

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: P482678

Luminaire Tested: **IFLD-S-SA2D-722-U-T3R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482678  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-722-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

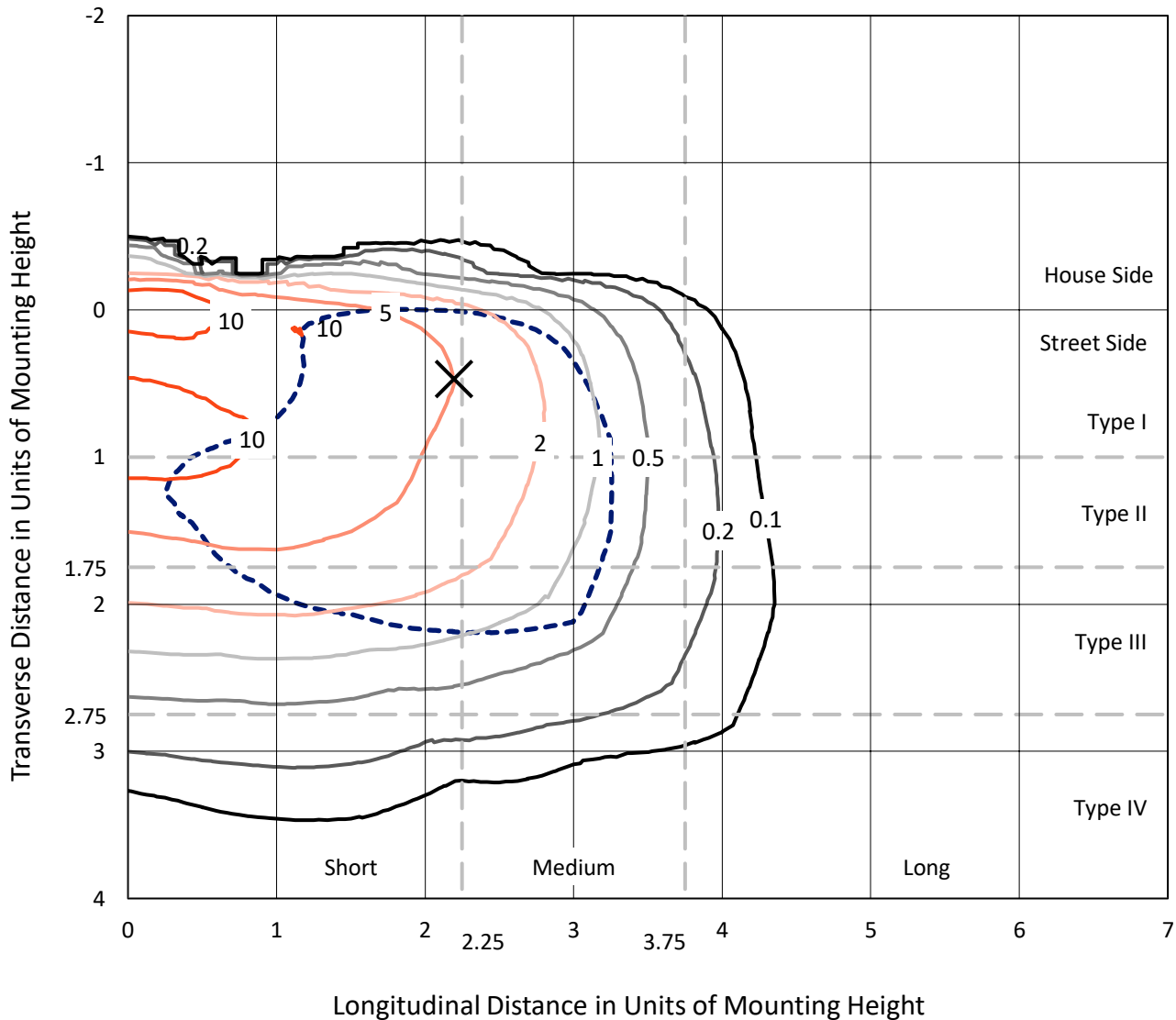
Lumens per Lamp: N/A  
Luminaire Lumens: 8257.8 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 123.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

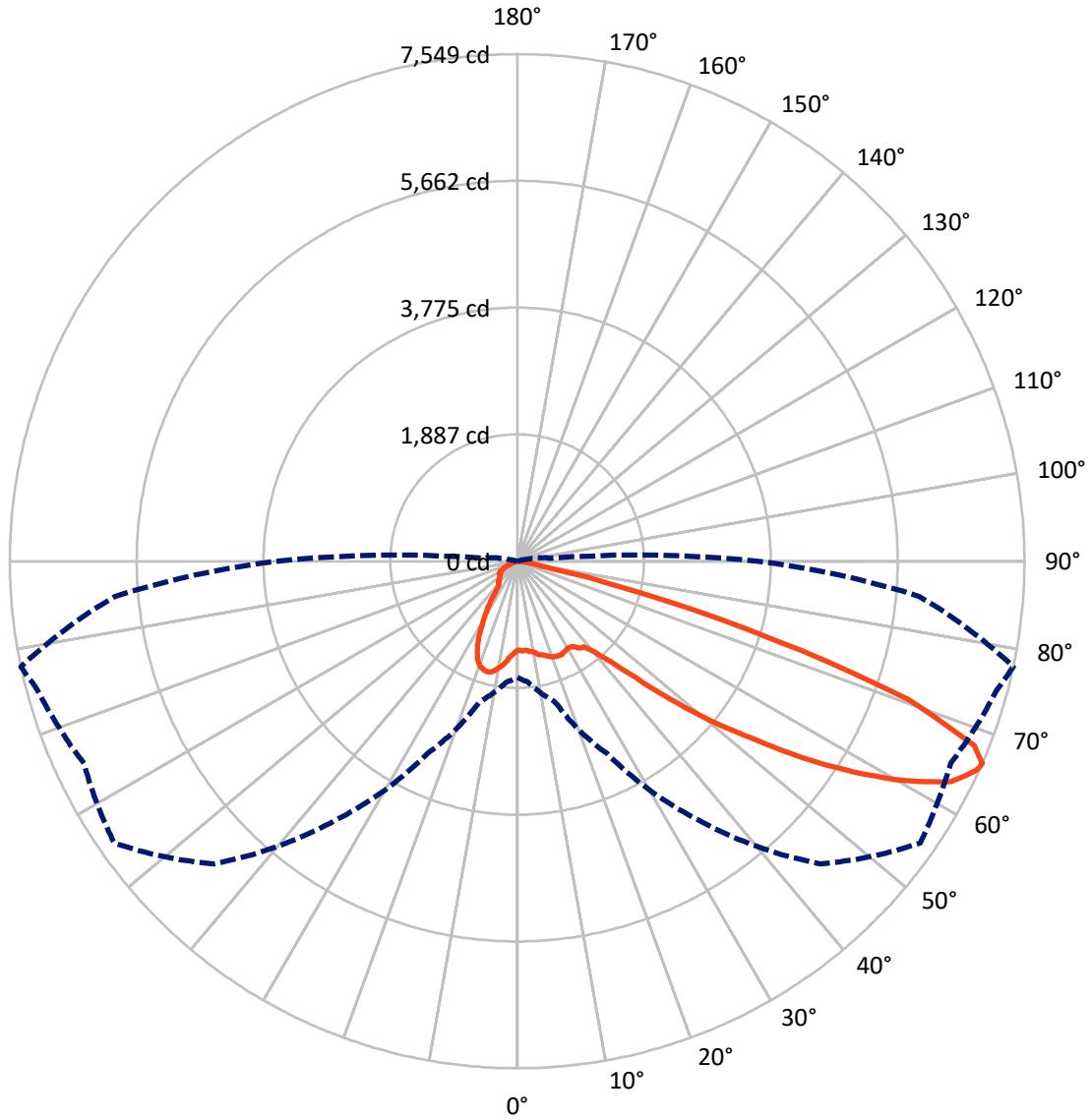
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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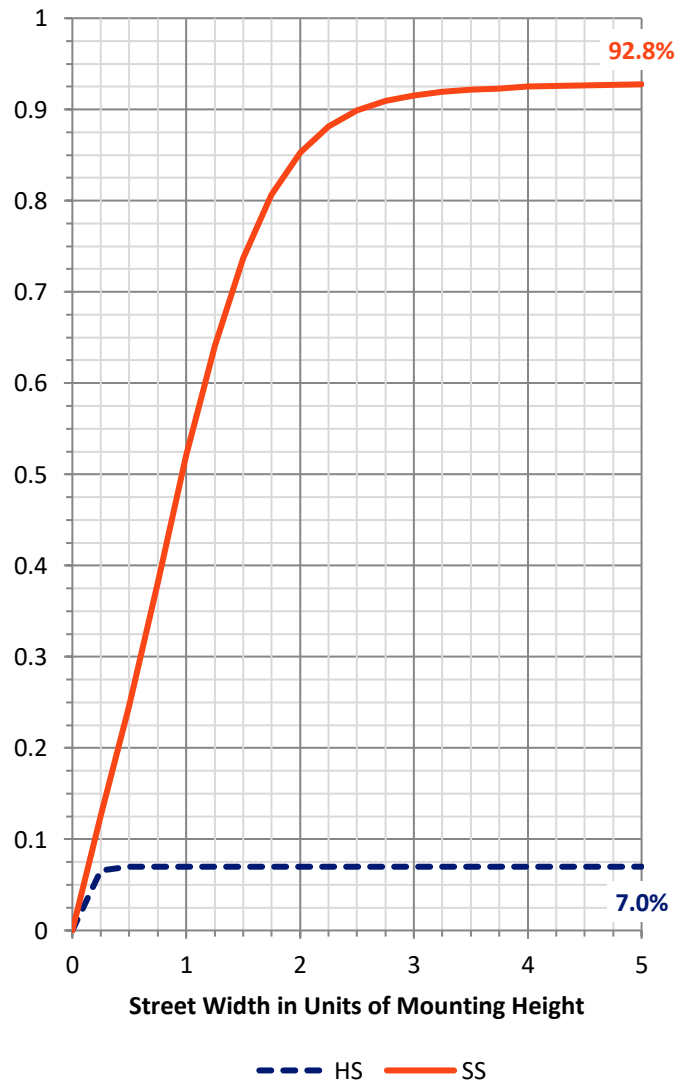
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	580.6	0.0	580.6
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	7677.2	0.0	7677.2
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	8257.8	0.0	8257.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.0	1.5
10°-20°	273.1	3.3
20°-30°	390.4	4.7
30°-40°	668.3	8.1
40°-50°	1206.2	14.6
50°-60°	2062.7	25.0
60°-70°	2538.8	30.7
70°-80°	959.8	11.6
80°-90°	37.5	0.5
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°	8257.8	100.0
0°-180°	8257.8	100.0

**Coefficient of Utilization**

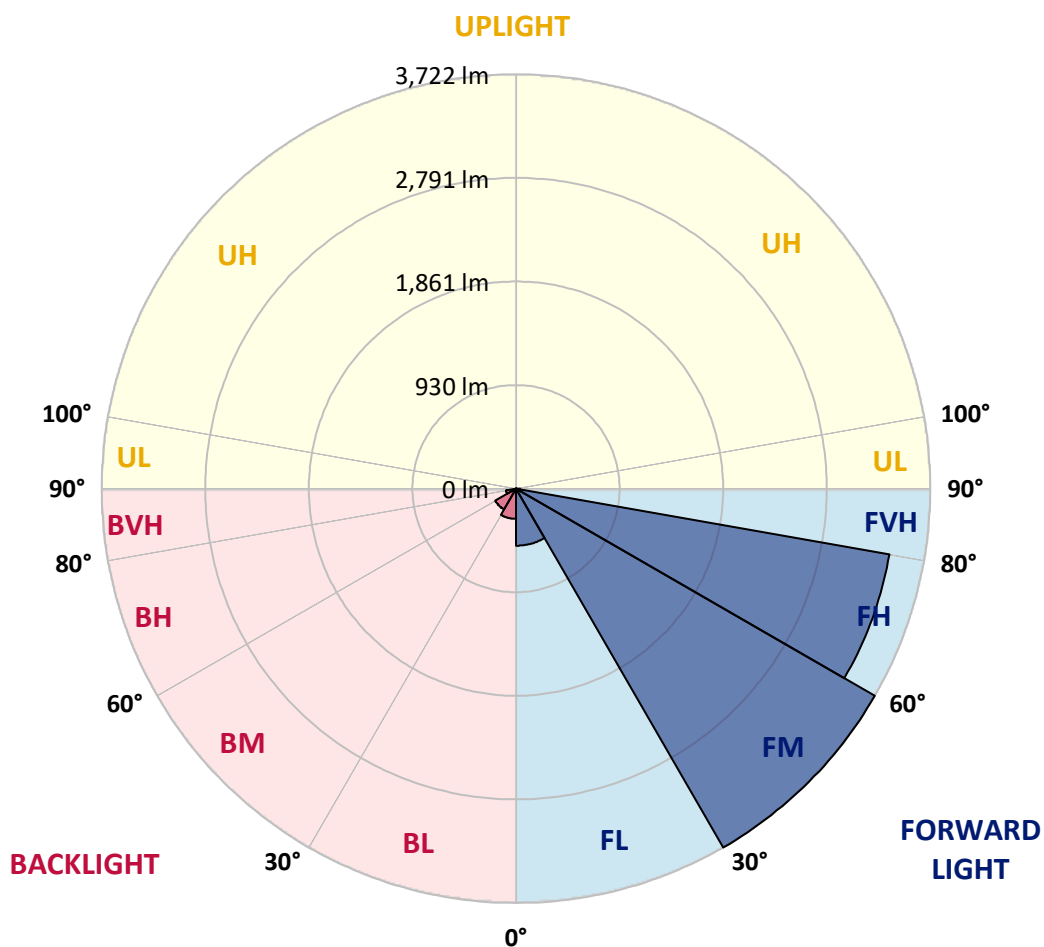


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.6	6.2			
FM (30°-60°)	3722.0	45.1			
FH (60°-80°)	3406.6	41.3			G2/5000
FVH (80°-90°)	36.0	0.4			G1/100
BL (0°-30°)	271.9	3.3	B1/500		
BM (30°-60°)	215.2	2.6	B0/220		
BH (60°-80°)	92.0	1.1	B0/110		G0/110
BVH (80°-90°)	1.5	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6
2.5°	1216.6	1205.3	1216.6	1232.8	1241.5	1249.0	1275.2	1297.7	1321.4	1337.6	1332.6
5°	1128.0	1149.2	1151.7	1156.7	1170.4	1215.3	1230.3	1269.0	1327.6	1332.6	1355.1
7.5°	1058.1	1051.9	1068.1	1100.5	1135.5	1161.7	1205.3	1272.7	1333.9	1355.1	1398.7
10°	957.0	969.5	987.0	1019.4	1061.8	1126.7	1204.1	1279.0	1366.3	1373.8	1454.9
12.5°	902.1	889.7	917.1	950.8	1023.2	1083.1	1177.9	1267.7	1386.3	1427.4	1521.0
15°	857.2	863.5	889.7	912.1	972.0	1048.1	1159.2	1295.2	1420.0	1448.7	1590.9
17.5°	838.5	834.8	854.7	877.2	950.8	1036.9	1151.7	1296.4	1449.9	1487.3	1638.3
20°	847.2	854.7	848.5	869.7	915.9	1003.2	1162.9	1320.1	1472.4	1523.5	1689.5
22.5°	984.5	974.5	924.6	884.7	887.2	989.5	1154.2	1335.1	1492.3	1533.5	1724.4
25°	1342.6	1288.9	1165.4	1011.9	910.9	952.0	1144.2	1330.1	1488.6	1539.7	1745.6
27.5°	1703.2	1657.0	1536.0	1297.7	1006.9	937.1	1109.3	1333.9	1469.9	1517.3	1710.7
30°	2083.8	2108.7	1929.0	1645.8	1259.0	1019.4	1086.8	1313.9	1457.4	1497.3	1718.2
32.5°	2474.3	2464.3	2355.8	2048.8	1619.6	1201.6	1123.0	1333.9	1473.6	1512.3	1761.8
35°	2780.0	2745.1	2635.3	2358.3	1917.8	1476.1	1247.8	1428.7	1544.7	1590.9	1824.2
37.5°	2931.0	2946.0	2882.3	2641.5	2244.7	1730.7	1403.7	1428.7	1567.2	1620.8	1925.3
40°	3048.3	3093.2	3069.5	2992.1	2569.2	2017.6	1575.9	1517.3	1680.7	1781.8	2115.0
42.5°	3189.3	3168.1	3307.8	3236.7	2993.4	2379.5	1877.9	1728.2	1949.0	2046.3	2399.5
45°	3264.2	3345.3	3451.3	3542.4	3386.4	2831.2	2272.2	2101.2	2359.5	2483.1	2822.4
47.5°	3456.3	3488.8	3660.9	3775.7	3705.9	3347.8	2871.1	2646.5	2876.1	3070.8	3306.6
50°	3568.6	3524.9	3765.8	3940.4	3980.4	3775.7	3407.7	3233.0	3490.0	3738.3	3759.5
52.5°	3470.0	3594.8	3835.6	4148.8	4259.9	4157.6	4037.8	3961.7	4142.6	4372.2	4269.9
55°	3124.4	3209.3	3795.7	4377.2	4735.3	4687.9	4798.9	4749.0	4931.2	5174.5	4866.3
57.5°	2846.2	2952.2	3467.5	4495.7	5178.2	5318.0	5457.7	5426.5	5646.1	5926.9	5371.6
60°	2672.7	2733.9	3230.5	4465.8	5440.3	5969.3	6285.0	6065.4	6423.5	6638.1	5767.2
62.5°	2372.0	2410.7	2884.8	4069.0	5518.9	6429.7	6965.0	6666.8	6977.5	7239.5	6051.7
65°	1901.6	2006.4	2398.2	3475.0	4999.8	6514.6	7389.3	7038.7	7339.4	7511.6	6137.8
66°	1730.7	1806.8	2166.1	3160.6	4704.1	6373.6	7318.2	7116.0	7391.8	7549.0	6005.5
67.5°	1436.2	1502.3	1788.1	2712.6	4098.9	6062.9	7368.1	7063.6	7431.7	7335.6	5828.3
70°	950.8	993.2	1222.8	1834.2	2854.9	4959.9	6834.0	6654.3	6533.3	6172.7	4556.8
72.5°	444.2	505.3	763.6	1111.8	1674.5	3470.0	5572.5	5331.7	4581.8	4005.3	2874.9
75°	200.9	228.3	419.2	637.6	751.2	1798.0	3594.8	3246.7	2280.9	1894.1	1259.0
77.5°	108.6	123.5	204.6	303.2	273.3	630.1	1779.3	1479.9	718.7	526.6	365.6
80°	83.6	98.6	170.9	173.4	101.1	163.5	661.3	457.9	179.7	136.0	87.3
82.5°	43.7	62.4	134.8	112.3	51.2	66.1	204.6	127.3	56.1	44.9	37.4
85°	17.5	27.5	76.1	74.9	29.9	22.5	57.4	38.7	22.5	18.7	17.5
87.5°	1.2	1.2	41.2	28.7	18.7	6.2	8.7	8.7	11.2	10.0	12.5
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°	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6
2.5°	1355.1	1370.0	1372.5	1413.7	1422.5	1413.7	1436.2	1432.4	1442.4	1434.9	1421.2
5°	1386.3	1407.5	1448.7	1479.9	1479.9	1454.9	1434.9	1408.7	1370.0	1360.1	1352.6
7.5°	1439.9	1507.3	1544.7	1524.8	1484.8	1391.3	1261.5	1166.7	1086.8	1056.9	1043.1
10°	1534.8	1572.2	1615.9	1534.8	1368.8	1170.4	952.0	808.6	696.3	671.3	652.6
12.5°	1595.9	1655.8	1680.7	1479.9	1154.2	858.5	621.4	459.2	380.6	320.7	310.7
15°	1675.8	1744.4	1693.2	1331.4	909.6	562.7	321.9	200.9	163.5	153.5	153.5
17.5°	1730.7	1805.5	1642.1	1146.7	645.1	299.5	159.7	138.5	136.0	137.3	134.8
20°	1826.7	1871.7	1564.7	932.1	385.6	153.5	128.5	123.5	121.0	124.8	122.3
22.5°	1862.9	1904.1	1438.7	675.0	173.4	102.3	96.1	92.3	94.8	93.6	92.3
25°	1860.4	1881.6	1231.5	386.8	51.2	39.9	36.2	36.2	33.7	34.9	33.7
27.5°	1879.1	1826.7	999.5	114.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1889.1	1738.1	711.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1894.1	1692.0	457.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1932.8	1599.6	195.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1959.0	1481.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	2067.6	1443.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2208.5	1373.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2404.4	1270.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2664.0	1209.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2857.4	1113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3103.2	1055.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3395.2	1058.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3660.9	1040.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3797.0	889.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3768.3	720.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3668.4	565.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	3599.8	500.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3391.4	400.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2698.9	274.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1716.9	168.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	791.1	77.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	248.3	47.4	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	64.9	29.9	10.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	33.7	21.2	8.7	3.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.2	8.7	3.7	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.7	5.0	2.5	2.5	1.2	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)