

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: P476592

Luminaire Tested: **IFLD-S-SA2B-740-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476592
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-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

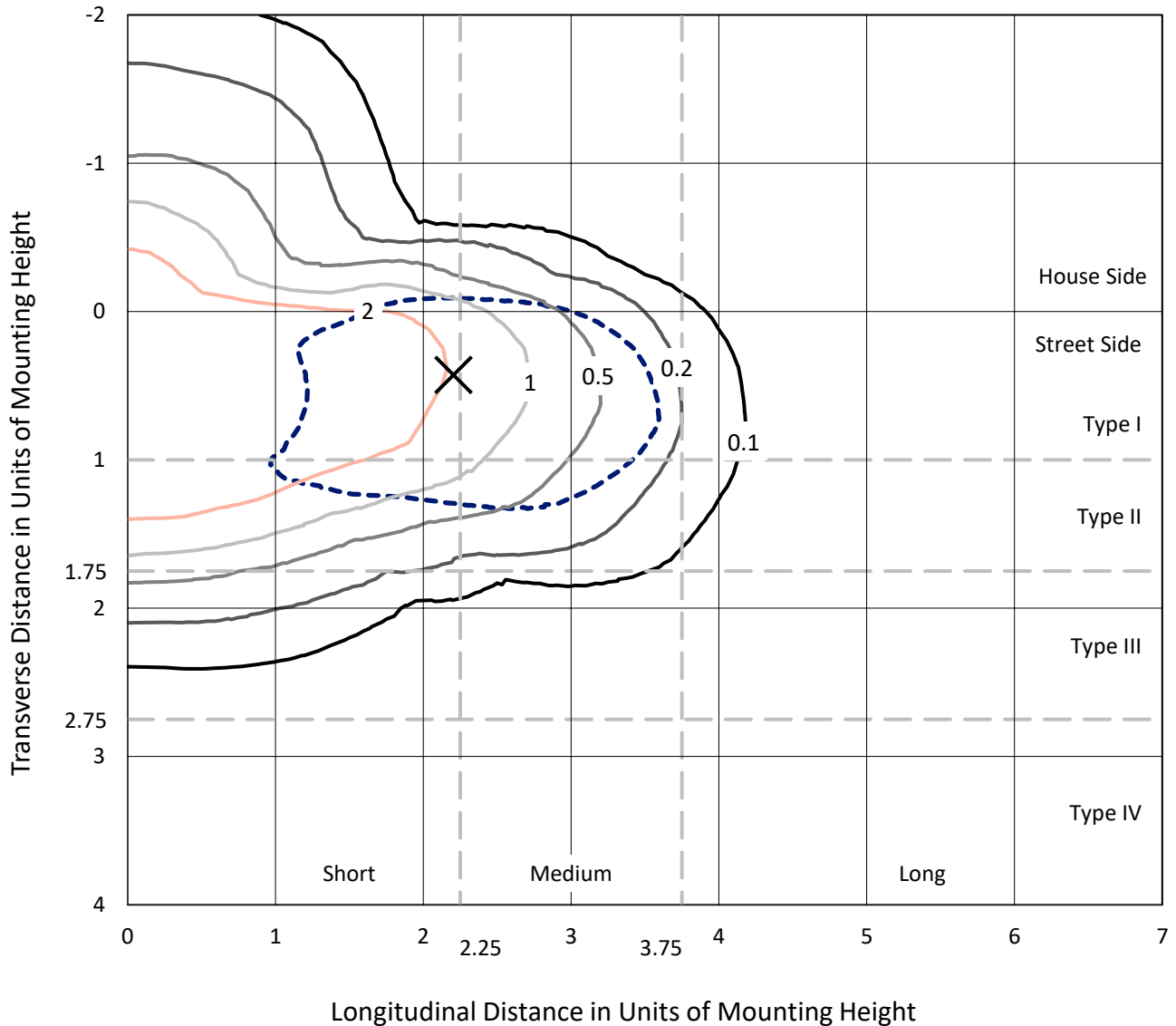
Lumens per Lamp: N/A
Luminaire Lumens: 11404 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 82.4
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

REPORT NUMBER: P476592
 CATALOG NUMBER: IFLD-S-SA2B-740-U-T2

Iso-Footcandle Lines of Horizontal Illumination

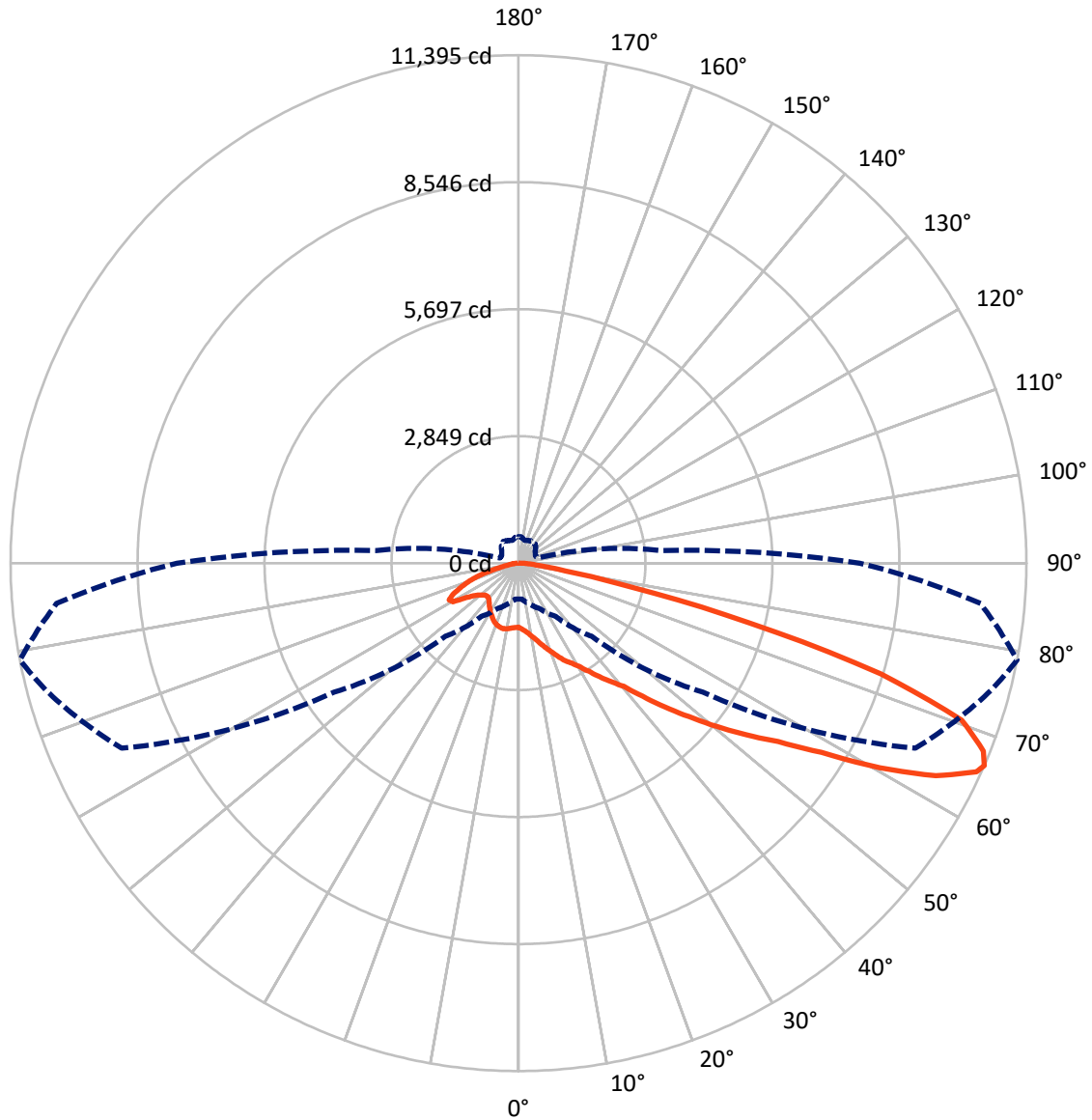
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Short - N/A

REPORT NUMBER: P476592
CATALOG NUMBER: IFLD-S-SA2B-740-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P476592

CATALOG NUMBER: IFLD-S-SA2B-740-U-T2

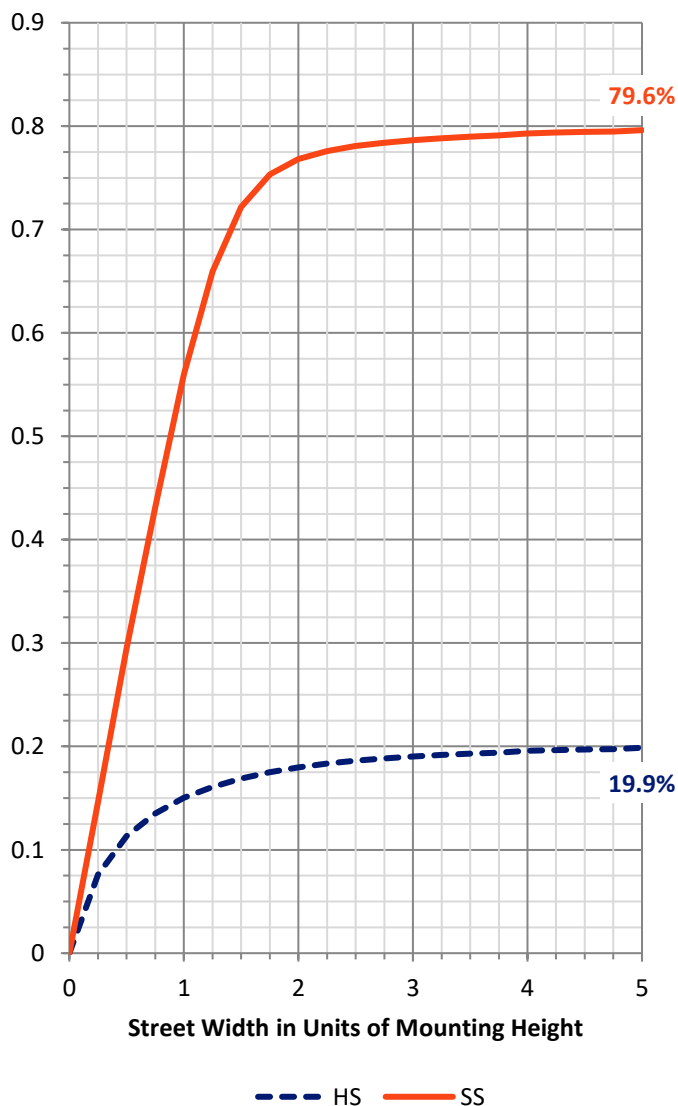
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2302.9	0.0	2302.9
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	9101.1	0.0	9101.1
	% Fixture	79.8	0.0	79.8
Total	Lumens	11404.0	0.0	11404.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	1.2
10°-20°	437.2	3.8
20°-30°	750.5	6.6
30°-40°	1159.4	10.2
40°-50°	1857.1	16.3
50°-60°	2772.8	24.3
60°-70°	2849.0	25.0
70°-80°	1262.9	11.1
80°-90°	173.3	1.5
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°	11404.0	100.0
0°-180°	11404.0	100.0

Coefficient of Utilization



REPORT NUMBER: P476592

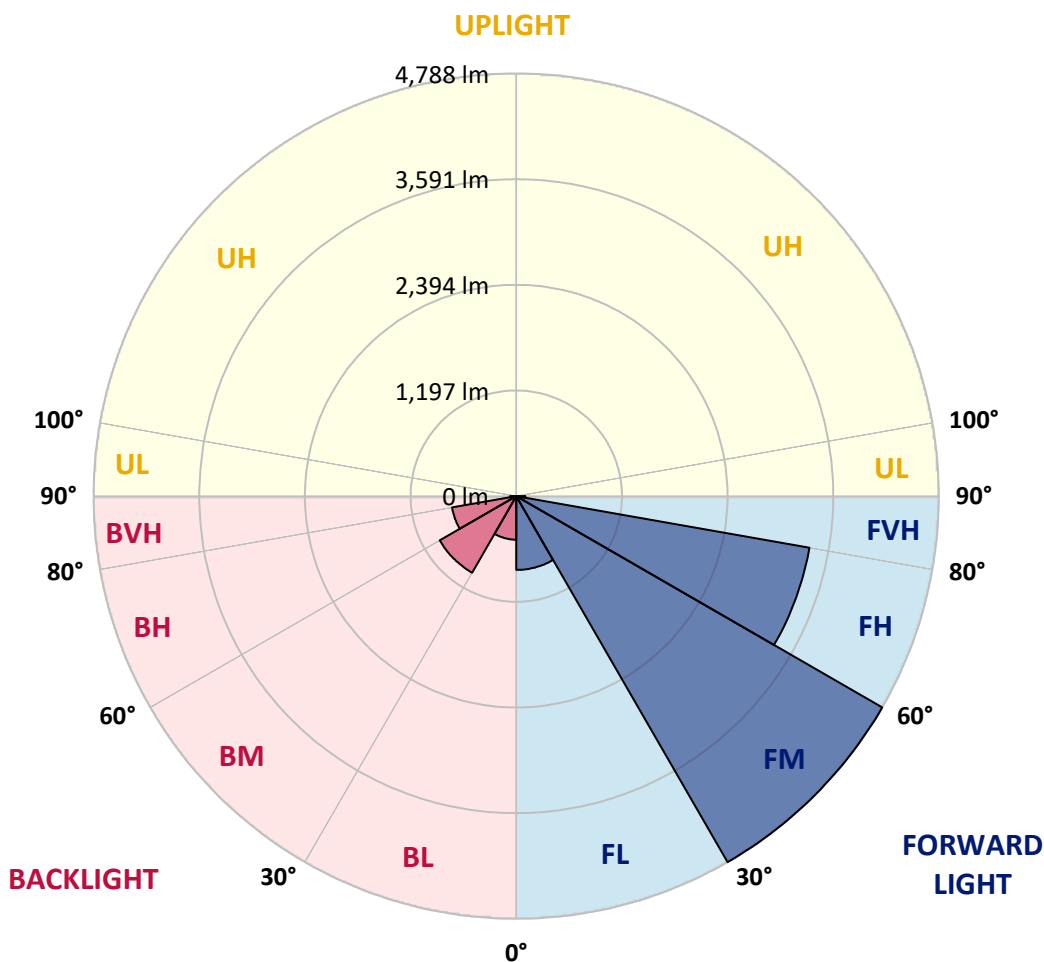
CATALOG NUMBER: IFLD-S-SA2B-740-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.0	7.3			
FM (30°-60°)	4788.2	42.0			
FH (60°-80°)	3373.0	29.6			G2/5000
FVH (80°-90°)	103.9	0.9			G2/225
BL (0°-30°)	493.4	4.3	B1/500		
BM (30°-60°)	1001.2	8.8	B2/2500		
BH (60°-80°)	738.9	6.5	B2/1000		G2/1000
BVH (80°-90°)	69.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P476592

CATALOG NUMBER: IFLD-S-SA2B-740-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0
2.5°	1531.6	1532.8	1532.8	1527.8	1529.1	1532.8	1519.0	1488.9	1488.9	1483.9	1475.1
5°	1625.7	1619.4	1610.6	1611.9	1606.8	1606.8	1591.8	1562.9	1537.8	1527.8	1501.5
7.5°	1638.2	1644.5	1643.2	1658.3	1665.8	1665.8	1673.3	1649.5	1611.9	1588.0	1561.7
10°	1663.3	1647.0	1645.7	1680.8	1692.1	1718.5	1748.6	1736.0	1704.7	1670.8	1635.7
12.5°	1678.3	1688.4	1688.4	1705.9	1732.3	1771.2	1823.8	1847.7	1798.8	1763.6	1709.7
15°	1700.9	1687.1	1727.3	1742.3	1792.5	1820.1	1895.3	1956.8	1924.2	1881.5	1796.2
17.5°	1710.9	1702.2	1724.7	1752.3	1837.6	1879.0	1970.6	2055.9	2028.3	2000.7	1912.9
20°	1762.4	1761.1	1771.2	1793.7	1855.2	1936.7	2050.9	2168.8	2178.8	2128.7	2009.5
22.5°	1887.8	1871.5	1871.5	1862.7	1889.1	1973.1	2127.4	2290.5	2335.6	2276.7	2118.6
25°	2003.2	2025.8	2012.0	1971.9	1961.8	2005.7	2182.6	2419.7	2479.9	2424.7	2266.6
27.5°	2151.2	2158.8	2182.6	2128.7	2059.7	2073.5	2242.8	2492.4	2616.6	2542.6	2350.7
30°	2364.5	2350.7	2345.7	2285.4	2195.1	2176.3	2311.8	2599.0	2796.0	2691.9	2449.8
32.5°	2508.7	2542.6	2541.3	2458.5	2349.4	2308.0	2397.1	2699.4	2987.9	2891.3	2632.9
35°	2794.7	2829.8	2802.2	2680.6	2552.6	2469.8	2520.0	2829.8	3207.4	3132.1	2788.4
37.5°	3159.7	3242.5	3183.6	2959.0	2778.4	2688.1	2690.6	2971.6	3431.9	3370.5	2955.3
40°	3411.9	3523.5	3442.0	3231.2	3039.3	2954.0	2920.2	3139.7	3700.4	3635.1	3216.2
42.5°	3724.2	3817.0	3774.4	3566.2	3341.6	3268.9	3201.1	3420.6	4110.5	4080.4	3551.1
45°	4065.4	4109.3	4095.5	3963.8	3714.2	3689.1	3539.8	3790.7	4593.5	4606.0	3970.1
47.5°	4382.7	4406.6	4432.9	4337.6	4182.0	4203.4	3929.9	4187.1	5062.6	5145.4	4436.7
50°	4464.3	4545.8	4607.3	4671.2	4705.1	4849.4	4360.2	4673.8	5602.0	5762.5	4956.0
52.5°	4381.5	4375.2	4562.1	4762.8	5101.5	5403.8	4945.9	5278.4	6078.6	6396.0	5431.4
55°	4005.2	3992.6	4293.7	4559.6	5220.7	5712.4	5782.6	6083.7	6654.4	7067.1	6074.9
57.5°	3346.6	3268.9	3597.5	4034.0	4962.3	5746.2	6623.0	7279.1	7540.0	8010.4	7057.0
60°	2249.1	2216.5	2531.3	3051.9	4029.0	5265.8	7126.0	8775.5	8788.1	9317.4	8581.1
62.5°	1384.8	1391.1	1593.0	1983.1	2821.1	4174.5	6909.0	9970.9	9973.4	10504.0	9835.5
65°	905.6	909.4	1072.5	1288.2	1762.4	2831.1	5713.6	10065.0	10797.5	11290.5	10410.0
66°	806.6	807.8	948.3	1123.9	1460.1	2316.8	5046.3	9820.4	10983.2	11394.6	10402.4
67.5°	679.9	696.2	809.1	944.5	1139.0	1664.5	4003.9	9112.9	10887.9	11249.1	10166.6
70°	531.8	540.6	629.7	767.7	854.2	963.4	2379.5	7428.3	9965.9	10551.7	9308.6
72.5°	426.5	434.0	501.7	623.4	693.7	634.7	1295.8	5390.0	7872.4	8497.0	7321.7
75°	360.0	361.3	393.9	490.5	570.7	476.7	689.9	3459.5	5051.3	5342.3	4485.6
77.5°	291.0	296.0	318.6	373.8	459.1	375.1	411.4	1938.0	2536.3	2557.6	2073.5
80°	237.1	239.6	253.4	272.2	350.0	277.2	278.5	945.8	1087.5	1062.4	842.9
82.5°	186.9	189.4	205.7	202.0	257.1	198.2	173.1	455.3	500.5	490.5	387.6
85°	105.4	105.4	161.8	161.8	163.1	125.4	105.4	214.5	264.7	247.1	181.9
87.5°	33.9	35.1	48.9	51.4	81.5	56.4	51.4	80.3	125.4	110.4	65.2
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: P476592
 CATALOG NUMBER: IFLD-S-SA2B-740-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0
2.5°	1470.1	1450.0	1441.3	1412.4	1404.9	1386.1	1377.3	1366.0	1362.2	1345.9	1361.0
5°	1481.4	1475.1	1440.0	1403.6	1376.0	1363.5	1344.7	1319.6	1317.1	1294.5	1292.0
7.5°	1529.1	1507.7	1446.3	1407.4	1352.2	1320.8	1279.4	1266.9	1250.6	1243.1	1259.4
10°	1603.1	1549.1	1457.6	1359.7	1292.0	1254.4	1224.3	1215.5	1216.7	1211.7	1204.2
12.5°	1655.8	1604.3	1438.8	1319.6	1231.8	1195.4	1192.9	1201.7	1215.5	1209.2	1218.0
15°	1731.0	1634.4	1425.0	1253.1	1182.9	1172.8	1171.6	1197.9	1196.7	1196.7	1195.4
17.5°	1801.3	1664.5	1374.8	1195.4	1131.4	1139.0	1147.7	1146.5	1159.0	1164.0	1172.8
20°	1890.3	1699.7	1304.5	1137.7	1092.5	1090.0	1088.8	1090.0	1102.6	1110.1	1103.8
22.5°	1968.1	1707.2	1245.6	1082.5	1046.1	1036.1	1019.8	1036.1	1029.8	1032.3	1039.9
25°	2035.8	1708.4	1161.5	1041.1	999.7	977.1	964.6	963.4	952.1	950.8	950.8
27.5°	2092.3	1665.8	1087.5	983.4	944.5	923.2	922.0	908.2	879.3	860.5	863.0
30°	2136.2	1633.2	1036.1	933.2	895.6	891.9	880.6	849.2	811.6	787.7	787.7
32.5°	2213.9	1568.0	965.9	881.8	863.0	858.0	831.6	804.0	768.9	746.3	742.6
35°	2271.6	1507.7	919.4	837.9	829.1	819.1	796.5	766.4	756.4	751.4	755.1
37.5°	2336.9	1440.0	863.0	800.3	809.1	790.2	763.9	750.1	785.2	776.5	780.2
40°	2441.0	1392.3	807.8	777.7	786.5	765.2	731.3	726.3	770.2	738.8	731.3
42.5°	2631.7	1391.1	773.9	743.8	750.1	733.8	703.7	701.2	718.7	681.1	669.8
45°	2868.7	1435.0	748.9	718.7	713.7	711.2	701.2	689.9	674.8	625.9	613.4
47.5°	3152.2	1506.5	743.8	681.1	687.4	708.7	696.2	667.3	628.4	597.1	590.8
50°	3495.9	1654.5	731.3	653.5	664.8	698.7	688.6	648.5	613.4	593.3	589.6
52.5°	3876.0	1841.4	715.0	610.9	636.0	689.9	694.9	657.3	605.9	588.3	585.8
55°	4323.8	2117.4	696.2	564.5	602.1	681.1	694.9	632.2	595.8	595.8	593.3
57.5°	5208.1	2614.1	657.3	521.8	572.0	664.8	674.8	633.5	597.1	597.1	592.1
60°	6505.1	3389.3	583.3	489.2	543.1	642.2	659.8	614.6	583.3	590.8	589.6
62.5°	7519.9	3625.1	520.6	457.8	514.3	600.8	639.7	594.6	567.0	594.6	597.1
65°	7736.9	3386.8	456.6	424.0	474.1	560.7	610.9	565.7	543.1	597.1	599.6
66°	7659.1	3201.1	434.0	413.9	456.6	540.6	593.3	555.7	530.6	594.6	595.8
67.5°	7312.9	2922.7	408.9	392.6	432.8	511.8	573.2	541.9	510.5	587.0	575.8
70°	6560.3	2478.6	366.3	355.0	398.9	464.1	526.8	506.8	479.2	540.6	520.6
72.5°	5052.6	1980.6	321.1	322.4	360.0	415.2	480.4	466.6	442.8	474.1	461.6
75°	3077.0	1265.7	279.7	282.2	313.6	368.8	436.5	426.5	397.6	415.2	408.9
77.5°	1363.5	627.2	235.8	240.8	265.9	324.9	380.1	363.8	333.7	337.4	334.9
80°	529.3	297.3	191.9	198.2	214.5	259.7	314.8	299.8	273.5	268.4	265.9
82.5°	254.6	165.6	148.0	150.5	156.8	207.0	270.9	252.1	217.0	194.4	194.4
85°	127.9	102.9	104.1	95.3	104.1	140.5	183.1	153.0	126.7	112.9	115.4
87.5°	51.4	51.4	51.4	43.9	46.4	66.5	85.3	57.7	52.7	31.4	31.4
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)