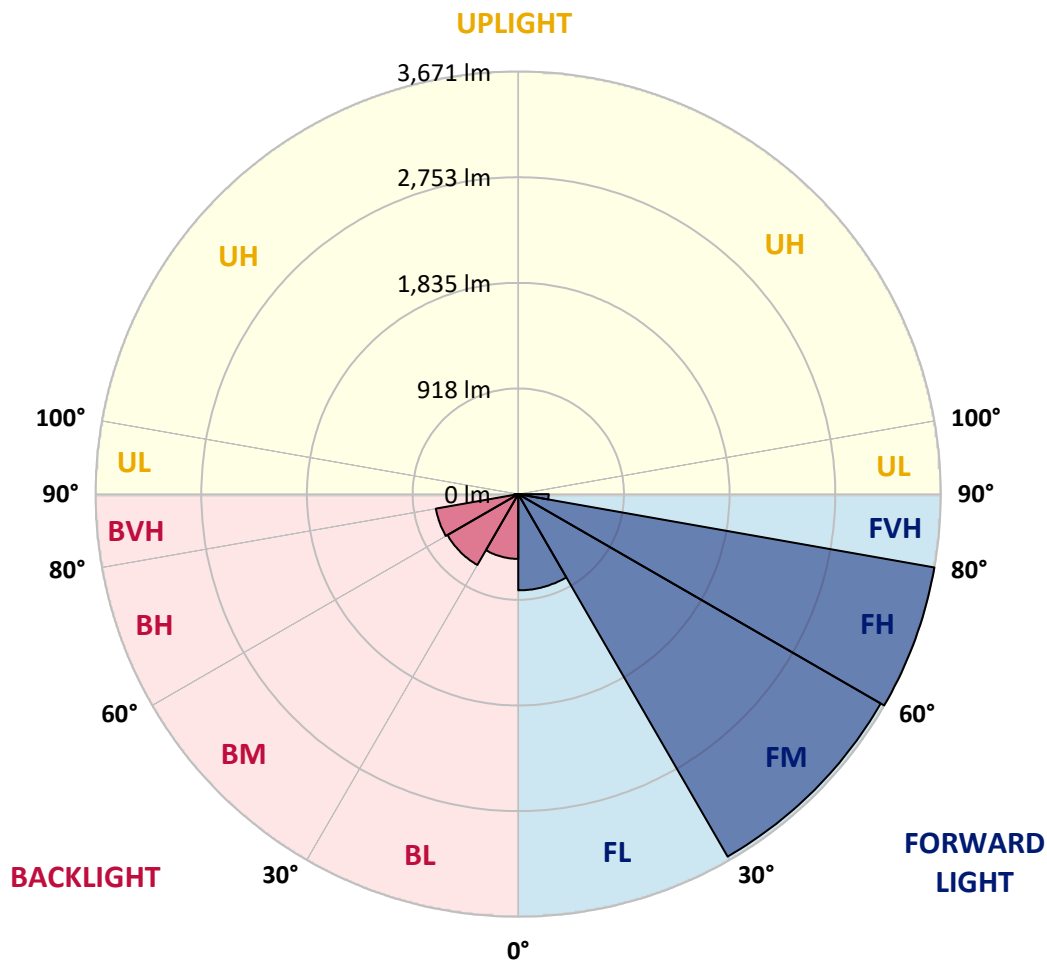
REPORT NUMBER: P479947
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	835.5	8.0			
FM (30°-60°)	3635.6	34.8			
FH (60°-80°)	3670.6	35.2			G2/5000
FVH (80°-90°)	264.0	2.5			G3/500
BL (0°-30°)	562.2	5.4	B2/1000		
BM (30°-60°)	710.2	6.8	B1/1000		
BH (60°-80°)	726.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	34.4	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





REPORT NUMBER: P479947

CATALOG NUMBER: IFLD-S-SA2C-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5
2.5°	2250.1	2275.6	2284.8	2298.7	2334.5	2361.1	2377.3	2395.7	2417.7	2436.2	2447.7
5°	2093.0	2106.8	2128.8	2143.8	2188.9	2260.5	2309.1	2387.7	2385.3	2414.2	2458.2
7.5°	1940.4	1954.3	1964.7	1994.7	2059.4	2124.2	2213.1	2340.3	2331.0	2398.1	2466.2
10°	1845.6	1835.2	1838.7	1889.6	1940.4	2013.2	2125.3	2254.7	2288.3	2392.3	2489.4
12.5°	1756.6	1745.1	1772.8	1805.2	1867.6	1933.5	2067.5	2184.3	2235.1	2371.5	2499.8
15°	1701.2	1693.1	1727.8	1741.6	1815.6	1894.2	1988.9	2131.1	2186.6	2346.0	2483.6
17.5°	1670.0	1676.9	1689.6	1719.7	1767.0	1834.1	1938.1	2095.3	2119.5	2314.8	2480.1
20°	1675.7	1683.8	1685.0	1697.7	1730.1	1782.1	1888.4	2057.1	2073.3	2309.1	2489.4
22.5°	1722.0	1710.4	1715.0	1707.0	1716.2	1756.6	1850.3	2006.3	2068.7	2260.5	2469.7
25°	1791.3	1775.1	1772.8	1745.1	1727.8	1739.3	1843.3	1993.6	2034.0	2245.5	2468.6
27.5°	1913.8	1889.6	1889.6	1847.9	1777.5	1759.0	1823.7	1972.8	2008.6	2231.6	2442.0
30°	2031.7	2031.7	2032.9	1973.9	1895.3	1804.0	1831.8	1964.7	1987.8	2190.0	2406.1
32.5°	2175.0	2171.5	2165.8	2136.9	2015.5	1879.2	1871.1	1954.3	1965.8	2176.2	2395.7
35°	2314.8	2305.6	2350.7	2325.2	2201.6	2025.9	1911.5	1958.9	1984.3	2155.4	2363.4
37.5°	2420.0	2425.8	2519.4	2535.6	2429.3	2192.3	2025.9	2005.1	2029.4	2185.4	2363.4
40°	2556.4	2579.5	2667.3	2721.6	2656.9	2411.9	2207.4	2082.6	2099.9	2252.4	2414.2
42.5°	2735.5	2755.2	2867.3	2937.8	2919.3	2691.6	2386.5	2244.3	2230.5	2364.5	2490.5
45°	2972.4	2975.9	3089.2	3186.2	3224.4	2984.0	2670.8	2448.9	2437.3	2557.5	2630.3
47.5°	3254.4	3251.0	3321.5	3425.5	3528.3	3333.0	2997.9	2759.8	2718.2	2833.8	2862.6
50°	3527.2	3512.1	3528.3	3661.2	3858.8	3769.9	3395.4	3140.0	3098.4	3162.0	3211.7
52.5°	3677.4	3695.9	3652.0	3827.6	4210.2	4286.5	3922.4	3594.2	3558.4	3589.6	3676.2
55°	3572.2	3610.4	3581.5	3747.9	4363.9	4916.3	4604.3	4120.0	4073.8	4062.2	4204.4
57.5°	3125.0	3194.3	3200.1	3463.6	4310.7	5404.0	5563.5	4740.6	4671.3	4553.4	4700.2
60°	2399.2	2468.6	2521.7	2833.8	3855.4	5695.2	6675.3	5623.6	5394.8	5089.7	5177.5
62.5°	1681.5	1728.9	1782.1	1973.9	2972.4	5524.2	7636.8	6867.1	6445.3	5654.8	5764.6
65°	1225.0	1262.0	1316.3	1429.6	1826.0	4570.8	8082.9	8344.1	7944.2	6373.6	6359.8
67.5°	922.2	945.4	1017.0	1198.4	1265.5	2823.3	7620.6	9904.3	9580.7	7172.2	6838.2
70°	698.0	717.7	784.7	1033.2	1182.3	1514.0	6011.9	10252.1	10344.6	8067.9	7159.5
72.5°	480.8	502.7	577.8	861.0	1125.6	1200.8	3773.3	9313.7	9663.9	8436.5	6815.1
75°	294.7	309.7	353.6	653.0	1117.6	1174.2	2076.8	7632.2	8003.1	7795.1	5962.2
77.5°	208.0	206.9	215.0	382.5	968.5	1181.1	1280.5	5592.4	5953.0	5744.9	4046.1
80°	151.4	152.6	160.6	228.8	657.6	1200.8	1008.9	3745.6	3853.1	2995.5	1596.0
82.5°	91.3	95.9	115.6	154.9	395.2	1084.0	932.6	2081.4	1947.3	961.5	439.2
85°	48.5	48.5	68.2	98.2	210.3	809.0	898.0	990.4	829.8	298.2	163.0
87.5°	11.6	11.6	19.6	39.3	84.4	387.2	612.5	394.1	315.5	100.5	67.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P479947
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5	2416.5
2.5°	2443.1	2429.3	2446.6	2411.9	2384.2	2385.3	2342.6	2340.3	2334.5	2304.4	2314.8
5°	2470.9	2459.3	2439.7	2401.5	2340.3	2279.0	2242.0	2194.7	2175.0	2164.6	2169.2
7.5°	2497.4	2476.6	2420.0	2366.9	2272.1	2156.5	2089.5	2025.9	1945.0	1935.8	1919.6
10°	2504.4	2460.5	2387.7	2274.4	2148.4	2020.1	1867.6	1749.7	1687.3	1638.8	1620.3
12.5°	2494.0	2475.5	2335.6	2190.0	1999.3	1798.3	1620.3	1453.9	1338.3	1278.2	1262.0
15°	2492.8	2460.5	2277.9	2061.7	1817.9	1555.6	1302.5	1102.5	981.2	931.5	931.5
17.5°	2494.0	2416.5	2209.7	1932.3	1604.1	1249.3	970.8	806.7	739.6	732.7	738.5
20°	2470.9	2384.2	2138.0	1779.8	1336.0	938.4	705.0	637.9	637.9	647.2	650.7
22.5°	2450.1	2335.6	2024.8	1591.4	1063.2	679.5	573.2	553.6	575.5	591.7	598.6
25°	2421.2	2295.2	1909.2	1396.1	809.0	547.8	498.1	502.7	523.5	552.4	550.1
27.5°	2379.6	2224.7	1771.7	1169.6	602.1	472.7	460.0	462.3	484.2	496.9	494.6
30°	2332.2	2153.0	1644.5	944.2	477.3	433.4	432.2	438.0	441.5	448.4	447.3
32.5°	2272.1	2058.3	1509.3	733.9	429.9	411.4	406.8	403.3	406.8	405.6	402.2
35°	2229.3	2007.4	1371.8	559.4	403.3	391.8	388.3	382.5	377.9	371.0	369.8
37.5°	2217.8	1956.6	1227.3	456.5	382.5	376.8	365.2	354.8	349.0	345.6	343.2
40°	2210.8	1923.1	1086.3	401.0	365.2	359.4	345.6	331.7	325.9	322.4	323.6
42.5°	2235.1	1904.6	943.0	373.3	350.2	339.8	324.7	308.6	307.4	305.1	308.6
45°	2320.6	1927.7	810.1	353.6	335.1	317.8	298.2	290.1	288.9	286.6	288.9
47.5°	2514.8	1985.5	696.9	340.9	319.0	303.9	283.1	271.6	270.4	269.3	269.3
50°	2782.9	2163.5	602.1	325.9	308.6	287.8	268.1	255.4	253.1	248.5	248.5
52.5°	3203.6	2462.8	545.5	317.8	290.1	272.7	251.9	238.1	232.3	227.7	227.7
55°	3677.4	2833.8	535.1	303.9	270.4	254.3	235.8	221.9	216.1	210.3	208.0
57.5°	4217.1	3324.9	609.0	294.7	256.6	235.8	215.0	202.2	197.6	191.8	189.5
60°	4719.8	3814.9	839.0	280.8	243.9	218.4	197.6	184.9	179.1	173.4	173.4
62.5°	5301.1	4421.7	1228.5	280.8	232.3	199.9	179.1	169.9	166.4	160.6	159.5
65°	5988.8	5049.2	1512.8	298.2	228.8	183.8	161.8	152.6	149.1	145.6	144.5
67.5°	6512.3	5409.8	1301.3	344.4	243.9	169.9	144.5	138.7	136.4	132.9	130.6
70°	6567.8	5190.2	784.7	372.1	258.9	156.0	129.4	123.7	123.7	120.2	117.9
72.5°	6069.7	4605.4	528.2	331.7	234.6	139.8	114.4	109.8	107.5	105.2	104.0
75°	5079.3	3906.2	417.2	264.7	180.3	115.6	99.4	94.8	91.3	90.1	87.8
77.5°	3411.6	2539.0	308.6	206.9	132.9	93.6	83.2	78.6	75.1	74.0	70.5
80°	1310.6	967.3	198.8	150.2	93.6	74.0	65.9	61.3	58.9	55.5	53.2
82.5°	386.0	313.2	110.9	92.5	60.1	50.9	47.4	43.9	40.4	37.0	35.8
85°	159.5	143.3	68.2	48.5	37.0	30.0	27.7	24.3	20.8	18.5	16.2
87.5°	74.0	61.3	31.2	18.5	12.7	6.9	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)