

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: P476441

Luminaire Tested: **IFLD-S-SA3B-722-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476441
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-722-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

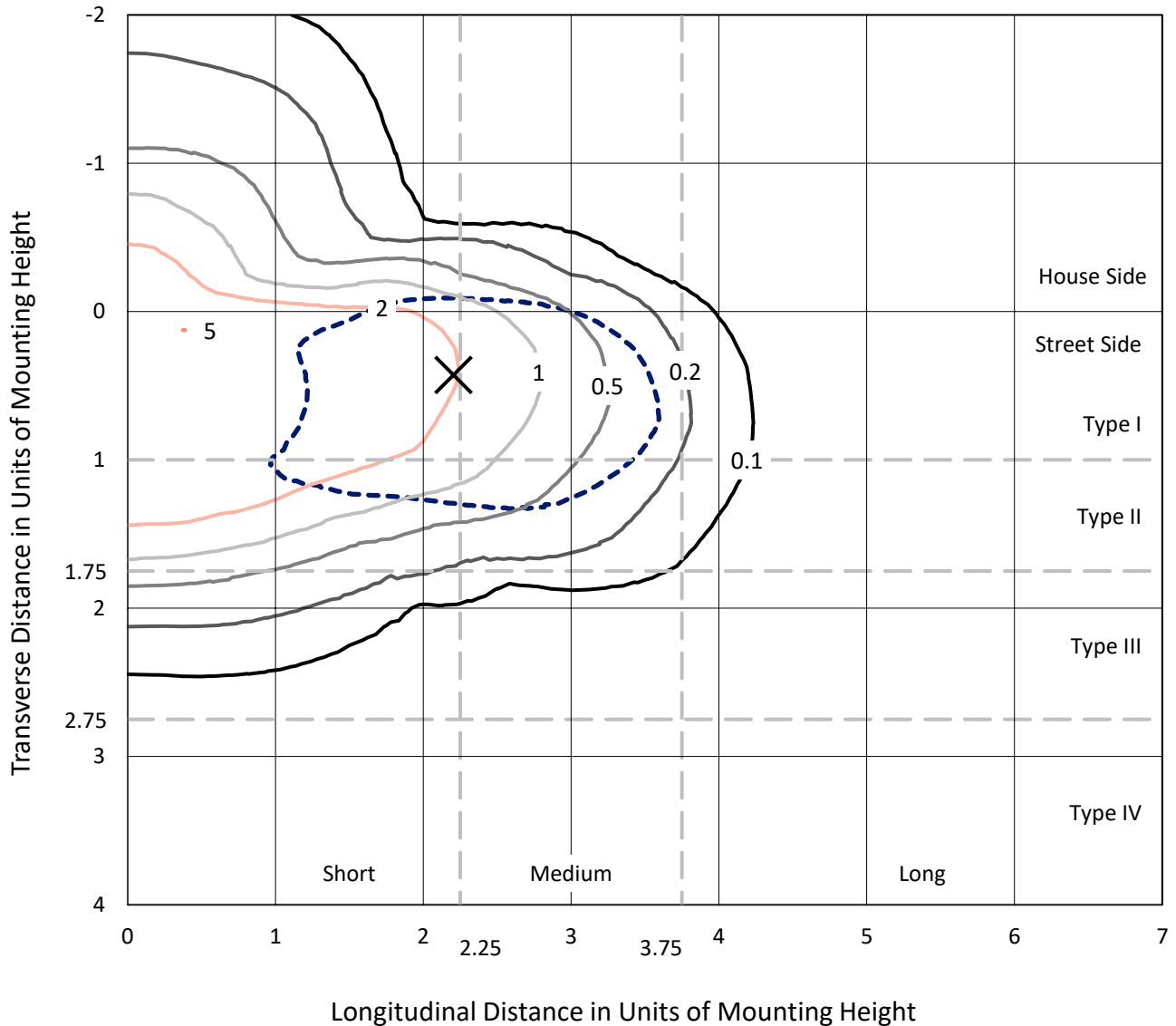
Lumens per Lamp: N/A
Luminaire Lumens: 12518.8 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 122.4
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

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Iso-Footcandle Lines of Horizontal Illumination

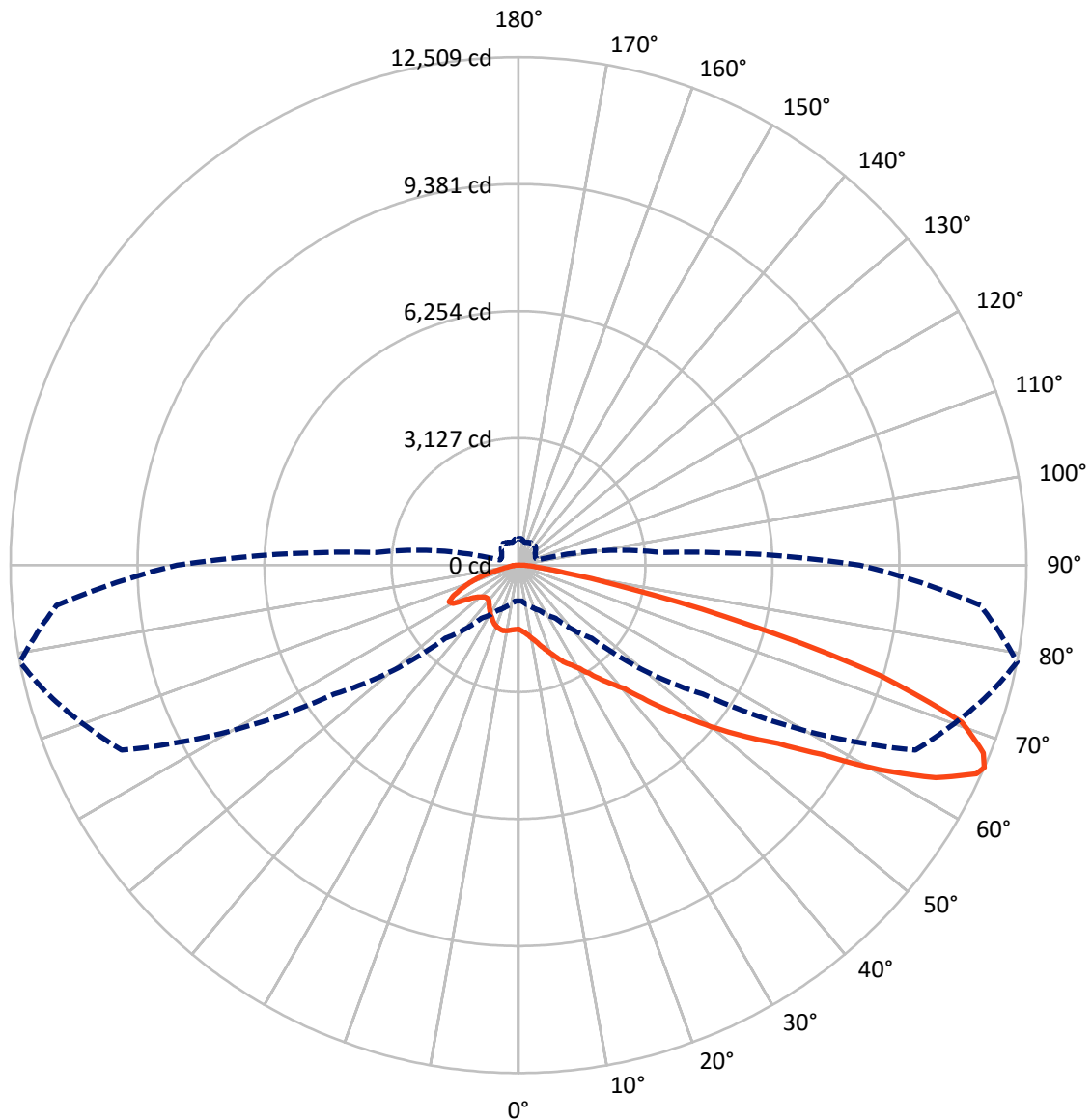
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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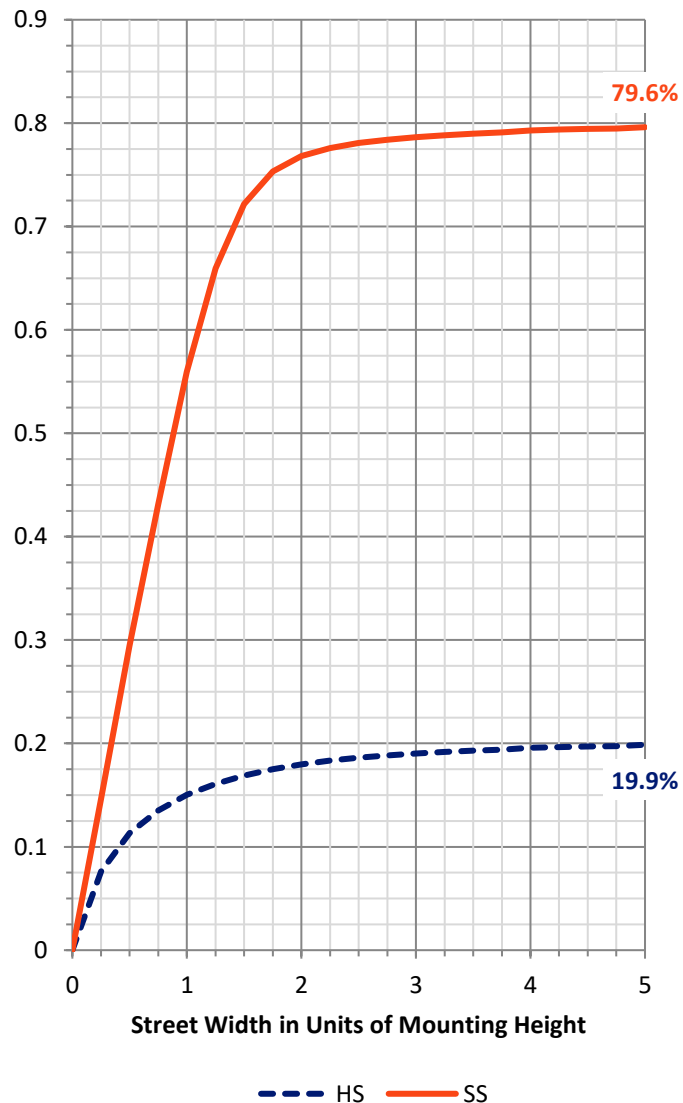
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2528.0	0.0	2528.0
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	9990.8	0.0	9990.8
	% Fixture	79.8	0.0	79.8
Total	Lumens	12518.8	0.0	12518.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	1.2
10°-20°	480.0	3.8
20°-30°	823.9	6.6
30°-40°	1272.8	10.2
40°-50°	2038.6	16.3
50°-60°	3043.8	24.3
60°-70°	3127.6	25.0
70°-80°	1386.4	11.1
80°-90°	190.2	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°	12518.8	100.0
0°-180°	12518.8	100.0

Coefficient of Utilization



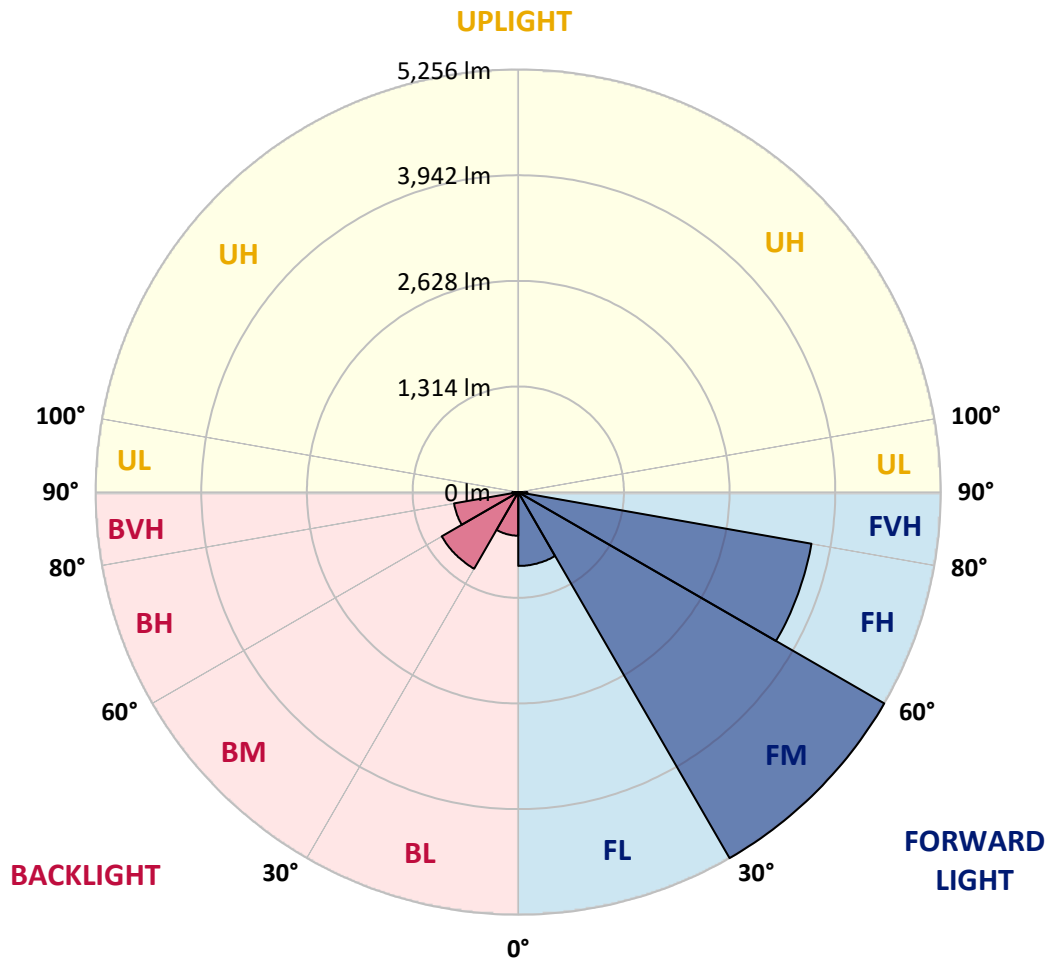
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.7	7.3			
FM (30°-60°)	5256.2	42.0			
FH (60°-80°)	3702.8	29.6			G2/5000
FVH (80°-90°)	114.1	0.9			G2/225
BL (0°-30°)	541.6	4.3	B2/1000		
BM (30°-60°)	1099.0	8.8	B2/2500		
BH (60°-80°)	811.2	6.5	B2/1000		G2/1000
BVH (80°-90°)	76.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8
2.5°	1681.3	1682.7	1682.7	1677.2	1678.5	1682.7	1667.5	1634.5	1634.5	1629.0	1619.3
5°	1784.6	1777.7	1768.0	1769.4	1763.9	1763.9	1747.4	1715.7	1688.2	1677.2	1648.2
7.5°	1798.3	1805.2	1803.8	1820.4	1828.6	1828.6	1836.9	1810.7	1769.4	1743.3	1714.3
10°	1825.9	1808.0	1806.6	1845.2	1857.5	1886.5	1919.5	1905.7	1871.3	1834.1	1795.6
12.5°	1842.4	1853.4	1853.4	1872.7	1901.6	1944.3	2002.1	2028.3	1974.6	1936.0	1876.8
15°	1867.2	1852.0	1896.1	1912.6	1967.7	1998.0	2080.6	2148.1	2112.3	2065.5	1971.8
17.5°	1878.2	1868.6	1893.3	1923.6	2017.3	2062.7	2163.2	2256.9	2226.6	2196.3	2099.9
20°	1934.7	1933.3	1944.3	1969.1	2036.6	2126.1	2251.4	2380.8	2391.8	2336.7	2205.9
22.5°	2072.4	2054.5	2054.5	2044.8	2073.7	2166.0	2335.4	2514.4	2563.9	2499.2	2325.7
25°	2199.0	2223.8	2208.7	2164.6	2153.6	2201.8	2395.9	2656.2	2722.3	2661.7	2488.2
27.5°	2361.5	2369.8	2395.9	2336.7	2261.0	2276.1	2462.0	2736.1	2872.4	2791.1	2580.5
30°	2595.6	2580.5	2575.0	2508.9	2409.7	2389.1	2537.8	2853.1	3069.3	2955.0	2689.2
32.5°	2754.0	2791.1	2789.8	2698.9	2579.1	2533.6	2631.4	2963.3	3280.0	3173.9	2890.3
35°	3067.9	3106.5	3076.2	2942.6	2802.2	2711.3	2766.4	3106.5	3520.9	3438.3	3061.0
37.5°	3468.6	3559.5	3494.8	3248.3	3050.0	2950.9	2953.6	3262.1	3767.4	3699.9	3244.2
40°	3745.4	3867.9	3778.4	3547.1	3336.4	3242.8	3205.6	3446.6	4062.1	3990.5	3530.6
42.5°	4088.3	4190.1	4143.3	3914.8	3668.3	3588.4	3514.1	3755.0	4512.4	4479.3	3898.2
45°	4462.8	4511.0	4495.8	4351.3	4077.2	4049.7	3885.8	4161.2	5042.5	5056.3	4358.1
47.5°	4811.2	4837.3	4866.2	4761.6	4590.8	4614.3	4314.1	4596.4	5557.5	5648.4	4870.4
50°	4900.7	4990.2	5057.6	5127.9	5165.0	5323.4	4786.4	5130.6	6149.6	6325.8	5440.4
52.5°	4809.8	4802.9	5008.1	5228.4	5600.2	5932.0	5429.4	5794.3	6672.8	7021.2	5962.3
55°	4396.7	4382.9	4713.4	5005.3	5731.0	6270.8	6347.9	6678.3	7304.9	7757.9	6668.7
57.5°	3673.8	3588.4	3949.2	4428.4	5447.3	6307.9	7270.4	7990.6	8277.0	8793.4	7746.9
60°	2468.9	2433.1	2778.7	3350.2	4422.9	5780.6	7822.6	9633.3	9647.1	10228.2	9419.9
62.5°	1520.2	1527.1	1748.8	2177.0	3096.8	4582.6	7584.4	10945.6	10948.4	11530.8	10796.9
65°	994.2	998.3	1177.3	1414.2	1934.7	3107.8	6272.1	11048.9	11853.0	12394.2	11427.5
66°	885.4	886.8	1041.0	1233.8	1602.8	2543.3	5539.6	10780.4	12056.8	12508.5	11419.3
67.5°	746.3	764.2	888.2	1036.9	1250.3	1827.3	4395.3	10003.8	11952.2	12348.7	11160.4
70°	583.8	593.5	691.2	842.7	937.7	1057.5	2612.1	8154.5	10940.1	11583.1	10218.6
72.5°	468.2	476.4	550.8	684.4	761.5	696.8	1422.4	5916.9	8641.9	9327.7	8037.4
75°	395.2	396.6	432.4	538.4	626.5	523.3	757.3	3797.7	5545.1	5864.6	4924.1
77.5°	319.5	325.0	349.8	410.3	504.0	411.7	451.6	2127.4	2784.3	2807.7	2276.1
80°	260.2	263.0	278.1	298.8	384.2	304.3	305.7	1038.2	1193.8	1166.3	925.3
82.5°	205.2	207.9	225.8	221.7	282.3	217.6	190.0	499.8	549.4	538.4	425.5
85°	115.7	115.7	177.6	177.6	179.0	137.7	115.7	235.5	290.5	271.3	199.7
87.5°	37.2	38.6	53.7	56.5	89.5	62.0	56.5	88.1	137.7	121.2	71.6
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°	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8
2.5°	1613.8	1591.8	1582.1	1550.5	1542.2	1521.6	1511.9	1499.5	1495.4	1477.5	1494.0
5°	1626.2	1619.3	1580.8	1540.8	1510.5	1496.8	1476.1	1448.6	1445.8	1421.0	1418.3
7.5°	1678.5	1655.1	1587.7	1545.0	1484.4	1450.0	1404.5	1390.7	1372.8	1364.6	1382.5
10°	1759.8	1700.6	1600.0	1492.6	1418.3	1377.0	1343.9	1334.3	1335.7	1330.2	1321.9
12.5°	1817.6	1761.2	1579.4	1448.6	1352.2	1312.3	1309.5	1319.1	1334.3	1327.4	1337.0
15°	1900.2	1794.2	1564.2	1375.6	1298.5	1287.5	1286.1	1315.0	1313.6	1313.6	1312.3
17.5°	1977.3	1827.3	1509.2	1312.3	1242.0	1250.3	1259.9	1258.6	1272.3	1277.8	1287.5
20°	2075.1	1865.8	1432.1	1248.9	1199.3	1196.6	1195.2	1196.6	1210.4	1218.6	1211.7
22.5°	2160.5	1874.1	1367.3	1188.3	1148.4	1137.4	1119.5	1137.4	1130.5	1133.3	1141.5
25°	2234.8	1875.4	1275.1	1142.9	1097.5	1072.7	1058.9	1057.5	1045.1	1043.8	1043.8
27.5°	2296.8	1828.6	1193.8	1079.6	1036.9	1013.5	1012.1	996.9	965.3	944.6	947.4
30°	2345.0	1792.8	1137.4	1024.5	983.2	979.0	966.6	932.2	890.9	864.7	864.7
32.5°	2430.4	1721.2	1060.3	968.0	947.4	941.9	912.9	882.6	844.1	819.3	815.2
35°	2493.7	1655.1	1009.3	919.8	910.2	899.2	874.4	841.3	830.3	824.8	828.9
37.5°	2565.3	1580.8	947.4	878.5	888.2	867.5	838.6	823.4	862.0	852.4	856.5
40°	2679.6	1528.4	886.8	853.7	863.4	840.0	802.8	797.3	845.5	811.0	802.8
42.5°	2888.9	1527.1	849.6	816.5	823.4	805.5	772.5	769.7	789.0	747.7	735.3
45°	3149.2	1575.3	822.1	789.0	783.5	780.7	769.7	757.3	740.8	687.1	673.3
47.5°	3460.3	1653.8	816.5	747.7	754.6	778.0	764.2	732.6	689.9	655.4	648.6
50°	3837.6	1816.2	802.8	717.4	729.8	767.0	756.0	711.9	673.3	651.3	647.2
52.5°	4254.9	2021.4	784.9	670.6	698.1	757.3	762.8	721.5	665.1	645.8	643.0
55°	4746.4	2324.3	764.2	619.6	660.9	747.7	762.8	694.0	654.1	654.1	651.3
57.5°	5717.2	2869.6	721.5	572.8	627.9	729.8	740.8	695.4	655.4	655.4	649.9
60°	7141.0	3720.6	640.3	537.0	596.2	705.0	724.3	674.7	640.3	648.6	647.2
62.5°	8255.0	3979.5	571.4	502.6	564.6	659.6	702.3	652.7	622.4	652.7	655.4
65°	8493.2	3717.8	501.2	465.4	520.5	615.5	670.6	621.0	596.2	655.4	658.2
66°	8407.8	3514.1	476.4	454.4	501.2	593.5	651.3	610.0	582.5	652.7	654.1
67.5°	8027.8	3208.4	448.9	431.0	475.1	561.8	629.3	594.9	560.4	644.4	632.0
70°	7201.6	2720.9	402.1	389.7	437.9	509.5	578.3	556.3	526.0	593.5	571.4
72.5°	5546.5	2174.2	352.5	353.9	395.2	455.8	527.4	512.2	486.1	520.5	506.7
75°	3377.7	1389.4	307.1	309.8	344.2	404.8	479.2	468.2	436.5	455.8	448.9
77.5°	1496.8	688.5	258.9	264.4	291.9	356.6	417.2	399.3	366.3	370.4	367.7
80°	581.1	326.3	210.7	217.6	235.5	285.0	345.6	329.1	300.2	294.7	291.9
82.5°	279.5	181.8	162.5	165.2	172.1	227.2	297.4	276.8	238.2	213.4	213.4
85°	140.5	112.9	114.3	104.7	114.3	154.2	201.0	168.0	139.1	123.9	126.7
87.5°	56.5	56.5	56.5	48.2	50.9	73.0	93.6	63.3	57.8	34.4	34.4
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)