

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: P481276

Luminaire Tested: **IFLD-S-SA3A-740-U-RW**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481276  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-740-U-RW  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ RW distribution lens  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

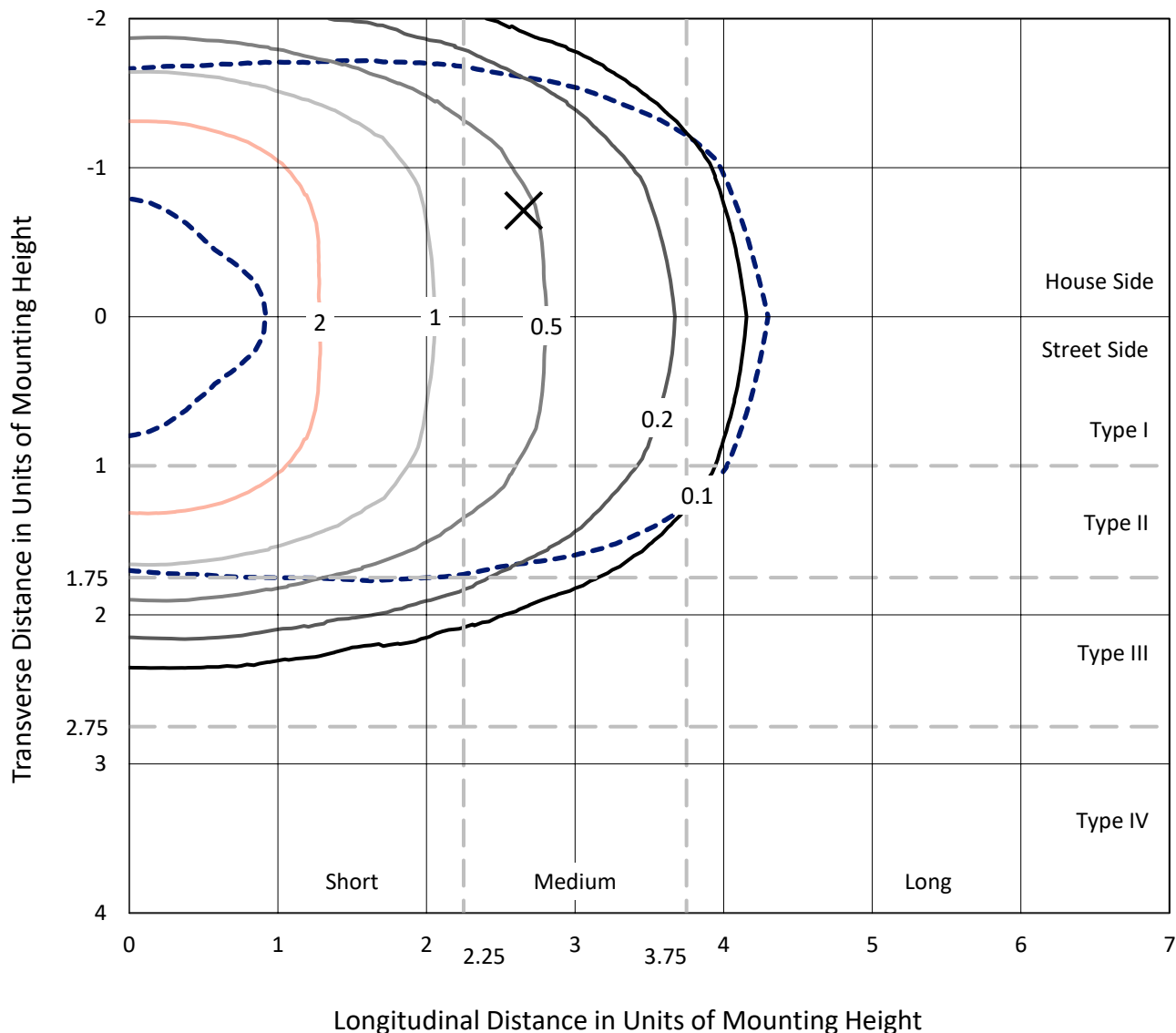
Lumens per Lamp: N/A  
Luminaire Lumens: 14171.7 lumens  
Efficiency: N/A  
Efficacy: 149.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

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

REPORT NUMBER: P481276  
 CATALOG NUMBER: IFLD-S-SA3A-740-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

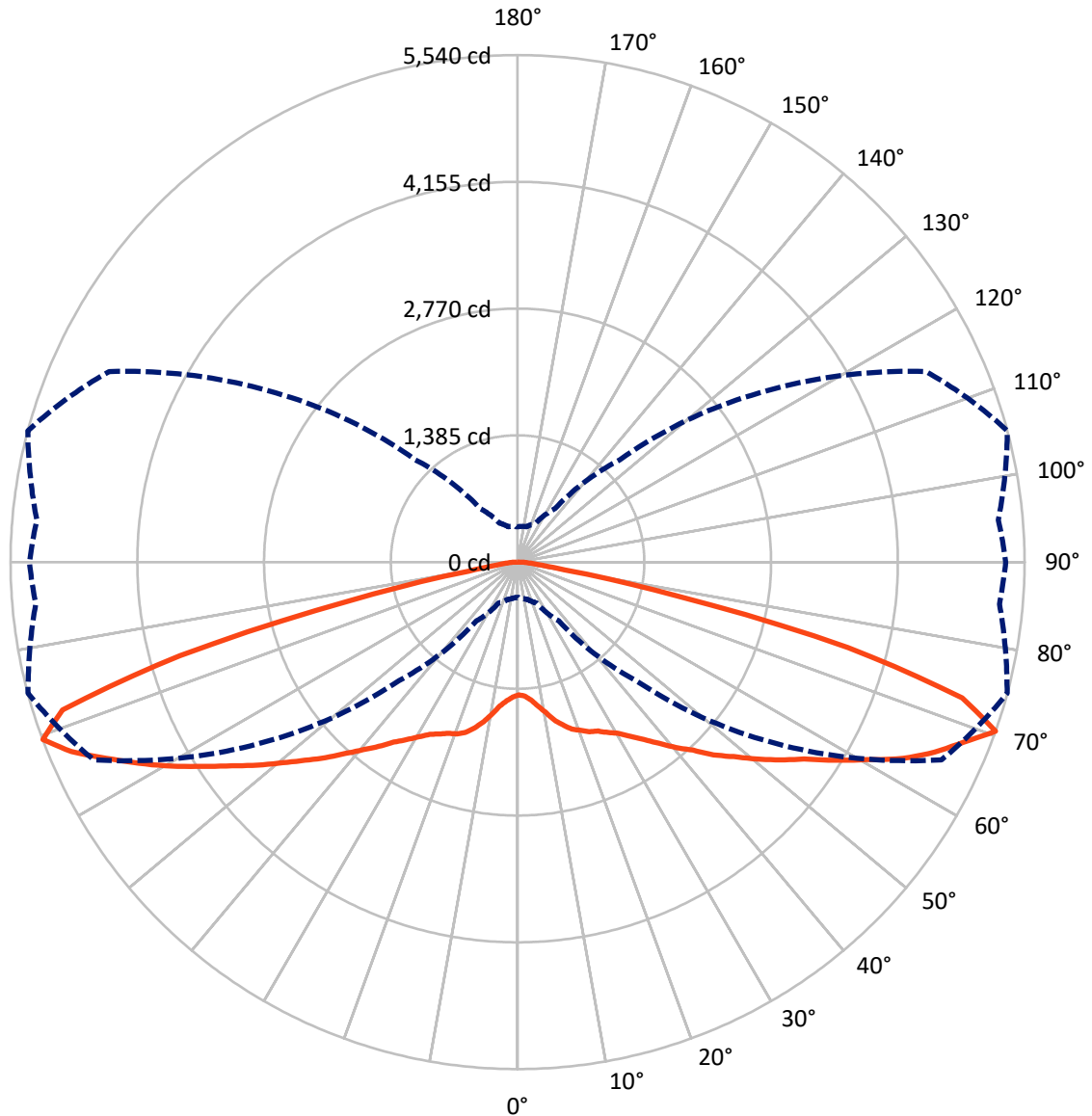
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P481276  
CATALOG NUMBER: IFLD-S-SA3A-740-U-RW

### Luminous Intensity Polar Plot



— Vertical Plane Through 105-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P481276  
 CATALOG NUMBER: IFLD-S-SA3A-740-U-RW

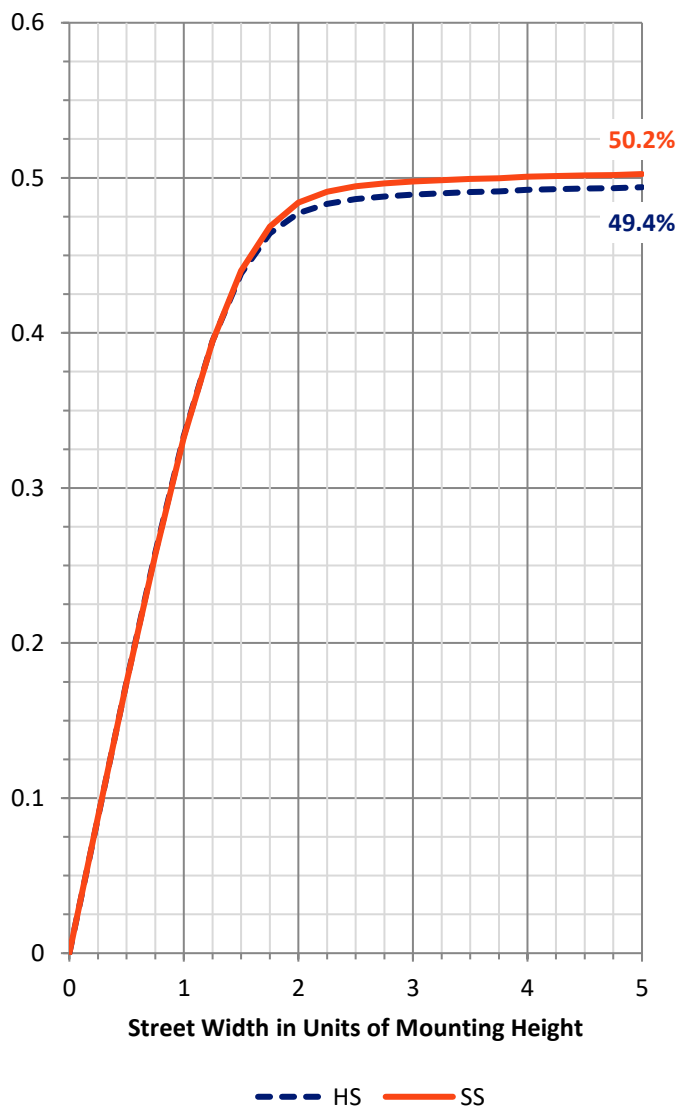
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7035.4	0.0	7035.4
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	7136.2	0.0	7136.2
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	14171.7	0.0	14171.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.4	1.0
10°-20°	491.8	3.5
20°-30°	952.3	6.7
30°-40°	1610.7	11.4
40°-50°	2569.6	18.1
50°-60°	3517.2	24.8
60°-70°	3315.2	23.4
70°-80°	1460.5	10.3
80°-90°	109.9	0.8
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°	14171.7	100.0
0°-180°	14171.7	100.0

**Coefficient of Utilization**



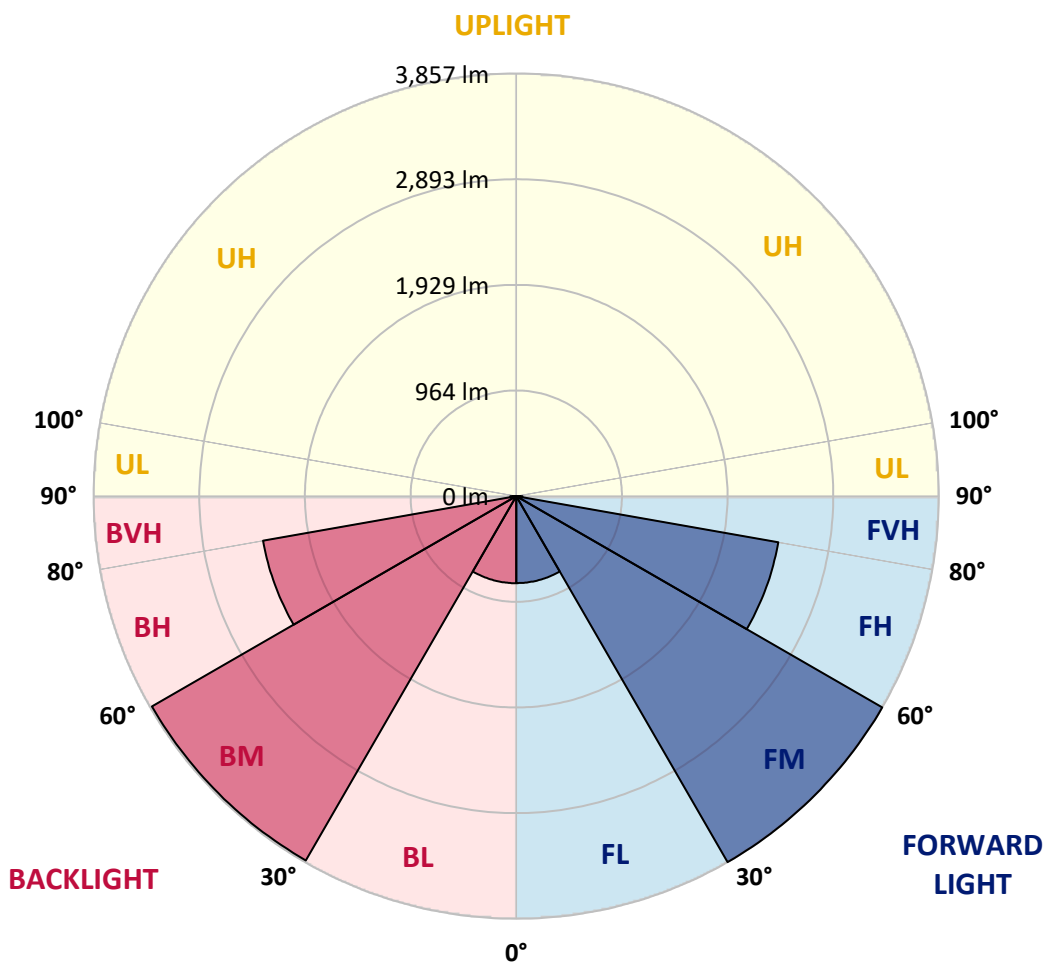
REPORT NUMBER: P481276  
 CATALOG NUMBER: IFLD-S-SA3A-740-U-RW

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.8	5.6			
FM (30°-60°)	3857.4	27.2			
FH (60°-80°)	2428.9	17.1			G2/5000
FVH (80°-90°)	56.1	0.4			G1/100
BL (0°-30°)	794.7	5.6	B2/1000		
BM (30°-60°)	3840.2	27.1	B3/5000		
BH (60°-80°)	2346.8	16.6	B3/2500		G3/2500
BVH (80°-90°)	53.8	0.4			G1/100
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





REPORT NUMBER: P481276

CATALOG NUMBER: IFLD-S-SA3A-740-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2
2.5°	1442.0	1442.0	1440.5	1448.1	1455.7	1458.8	1464.9	1466.4	1475.6	1468.0	1483.2
5°	1437.4	1435.9	1448.1	1466.4	1466.4	1486.3	1498.5	1515.3	1519.9	1529.1	1532.1
7.5°	1469.5	1466.4	1460.3	1480.2	1497.0	1527.5	1544.3	1573.4	1584.1	1596.3	1610.0
10°	1489.4	1489.4	1483.2	1518.4	1533.7	1574.9	1611.6	1640.6	1681.8	1695.6	1697.1
12.5°	1492.4	1497.0	1515.3	1561.1	1603.9	1657.4	1684.9	1739.9	1781.1	1807.1	1816.2
15°	1538.2	1529.1	1548.9	1611.6	1674.2	1721.5	1770.4	1810.1	1869.7	1903.3	1924.7
17.5°	1579.5	1570.3	1607.0	1681.8	1746.0	1819.3	1862.1	1904.8	1947.6	1978.2	1979.7
20°	1645.2	1652.8	1684.9	1765.8	1849.9	1914.0	1962.9	1970.5	1991.9	2036.2	2028.6
22.5°	1726.1	1720.0	1787.2	1875.8	1967.5	2020.9	2048.4	2028.6	2017.9	2065.2	2075.9
25°	1807.1	1825.4	1886.5	1969.0	2079.0	2150.8	2158.4	2103.4	2063.7	2080.5	2075.9
27.5°	1930.8	1933.9	1998.0	2095.8	2207.3	2269.9	2265.3	2187.4	2111.1	2112.6	2115.6
30°	2089.7	2074.4	2144.7	2233.3	2343.2	2399.8	2407.4	2295.9	2193.5	2163.0	2170.6
32.5°	2242.4	2260.8	2321.9	2422.7	2503.6	2535.7	2518.9	2419.6	2286.7	2245.5	2250.1
35°	2438.0	2434.9	2518.9	2604.5	2665.6	2671.7	2657.9	2512.8	2387.5	2334.1	2312.7
37.5°	2647.2	2674.7	2729.7	2800.0	2864.1	2867.2	2792.3	2676.3	2522.0	2433.4	2459.3
40°	2880.9	2911.5	2951.2	3053.6	3100.9	3052.0	2975.6	2818.3	2657.9	2580.0	2592.2
42.5°	3087.2	3100.9	3181.9	3302.5	3325.5	3304.1	3191.0	3000.1	2813.7	2728.2	2734.3
45°	3276.6	3294.9	3400.3	3508.8	3562.2	3525.6	3394.2	3212.4	2995.5	2922.2	2893.2
47.5°	3450.7	3487.4	3589.7	3701.2	3783.7	3786.8	3624.9	3404.9	3175.8	3079.5	3078.0
50°	3568.3	3621.8	3722.6	3849.4	3970.1	4017.4	3855.5	3618.7	3372.8	3270.5	3259.8
52.5°	3632.5	3687.5	3788.3	3985.4	4119.8	4193.1	4116.7	3818.9	3603.5	3496.5	3479.7
55°	3554.6	3591.2	3756.2	4032.7	4240.5	4361.1	4310.7	4095.3	3832.6	3745.5	3760.8
57.5°	3223.1	3299.5	3502.7	3847.9	4237.4	4533.7	4529.2	4356.5	4096.9	4014.4	4017.4
60°	2653.3	2717.5	2968.0	3450.7	4066.3	4604.0	4765.9	4610.1	4393.2	4297.0	4293.9
62.5°	1872.8	1953.7	2244.0	2771.0	3562.2	4506.2	5037.8	4929.4	4683.4	4613.2	4639.1
65°	1047.9	1096.8	1365.6	1842.2	2714.4	3968.6	5086.7	5260.9	4978.3	4871.3	4875.9
67.5°	560.6	578.9	704.2	966.9	1660.4	3059.7	4593.3	5451.8	5297.5	5112.7	5083.7
70°	384.9	391.1	423.1	494.9	785.2	1830.0	3464.5	5111.2	5537.3	5285.3	5334.2
72.5°	325.4	322.3	329.9	337.6	410.9	818.8	2033.2	3933.4	5227.2	5132.5	5114.2
75°	282.6	281.1	284.1	276.5	285.7	360.5	899.7	2451.7	3826.5	4271.0	4339.7
77.5°	233.7	235.2	236.8	229.1	226.1	238.3	362.0	1076.9	1883.5	2079.0	2242.4
80°	177.2	180.2	192.5	184.8	172.6	174.1	213.9	360.5	540.7	490.3	505.6
82.5°	120.7	122.2	148.2	139.0	129.8	117.6	137.5	186.4	210.8	160.4	140.5
85°	85.5	84.0	96.2	88.6	82.5	59.6	82.5	105.4	126.8	79.4	71.8
87.5°	19.9	19.9	39.7	32.1	30.6	24.4	32.1	41.2	55.0	35.1	32.1
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: P481276

CATALOG NUMBER: IFLD-S-SA3A-740-U-RW

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2	1451.2
2.5°	1478.7	1464.9	1464.9	1461.9	1449.6	1446.6	1435.9	1438.9	1431.3	1423.7
5°	1530.6	1512.3	1512.3	1486.3	1461.9	1458.8	1446.6	1446.6	1434.4	1437.4
7.5°	1602.4	1585.6	1558.1	1535.2	1501.6	1487.8	1464.9	1461.9	1458.8	1452.7
10°	1687.9	1666.5	1639.1	1591.7	1564.2	1538.2	1515.3	1483.2	1475.6	1477.1
12.5°	1804.0	1770.4	1710.8	1669.6	1634.5	1600.9	1567.3	1519.9	1509.2	1513.8
15°	1886.5	1843.7	1784.2	1768.9	1721.5	1680.3	1625.3	1571.8	1553.5	1548.9
17.5°	1953.7	1918.6	1883.5	1860.5	1822.4	1771.9	1695.6	1634.5	1593.2	1588.6
20°	2008.7	1962.9	1955.3	1969.0	1921.6	1888.0	1794.9	1720.0	1665.0	1642.1
22.5°	2042.3	2013.3	2034.7	2046.9	2043.8	1987.3	1891.1	1804.0	1735.3	1713.9
25°	2079.0	2045.4	2121.8	2163.0	2173.7	2080.5	2005.7	1891.1	1823.9	1810.1
27.5°	2097.3	2109.5	2198.1	2285.2	2277.6	2205.8	2105.0	2002.6	1949.1	1924.7
30°	2150.8	2170.6	2305.1	2402.8	2404.3	2334.1	2257.7	2141.6	2082.0	2071.3
32.5°	2247.0	2271.5	2415.0	2518.9	2537.2	2483.8	2407.4	2335.6	2274.5	2250.1
35°	2320.3	2383.0	2544.9	2639.6	2688.5	2656.4	2613.6	2538.8	2474.6	2453.2
37.5°	2425.7	2512.8	2668.6	2796.9	2851.9	2848.9	2816.8	2735.8	2682.4	2664.0
40°	2577.0	2664.0	2806.1	2975.6	3078.0	3073.4	3055.1	2992.5	2913.0	2903.9
42.5°	2737.4	2809.1	2994.0	3188.0	3334.6	3319.3	3270.5	3197.1	3142.2	3129.9
45°	2893.2	3004.7	3175.8	3424.7	3534.7	3572.9	3514.9	3389.6	3327.0	3319.3
47.5°	3088.7	3177.3	3391.1	3614.2	3777.6	3783.7	3684.4	3568.3	3453.8	3478.2
50°	3262.8	3380.4	3597.4	3841.8	4037.3	3967.0	3840.2	3695.1	3612.6	3580.6
52.5°	3449.2	3592.8	3844.8	4093.8	4202.3	4132.0	3925.8	3763.9	3638.6	3624.9
55°	3721.1	3795.9	4125.9	4316.8	4352.0	4203.8	3899.8	3670.7	3508.8	3469.0
57.5°	3997.6	4084.6	4373.3	4538.3	4501.7	4164.1	3731.8	3377.4	3165.1	3108.5
60°	4277.1	4384.0	4626.9	4778.1	4588.7	3890.6	3256.7	2800.0	2552.5	2502.1
62.5°	4588.7	4727.7	4944.6	4998.1	4330.6	3349.9	2584.6	2020.9	1770.4	1686.4
65°	4865.2	5007.3	5274.6	4952.3	3782.2	2499.1	1671.1	1154.8	970.0	902.8
67.5°	5092.8	5253.2	5384.6	4382.5	2769.4	1463.4	870.7	608.0	539.2	514.8
70°	5273.1	5540.4	4926.3	3221.6	1582.5	713.4	470.5	400.2	391.1	384.9
72.5°	5115.7	5080.6	3678.3	1859.0	693.5	392.6	340.6	329.9	328.4	329.9
75°	4183.9	3731.8	2199.7	808.1	348.3	284.1	282.6	278.0	285.7	285.7
77.5°	2030.1	1775.0	919.6	346.8	229.1	223.0	230.7	230.7	230.7	230.7
80°	470.5	520.9	328.4	210.8	166.5	166.5	183.3	184.8	177.2	174.1
82.5°	160.4	213.9	180.2	132.9	110.0	123.7	139.0	142.1	117.6	119.1
85°	79.4	125.3	97.8	76.4	56.5	76.4	90.1	94.7	81.0	77.9
87.5°	36.7	55.0	36.7	26.0	19.9	27.5	26.0	21.4	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)