

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: P476597

Luminaire Tested: **IFLD-S-SA3B-740-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476597
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-740-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

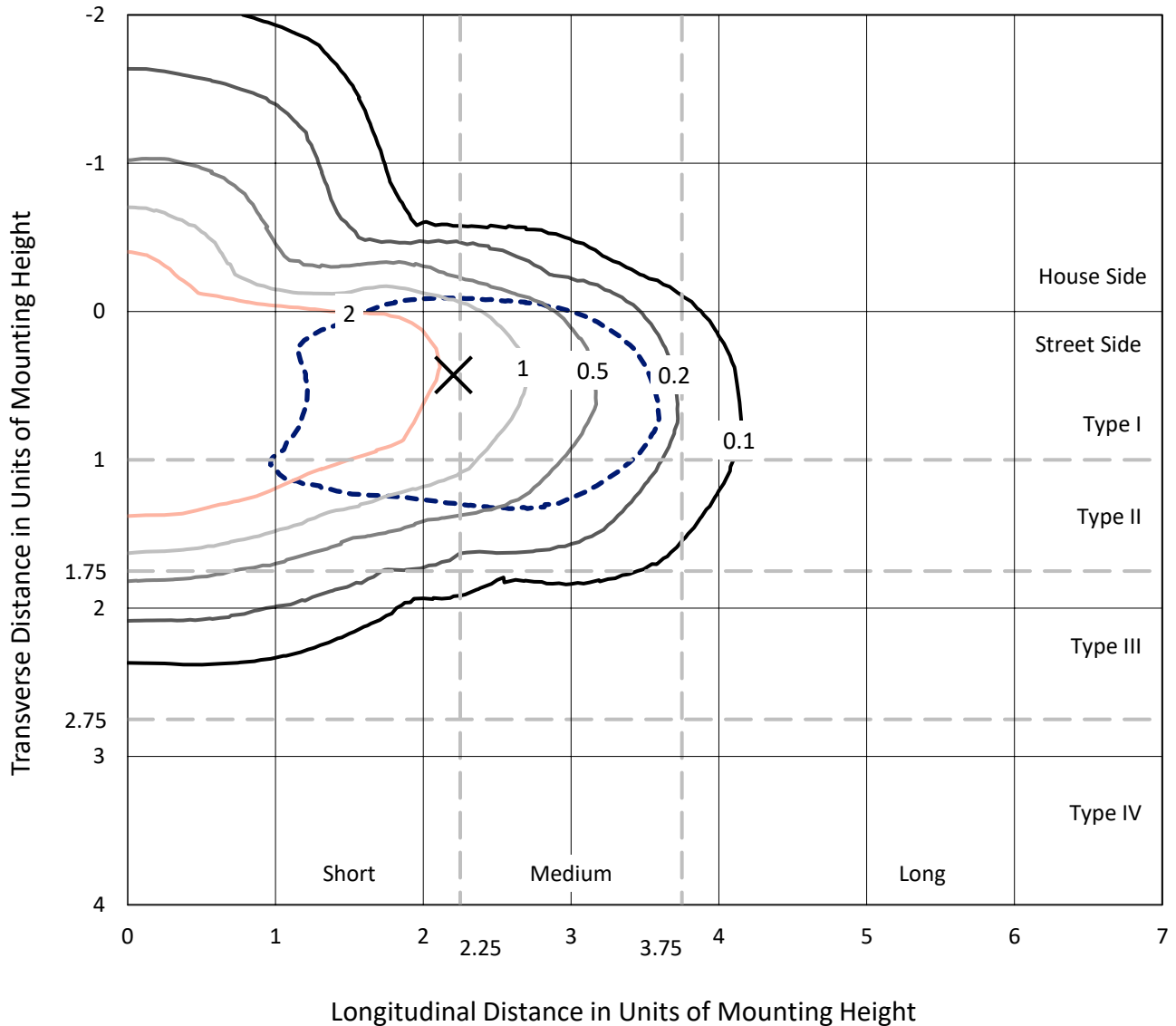
Lumens per Lamp: N/A
Luminaire Lumens: 16995.3 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

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

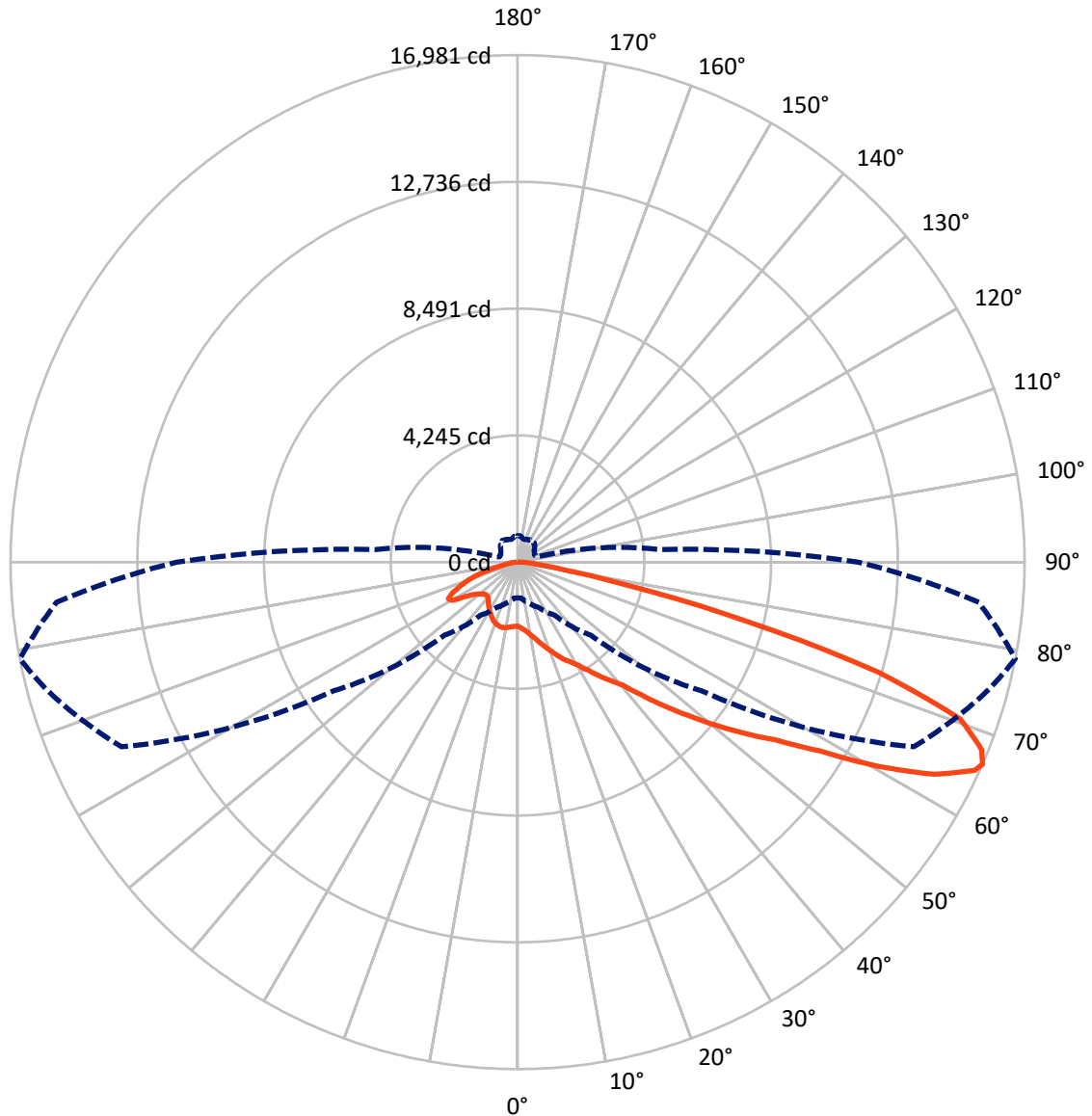
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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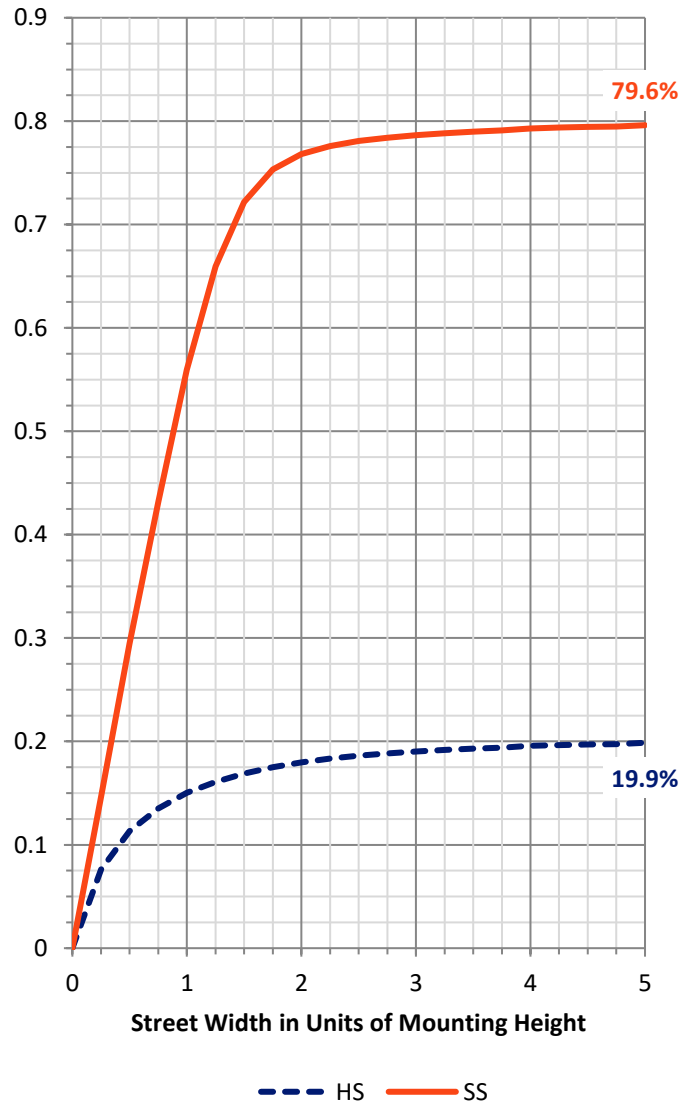
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3432.0	0.0	3432.0
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	13563.4	0.0	13563.4
	% Fixture	79.8	0.0	79.8
Total	Lumens	16995.3	0.0	16995.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	1.2
10°-20°	651.6	3.8
20°-30°	1118.5	6.6
30°-40°	1727.9	10.2
40°-50°	2767.6	16.3
50°-60°	4132.3	24.3
60°-70°	4245.9	25.0
70°-80°	1882.2	11.1
80°-90°	258.2	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°	16995.3	100.0
0°-180°	16995.3	100.0

Coefficient of Utilization



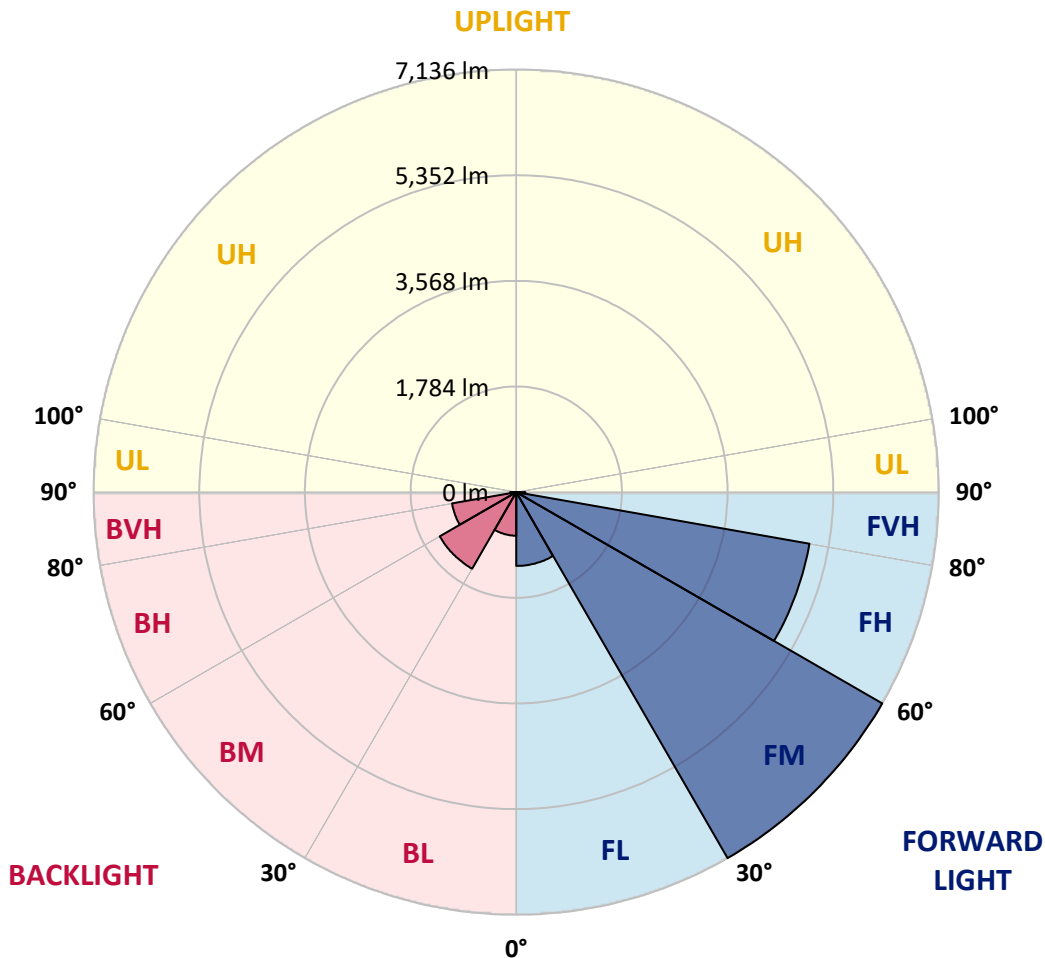
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1245.9	7.3			
FM (30°-60°)	7135.8	42.0			
FH (60°-80°)	5026.8	29.6			G3/7500
FVH (80°-90°)	154.9	0.9			G2/225
BL (0°-30°)	735.3	4.3	B2/1000		
BM (30°-60°)	1492.1	8.8	B2/2500		
BH (60°-80°)	1101.3	6.5	B3/2500		G3/2500
BVH (80°-90°)	103.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0
2.5°	2282.5	2284.4	2284.4	2276.9	2278.8	2284.4	2263.8	2218.9	2218.9	2211.5	2198.4
5°	2422.7	2413.4	2400.3	2402.1	2394.7	2394.7	2372.2	2329.2	2291.8	2276.9	2237.6
7.5°	2441.4	2450.7	2448.9	2471.3	2482.5	2482.5	2493.7	2458.2	2402.1	2366.6	2327.4
10°	2478.8	2454.5	2452.6	2505.0	2521.8	2561.0	2605.9	2587.2	2540.5	2490.0	2437.7
12.5°	2501.2	2516.2	2516.2	2542.3	2581.6	2639.6	2718.1	2753.6	2680.7	2628.3	2548.0
15°	2534.9	2514.3	2574.1	2596.6	2671.3	2712.5	2824.6	2916.2	2867.6	2804.1	2676.9
17.5°	2549.8	2536.7	2570.4	2611.5	2738.6	2800.3	2936.8	3063.9	3022.8	2981.6	2850.8
20°	2626.5	2624.6	2639.6	2673.2	2764.8	2886.3	3056.4	3232.1	3247.1	3172.3	2994.7
22.5°	2813.4	2789.1	2789.1	2776.0	2815.3	2940.5	3170.5	3413.5	3480.8	3392.9	3157.4
25°	2985.4	3019.0	2998.5	2938.7	2923.7	2989.1	3252.7	3606.0	3695.7	3613.5	3378.0
27.5°	3206.0	3217.2	3252.7	3172.3	3069.5	3090.1	3342.4	3714.4	3899.5	3789.2	3503.2
30°	3523.8	3503.2	3495.7	3406.0	3271.4	3243.4	3445.3	3873.3	4166.8	4011.7	3650.9
32.5°	3738.7	3789.2	3787.3	3664.0	3501.3	3439.6	3572.4	4022.9	4452.8	4308.9	3923.8
35°	4165.0	4217.3	4176.2	3994.8	3804.2	3680.8	3755.6	4217.3	4780.0	4667.8	4155.6
37.5°	4708.9	4832.3	4744.5	4409.8	4140.7	4006.1	4009.8	4428.5	5114.6	5023.0	4404.2
40°	5084.7	5251.1	5129.6	4815.5	4529.5	4402.4	4351.9	4679.0	5514.6	5417.4	4793.1
42.5°	5550.2	5688.5	5624.9	5314.6	4980.0	4871.6	4770.6	5097.8	6125.9	6081.1	5292.2
45°	6058.6	6124.1	6103.5	5907.2	5535.2	5497.8	5275.4	5649.2	6845.6	6864.3	5916.6
47.5°	6531.6	6567.1	6606.4	6464.3	6232.5	6264.3	5856.7	6240.0	7544.8	7668.2	6612.0
50°	6653.1	6774.6	6866.2	6961.5	7012.0	7227.0	6497.9	6965.3	8348.6	8587.9	7385.9
52.5°	6529.7	6520.4	6798.9	7098.0	7602.7	8053.3	7370.9	7866.3	9059.0	9531.9	8094.4
55°	5968.9	5950.2	6398.9	6795.2	7780.3	8513.1	8617.8	9066.5	9917.0	10532.0	9053.4
57.5°	4987.5	4871.6	5361.4	6011.9	7395.2	8563.6	9870.3	10848.0	11236.8	11937.8	10517.1
60°	3351.8	3303.2	3772.4	4548.2	6004.4	7847.6	10619.9	13078.1	13096.8	13885.7	12788.4
62.5°	2063.8	2073.1	2374.1	2955.5	4204.2	6221.3	10296.5	14859.6	14863.4	15654.1	14657.7
65°	1349.7	1355.3	1598.3	1919.8	2626.5	4219.2	8515.0	14999.8	16091.6	16826.2	15513.9
66°	1202.0	1203.9	1413.2	1675.0	2175.9	3452.7	7520.5	14635.3	16368.2	16981.4	15502.7
67.5°	1013.2	1037.5	1205.7	1407.6	1697.4	2480.7	5967.0	13581.0	16226.1	16764.5	15151.3
70°	792.6	805.7	938.4	1144.1	1273.0	1435.7	3546.2	11070.4	14852.2	15725.2	13872.6
72.5°	635.6	646.8	747.7	929.1	1033.8	945.9	1931.1	8032.7	11732.2	12663.1	10911.5
75°	536.5	538.4	587.0	730.9	850.6	710.4	1028.2	5155.7	7528.0	7961.7	6684.9
77.5°	433.7	441.2	474.8	557.1	684.2	558.9	613.2	2888.2	3779.9	3811.6	3090.1
80°	353.3	357.0	377.6	405.7	521.6	413.1	415.0	1409.5	1620.7	1583.4	1256.2
82.5°	278.5	282.3	306.6	301.0	383.2	295.4	258.0	678.6	745.9	730.9	577.6
85°	157.0	157.0	241.1	241.1	243.0	186.9	157.0	319.7	394.4	368.3	271.1
87.5°	50.5	52.3	72.9	76.6	121.5	84.1	76.6	119.6	186.9	164.5	97.2
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°	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0	2146.0
2.5°	2190.9	2161.0	2147.9	2104.9	2093.7	2065.7	2052.6	2035.7	2030.1	2005.8	2028.3
5°	2207.7	2198.4	2146.0	2091.8	2050.7	2032.0	2004.0	1966.6	1962.8	1929.2	1925.5
7.5°	2278.8	2247.0	2155.4	2097.4	2015.2	1968.4	1906.8	1888.1	1863.8	1852.5	1876.8
10°	2389.1	2308.7	2172.2	2026.4	1925.5	1869.4	1824.5	1811.4	1813.3	1805.8	1794.6
12.5°	2467.6	2390.9	2144.2	1966.6	1835.7	1781.5	1777.8	1790.9	1811.4	1802.1	1815.2
15°	2579.7	2435.8	2123.6	1867.5	1762.8	1747.9	1746.0	1785.2	1783.4	1783.4	1781.5
17.5°	2684.4	2480.7	2048.8	1781.5	1686.2	1697.4	1710.5	1708.6	1727.3	1734.8	1747.9
20°	2817.1	2533.0	1944.1	1695.5	1628.2	1624.5	1622.6	1624.5	1643.2	1654.4	1645.0
22.5°	2933.0	2544.2	1856.3	1613.3	1559.1	1544.1	1519.8	1544.1	1534.8	1538.5	1549.7
25°	3034.0	2546.1	1731.0	1551.6	1489.9	1456.2	1437.5	1435.7	1418.9	1417.0	1417.0
27.5°	3118.1	2482.5	1620.7	1465.6	1407.6	1375.9	1374.0	1353.4	1310.4	1282.4	1286.1
30°	3183.5	2433.9	1544.1	1390.8	1334.7	1329.1	1312.3	1265.6	1209.5	1174.0	1174.0
32.5°	3299.4	2336.7	1439.4	1314.2	1286.1	1278.7	1239.4	1198.3	1145.9	1112.3	1106.7
35°	3385.4	2247.0	1370.2	1248.7	1235.7	1220.7	1187.1	1142.2	1127.2	1119.8	1125.4
37.5°	3482.6	2146.0	1286.1	1192.7	1205.7	1177.7	1138.4	1117.9	1170.2	1157.1	1162.7
40°	3637.8	2075.0	1203.9	1159.0	1172.1	1140.3	1089.8	1082.4	1147.8	1101.1	1089.8
42.5°	3921.9	2073.1	1153.4	1108.5	1117.9	1093.6	1048.7	1045.0	1071.1	1015.1	998.2
45°	4275.3	2138.6	1116.0	1071.1	1063.7	1059.9	1045.0	1028.2	1005.7	932.8	914.1
47.5°	4697.7	2245.1	1108.5	1015.1	1024.4	1056.2	1037.5	994.5	936.6	889.8	880.5
50°	5209.9	2465.7	1089.8	973.9	990.8	1041.2	1026.3	966.5	914.1	884.2	878.6
52.5°	5776.4	2744.2	1065.5	910.4	947.8	1028.2	1035.6	979.6	902.9	876.7	873.0
55°	6443.7	3155.5	1037.5	841.2	897.3	1015.1	1035.6	942.2	888.0	888.0	884.2
57.5°	7761.6	3895.8	979.6	777.7	852.4	990.8	1005.7	944.0	889.8	889.8	882.3
60°	9694.6	5051.0	869.3	729.1	809.4	957.1	983.3	916.0	869.3	880.5	878.6
62.5°	11206.9	5402.5	775.8	682.3	766.4	895.4	953.4	886.1	845.0	886.1	889.8
65°	11530.3	5047.3	680.5	631.8	706.6	835.6	910.4	843.1	809.4	889.8	893.6
66°	11414.4	4770.6	646.8	616.9	680.5	805.7	884.2	828.1	790.7	886.1	888.0
67.5°	10898.4	4355.6	609.4	585.1	644.9	762.7	854.3	807.6	760.8	874.9	858.0
70°	9776.8	3693.9	545.9	529.0	594.5	691.7	785.1	755.2	714.1	805.7	775.8
72.5°	7529.8	2951.7	478.6	480.4	536.5	618.8	716.0	695.4	659.9	706.6	687.9
75°	4585.6	1886.2	416.9	420.6	467.3	549.6	650.5	635.6	592.6	618.8	609.4
77.5°	2032.0	934.7	351.4	358.9	396.3	484.2	566.4	542.1	497.3	502.9	499.1
80°	788.9	443.0	286.0	295.4	319.7	387.0	469.2	446.8	407.5	400.0	396.3
82.5°	379.5	246.8	220.6	224.3	233.7	308.4	403.8	375.7	323.4	289.8	289.8
85°	190.7	153.3	155.2	142.1	155.2	209.4	272.9	228.1	188.8	168.2	172.0
87.5°	76.6	76.6	76.6	65.4	69.2	99.1	127.1	86.0	78.5	46.7	46.7
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)