

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: P483694

Luminaire Tested: **IFLD-S-SA3A-760-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483694  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-760-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

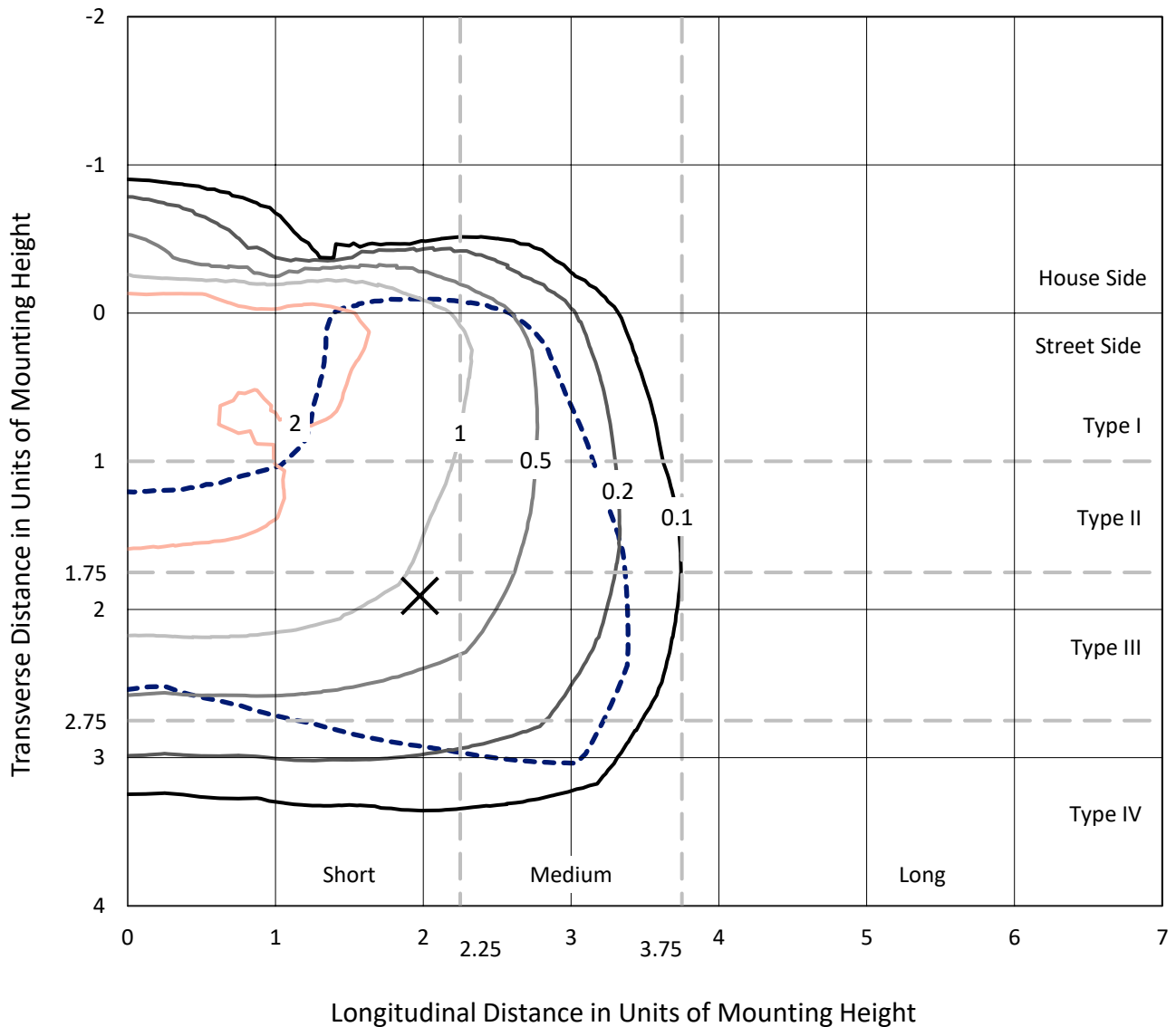
Lumens per Lamp: N/A  
Luminaire Lumens: 10384 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

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### Iso-Footcandle Lines of Horizontal Illumination

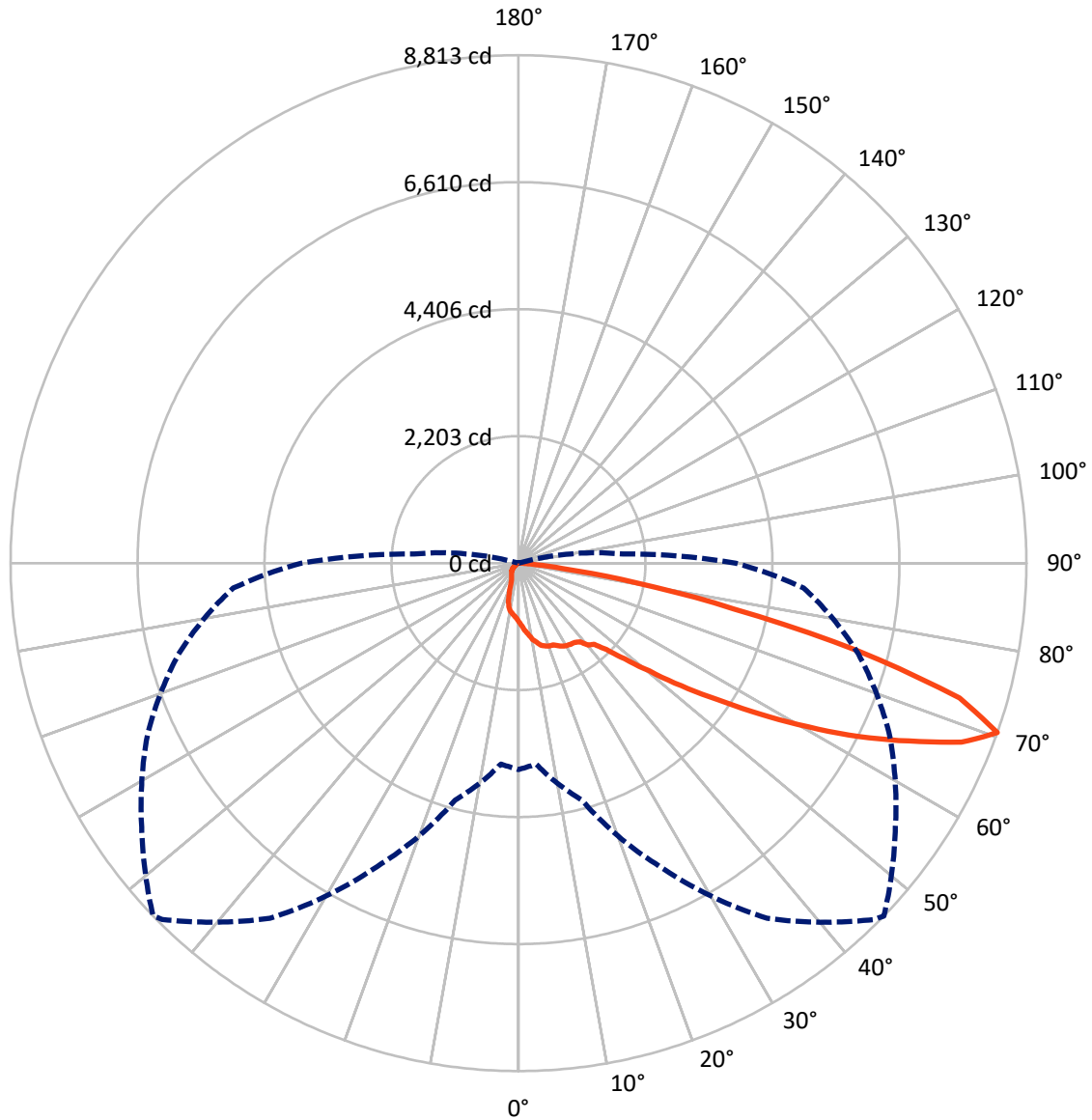
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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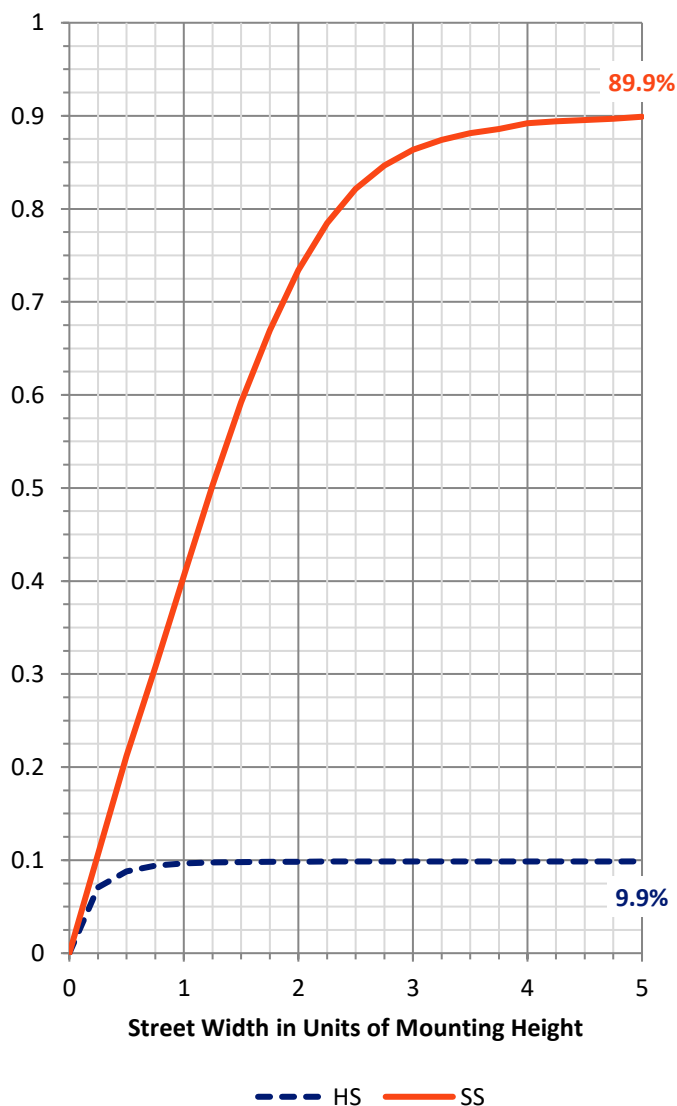
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1033.2	0.0	1033.2
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	9350.8	0.0	9350.8
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	10384.0	0.0	10384.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	1.0
10°-20°	307.0	3.0
20°-30°	491.7	4.7
30°-40°	701.8	6.8
40°-50°	1211.8	11.7
50°-60°	2320.2	22.3
60°-70°	3435.8	33.1
70°-80°	1701.7	16.4
80°-90°	112.5	1.1
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°	10384.0	100.0
0°-180°	10384.0	100.0

**Coefficient of Utilization**



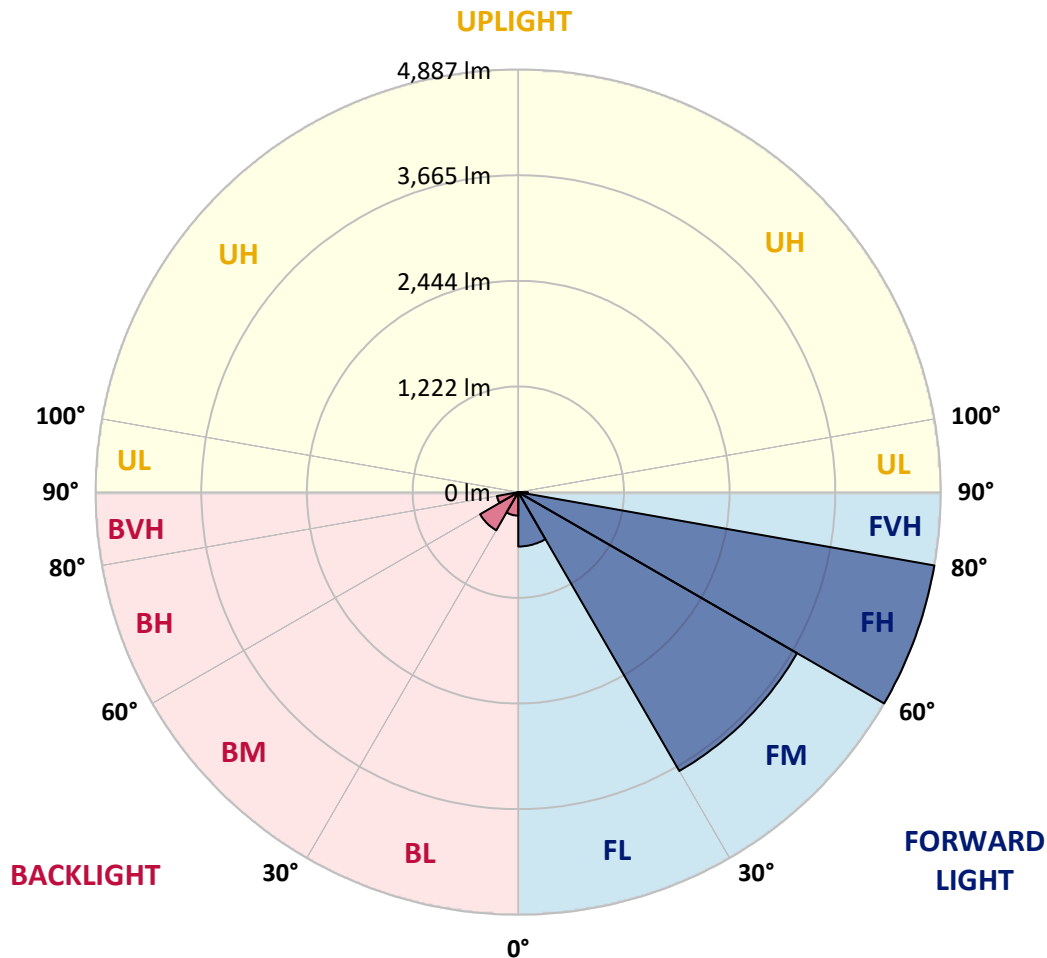
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	628.8	6.1			
FM	(30°-60°)	3723.7	35.9			
FH	(60°-80°)	4887.2	47.1			G2/5000
FVH	(80°-90°)	111.0	1.1			G2/225
BL	(0°-30°)	271.5	2.6	B1/500		
BM	(30°-60°)	510.1	4.9	B1/1000		
BH	(60°-80°)	250.2	2.4	B1/500		G1/500
BVH	(80°-90°)	1.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4
2.5°	1137.5	1130.0	1118.0	1113.6	1101.6	1095.6	1086.6	1082.2	1065.7	1049.3	1038.8
5°	1276.5	1258.5	1264.5	1246.6	1207.7	1176.3	1174.8	1140.5	1103.1	1073.2	1032.8
7.5°	1417.0	1402.0	1379.6	1354.2	1310.9	1264.5	1251.1	1218.2	1165.9	1113.6	1059.7
10°	1523.1	1512.6	1493.2	1457.3	1397.5	1345.2	1346.7	1291.4	1236.1	1176.3	1103.1
12.5°	1588.9	1593.4	1565.0	1529.1	1476.8	1411.0	1409.5	1372.1	1309.4	1246.6	1159.9
15°	1654.6	1671.1	1627.7	1585.9	1518.6	1470.8	1479.8	1434.9	1373.6	1301.9	1206.2
17.5°	1665.1	1669.6	1660.6	1599.3	1550.0	1509.6	1511.1	1481.2	1434.9	1357.2	1275.0
20°	1647.2	1644.2	1633.7	1588.9	1556.0	1532.1	1533.6	1526.1	1500.7	1437.9	1325.8
22.5°	1594.8	1594.8	1581.4	1551.5	1536.6	1559.0	1541.0	1569.4	1542.5	1505.2	1412.5
25°	1553.0	1569.4	1562.0	1542.5	1548.5	1578.4	1587.4	1614.3	1609.8	1563.5	1472.3
27.5°	1597.8	1578.4	1582.9	1560.5	1582.9	1627.7	1632.2	1651.6	1650.1	1612.8	1526.1
30°	1627.7	1645.7	1611.3	1562.0	1585.9	1662.1	1659.1	1684.5	1696.5	1651.6	1576.9
32.5°	1723.4	1708.4	1680.0	1614.3	1617.3	1660.6	1674.1	1706.9	1714.4	1687.5	1626.2
35°	1919.2	1896.8	1772.7	1674.1	1659.1	1680.0	1689.0	1753.3	1766.7	1736.8	1678.5
37.5°	2221.1	2170.3	2020.8	1802.6	1735.3	1730.9	1730.9	1816.1	1866.9	1798.1	1756.3
40°	2653.1	2581.3	2419.9	2040.3	1835.5	1853.4	1871.4	1917.7	1911.7	1866.9	1857.9
42.5°	3203.1	3147.8	2973.0	2439.4	2026.8	1937.1	1922.2	1985.0	2079.1	2061.2	2055.2
45°	3662.0	3665.0	3552.9	2986.4	2357.1	2129.9	2140.4	2188.2	2346.7	2333.2	2331.7
47.5°	3996.8	3955.0	3938.5	3514.0	2838.4	2496.1	2481.2	2514.1	2720.4	2805.6	2844.4
50°	4301.7	4273.3	4234.5	4026.7	3416.9	2955.0	2940.1	2943.1	3258.4	3378.0	3473.7
52.5°	4679.9	4715.8	4587.2	4460.2	4165.7	3551.4	3535.0	3476.7	3868.3	4032.7	4146.3
55°	5146.3	5079.0	4934.0	4999.8	4881.7	4195.6	4165.7	4097.0	4563.3	4632.1	4751.7
57.5°	5249.4	5198.6	5348.0	5581.2	5694.8	4951.9	4940.0	4815.9	5147.7	5085.0	5422.8
60°	5506.5	5519.9	5727.7	6191.0	6388.3	5824.8	5766.6	5548.3	5714.2	5726.2	6086.4
62.5°	5771.0	5739.6	6204.5	6649.9	6953.3	6651.4	6632.0	6198.5	6386.9	6234.4	6711.2
65°	5576.7	5624.6	6289.7	7035.6	7685.7	7460.0	7443.6	6824.8	6927.9	6738.1	6965.3
67.5°	4886.2	4789.0	5720.2	6859.2	8062.4	8307.5	8289.6	7507.9	7232.9	6735.1	6437.7
70°	3581.3	3497.6	4256.9	5808.4	7522.8	8741.0	8812.8	7983.2	7108.8	6107.3	4966.9
72.5°	1754.8	1756.3	2385.5	3938.5	5951.9	7966.8	8002.6	7319.5	6107.3	4502.0	2813.0
75°	518.7	524.6	883.4	1931.2	3847.4	6050.5	6090.9	5555.8	4233.0	2325.8	959.6
77.5°	189.8	189.8	293.0	724.9	1919.2	3819.0	3816.0	3410.9	2143.4	787.7	224.2
80°	98.7	103.1	152.5	296.0	831.1	1989.4	2064.2	1669.6	814.6	331.8	65.8
82.5°	40.4	44.8	83.7	152.5	399.1	698.0	763.8	654.7	354.2	231.7	29.9
85°	12.0	13.5	40.4	85.2	156.9	174.9	194.3	219.7	222.7	179.4	13.5
87.5°	1.5	1.5	16.4	28.4	34.4	37.4	43.3	43.3	113.6	125.6	7.5
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°	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4
2.5°	1026.9	1019.4	1007.4	980.5	974.5	955.1	953.6	935.7	941.7	929.7	925.2
5°	1019.4	1002.9	970.1	949.1	928.2	914.8	905.8	898.3	896.8	890.8	887.9
7.5°	1032.8	1010.4	959.6	926.7	890.8	878.9	859.5	858.0	847.5	837.0	837.0
10°	1077.7	1037.3	982.0	926.7	880.4	841.5	796.7	763.8	751.8	724.9	727.9
12.5°	1113.6	1077.7	997.0	940.2	869.9	781.7	683.1	606.8	571.0	536.6	550.0
15°	1164.4	1112.1	1025.4	943.2	829.6	677.1	515.7	430.5	397.6	390.1	388.6
17.5°	1219.7	1164.4	1061.2	935.7	747.4	523.1	379.7	330.3	336.3	345.3	343.8
20°	1281.0	1213.7	1088.1	910.3	617.3	379.7	310.9	309.4	318.4	331.8	334.8
22.5°	1345.2	1286.9	1121.0	834.0	460.4	304.9	298.9	298.9	304.9	321.4	318.4
25°	1417.0	1339.3	1137.5	716.0	330.3	281.0	284.0	290.0	293.0	306.4	307.9
27.5°	1472.3	1397.5	1142.0	574.0	269.0	260.1	267.6	275.0	279.5	290.0	294.5
30°	1523.1	1470.8	1118.0	427.5	246.6	242.1	245.1	255.6	264.6	273.5	273.5
32.5°	1587.4	1512.6	1062.7	303.4	233.2	225.7	224.2	228.7	239.2	249.6	249.6
35°	1653.1	1582.9	974.5	243.6	221.2	210.8	204.8	200.3	204.8	212.2	218.2
37.5°	1748.8	1689.0	863.9	224.2	212.2	197.3	185.3	174.9	167.4	165.9	170.4
40°	1884.8	1808.6	721.9	210.8	201.8	183.8	165.9	148.0	131.5	121.1	122.6
42.5°	2091.1	1985.0	568.0	203.3	194.3	168.9	143.5	118.1	97.2	86.7	86.7
45°	2385.5	2218.1	417.0	195.8	185.3	151.0	118.1	88.2	67.3	61.3	62.8
47.5°	2829.5	2499.1	298.9	183.8	173.4	131.5	92.7	62.8	49.3	46.3	47.8
50°	3409.4	2832.5	233.2	170.4	158.4	110.6	68.8	46.3	38.9	37.4	38.9
52.5°	4017.8	3168.8	204.8	158.4	136.0	88.2	50.8	37.4	32.9	31.4	32.9
55°	4537.9	3385.5	177.9	140.5	109.1	65.8	40.4	32.9	28.4	23.9	23.9
57.5°	5064.0	3494.6	140.5	116.6	80.7	49.3	34.4	28.4	23.9	19.4	17.9
60°	5491.5	3572.3	100.1	86.7	56.8	38.9	29.9	25.4	19.4	14.9	13.5
62.5°	5772.5	3349.6	73.2	65.8	41.9	32.9	25.4	20.9	14.9	10.5	10.5
65°	5633.5	3041.7	56.8	46.3	31.4	25.4	20.9	14.9	10.5	6.0	4.5
67.5°	5055.1	2478.2	46.3	34.4	23.9	19.4	16.4	12.0	6.0	1.5	1.5
70°	3771.1	1816.1	37.4	25.4	19.4	14.9	12.0	7.5	3.0	1.5	0.0
72.5°	2062.7	994.0	29.9	20.9	14.9	12.0	9.0	6.0	3.0	0.0	0.0
75°	681.6	264.6	22.4	14.9	9.0	7.5	6.0	4.5	1.5	0.0	0.0
77.5°	164.4	68.8	17.9	13.5	7.5	4.5	3.0	1.5	1.5	0.0	0.0
80°	50.8	28.4	13.5	9.0	6.0	4.5	1.5	0.0	0.0	0.0	0.0
82.5°	20.9	13.5	6.0	6.0	4.5	1.5	0.0	0.0	0.0	0.0	0.0
85°	10.5	7.5	4.5	3.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	3.0	1.5	1.5	0.0	0.0	0.0	0.0	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)