

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: P482681

Luminaire Tested: **IFLD-S-SA3B-722-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482681  
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-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

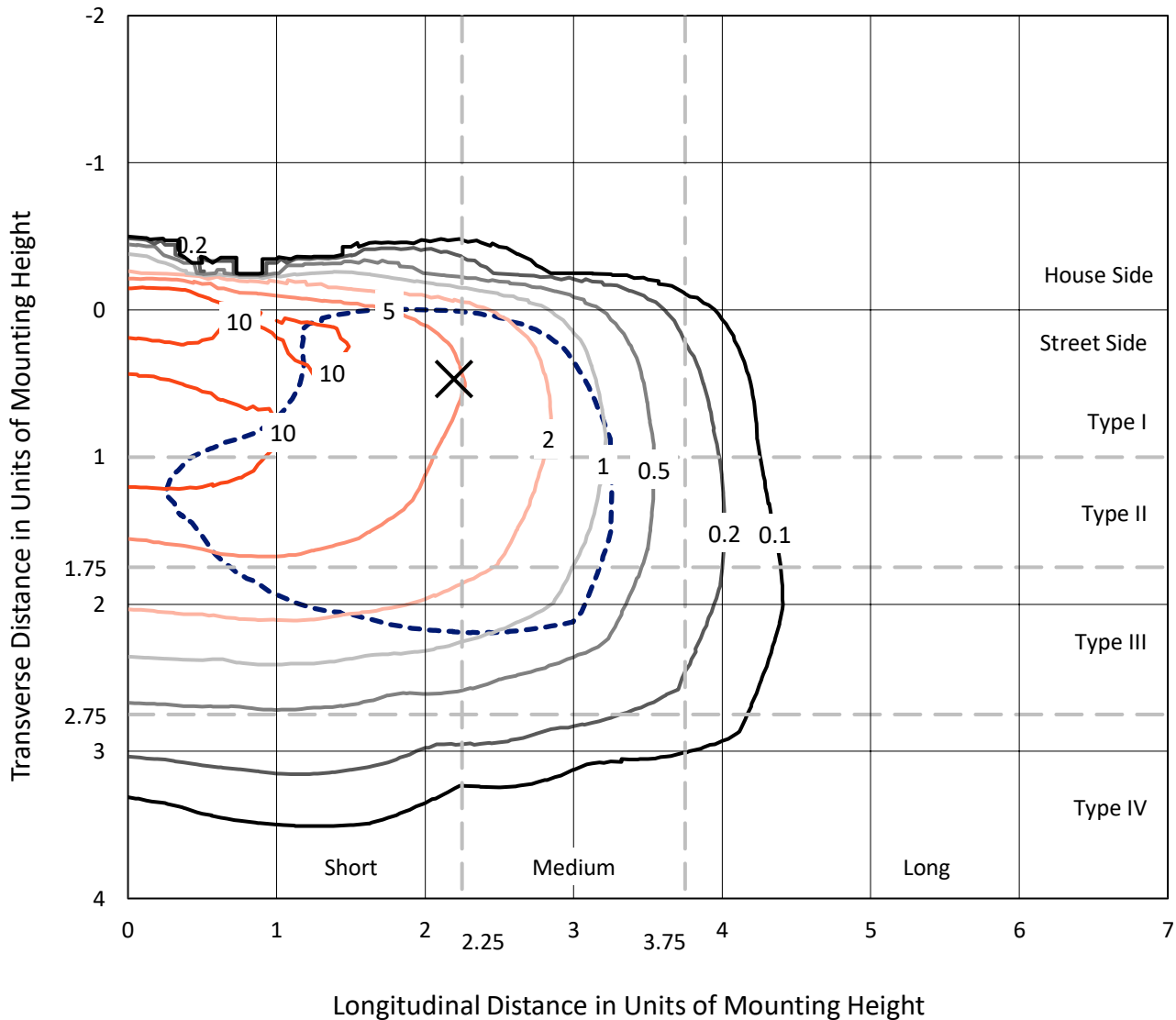
Lumens per Lamp: N/A  
Luminaire Lumens: 8984.5 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

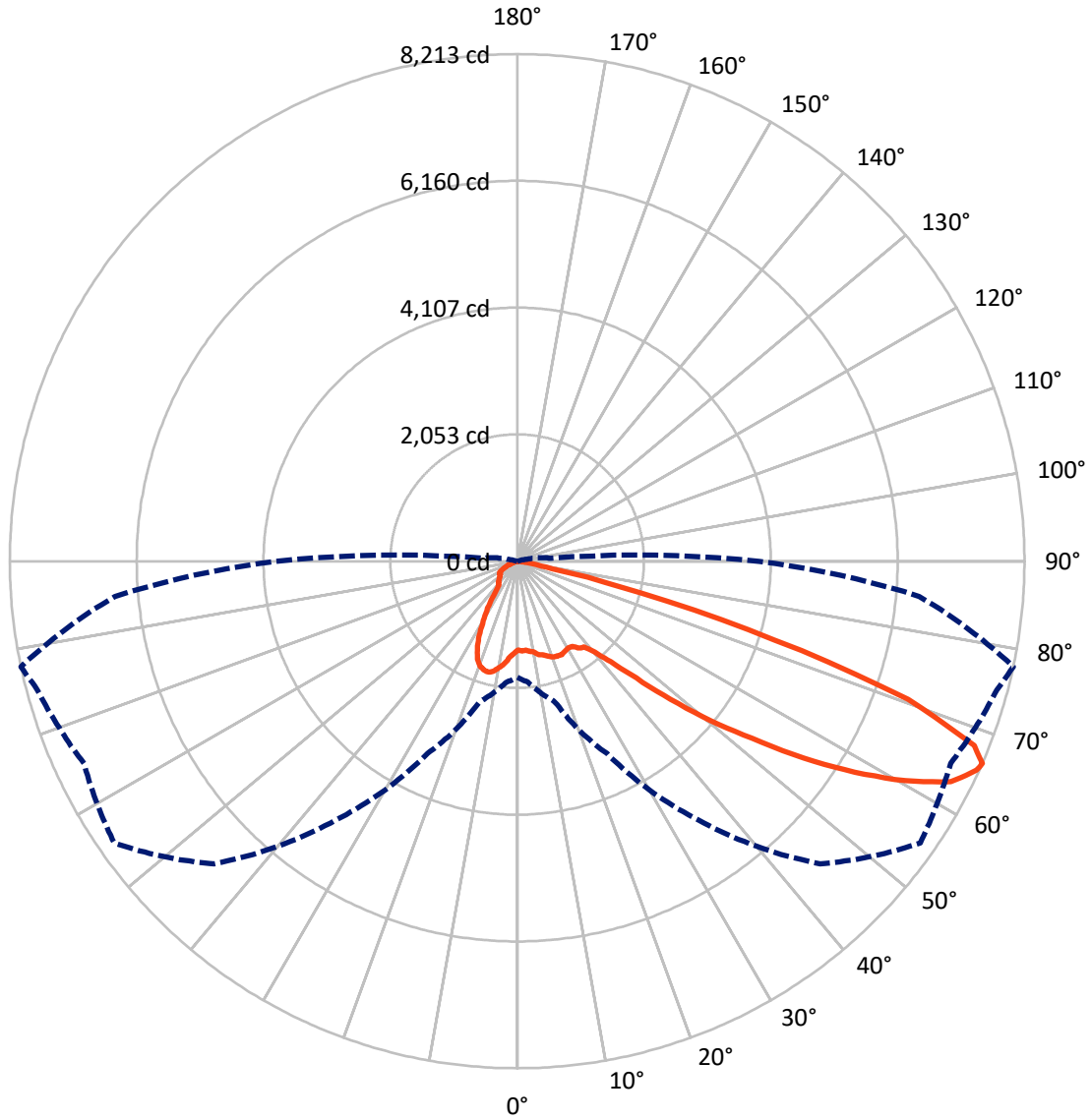
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 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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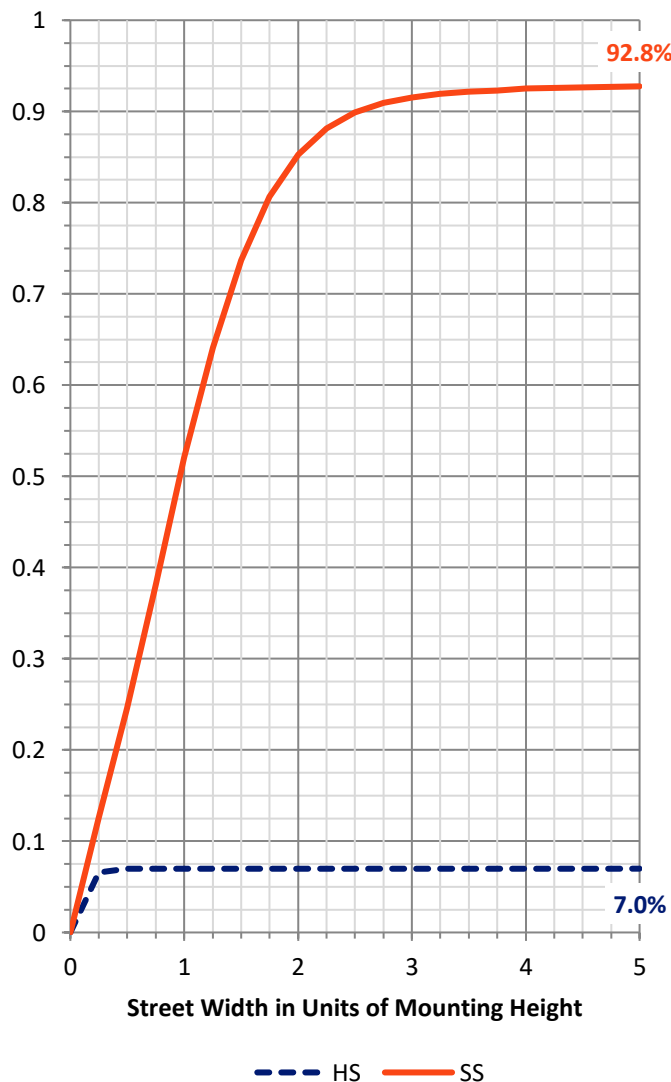
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	631.7	0.0	631.7
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	8352.9	0.0	8352.9
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	8984.5	0.0	8984.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.6	1.5
10°-20°	297.2	3.3
20°-30°	424.8	4.7
30°-40°	727.1	8.1
40°-50°	1312.3	14.6
50°-60°	2244.2	25.0
60°-70°	2762.2	30.7
70°-80°	1044.3	11.6
80°-90°	40.8	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°	8984.5	100.0
0°-180°	8984.5	100.0

**Coefficient of Utilization**

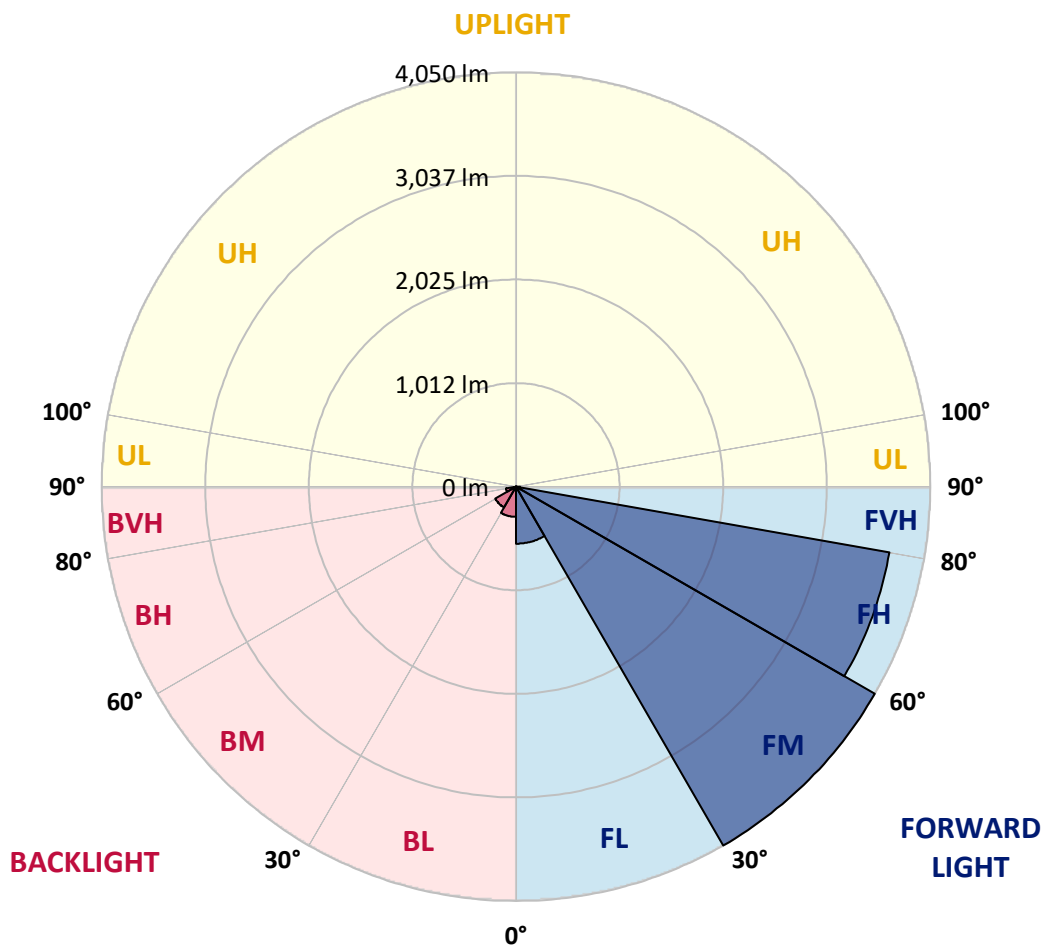


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.8	6.2			
FM (30°-60°)	4049.5	45.1			
FH (60°-80°)	3706.4	41.3			G2/5000
FVH (80°-90°)	39.2	0.4			G1/100
BL (0°-30°)	295.8	3.3	B1/500		
BM (30°-60°)	234.1	2.6	B1/1000		
BH (60°-80°)	100.1	1.1	B0/110		G0/110
BVH (80°-90°)	1.6	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°	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0
2.5°	1323.6	1311.4	1323.6	1341.3	1350.8	1358.9	1387.4	1411.9	1437.7	1455.3	1449.9
5°	1227.2	1250.3	1253.0	1258.5	1273.4	1322.3	1338.6	1380.7	1444.5	1449.9	1474.3
7.5°	1151.2	1144.4	1162.1	1197.4	1235.4	1263.9	1311.4	1384.7	1451.2	1474.3	1521.8
10°	1041.3	1054.8	1073.8	1109.1	1155.3	1225.9	1310.1	1391.5	1486.5	1494.7	1582.9
12.5°	981.5	968.0	997.8	1034.5	1113.2	1178.4	1281.6	1379.3	1508.3	1553.1	1654.9
15°	932.7	939.4	968.0	992.4	1057.6	1140.4	1261.2	1409.2	1544.9	1576.1	1730.9
17.5°	912.3	908.2	929.9	954.4	1034.5	1128.1	1253.0	1410.5	1577.5	1618.2	1782.5
20°	921.8	929.9	923.2	946.2	996.5	1091.5	1265.3	1436.3	1601.9	1657.6	1838.2
22.5°	1071.1	1060.3	1006.0	962.5	965.2	1076.6	1255.8	1452.6	1623.7	1668.5	1876.2
25°	1460.8	1402.4	1268.0	1101.0	991.0	1035.8	1244.9	1447.2	1619.6	1675.2	1899.2
27.5°	1853.1	1802.9	1671.2	1411.9	1095.6	1019.5	1206.9	1451.2	1599.2	1650.8	1861.2
30°	2267.2	2294.3	2098.8	1790.6	1369.8	1109.1	1182.4	1429.5	1585.6	1629.1	1869.4
32.5°	2692.1	2681.2	2563.1	2229.1	1762.1	1307.3	1221.8	1451.2	1603.3	1645.4	1916.9
35°	3024.7	2986.7	2867.2	2565.8	2086.6	1606.0	1357.6	1554.4	1680.7	1730.9	1984.8
37.5°	3188.9	3205.2	3136.0	2874.0	2442.3	1883.0	1527.3	1554.4	1705.1	1763.5	2094.7
40°	3316.6	3365.4	3339.6	3255.5	2795.2	2195.2	1714.6	1650.8	1828.7	1938.6	2301.1
42.5°	3470.0	3446.9	3598.9	3521.6	3256.8	2588.9	2043.2	1880.2	2120.5	2226.4	2610.6
45°	3551.4	3639.7	3755.1	3854.2	3684.5	3080.3	2472.1	2286.2	2567.2	2701.6	3070.8
47.5°	3760.5	3795.8	3983.1	4108.0	4032.0	3642.4	3123.8	2879.4	3129.2	3341.0	3597.6
50°	3882.7	3835.2	4097.2	4287.2	4330.7	4108.0	3707.5	3517.5	3797.1	4067.3	4090.4
52.5°	3775.4	3911.2	4173.2	4513.9	4634.8	4523.4	4393.1	4310.3	4507.2	4756.9	4645.6
55°	3399.4	3491.7	4129.7	4762.4	5152.0	5100.4	5221.2	5166.9	5365.1	5629.9	5294.5
57.5°	3096.6	3212.0	3772.7	4891.3	5633.9	5786.0	5938.0	5904.1	6143.0	6448.5	5844.4
60°	2907.9	2974.4	3514.8	4858.8	5919.0	6494.6	6838.1	6599.2	6988.8	7222.3	6274.7
62.5°	2580.8	2622.8	3138.7	4427.1	6004.6	6995.6	7578.0	7253.5	7591.6	7876.7	6584.2
65°	2068.9	2183.0	2609.3	3780.8	5439.8	7087.9	8039.6	7658.1	7985.3	8172.6	6677.9
66°	1883.0	1965.8	2356.8	3438.7	5118.1	6934.5	7962.2	7742.3	8042.3	8213.3	6534.0
67.5°	1562.6	1634.5	1945.4	2951.4	4459.6	6596.5	8016.5	7685.2	8085.7	7981.2	6341.2
70°	1034.5	1080.6	1330.4	1995.6	3106.1	5396.4	7435.4	7240.0	7108.3	6715.9	4957.9
72.5°	483.3	549.8	830.8	1209.6	1821.9	3775.4	6062.9	5800.9	4985.0	4357.8	3127.9
75°	218.6	248.4	456.1	693.7	817.3	1956.3	3911.2	3532.4	2481.6	2060.8	1369.8
77.5°	118.1	134.4	222.6	329.9	297.3	685.6	1935.9	1610.1	782.0	572.9	397.8
80°	91.0	107.2	186.0	188.7	110.0	177.8	719.5	498.2	195.5	148.0	95.0
82.5°	47.5	67.9	146.6	122.2	55.7	72.0	222.6	138.5	61.1	48.9	40.7
85°	19.0	29.9	82.8	81.5	32.6	24.4	62.4	42.1	24.4	20.4	19.0
87.5°	1.4	1.4	44.8	31.2	20.4	6.8	9.5	9.5	12.2	10.9	13.6
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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 CATALOG NUMBER: IFLD-S-SA3B-722-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0	1439.0
2.5°	1474.3	1490.6	1493.3	1538.1	1547.6	1538.1	1562.6	1558.5	1569.4	1561.2	1546.3
5°	1508.3	1531.3	1576.1	1610.1	1610.1	1582.9	1561.2	1532.7	1490.6	1479.8	1471.6
7.5°	1566.6	1640.0	1680.7	1659.0	1615.5	1513.7	1372.5	1269.3	1182.4	1149.9	1134.9
10°	1669.8	1710.5	1758.1	1669.8	1489.3	1273.4	1035.8	879.7	757.5	730.4	710.0
12.5°	1736.3	1801.5	1828.7	1610.1	1255.8	934.0	676.1	499.6	414.1	348.9	338.0
15°	1823.2	1897.9	1842.2	1448.5	989.7	612.3	350.3	218.6	177.8	167.0	167.0
17.5°	1883.0	1964.4	1786.6	1247.6	701.9	325.8	173.8	150.7	148.0	149.3	146.6
20°	1987.5	2036.4	1702.4	1014.1	419.5	167.0	139.8	134.4	131.7	135.8	133.0
22.5°	2026.9	2071.7	1565.3	734.4	188.7	111.3	104.5	100.5	103.2	101.8	100.5
25°	2024.1	2047.2	1339.9	420.8	55.7	43.4	39.4	39.4	36.7	38.0	36.7
27.5°	2044.5	1987.5	1087.4	124.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	2055.4	1891.1	773.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	2060.8	1840.9	498.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	2102.9	1740.4	213.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	2131.4	1611.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	2249.5	1570.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2402.9	1494.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2616.0	1382.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2898.4	1315.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3108.8	1211.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3376.3	1148.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3694.0	1151.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3983.1	1132.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	4131.1	968.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	4099.9	783.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3991.3	615.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	3916.6	544.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3689.9	435.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2936.4	298.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1868.0	183.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	860.7	84.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	270.2	51.6	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	70.6	32.6	10.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	36.7	23.1	9.5	4.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.1	9.5	4.1	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.4	5.4	2.7	2.7	1.4	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)