

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: P482831

Luminaire Tested: **IFLD-S-SA2A-740-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482831  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-740-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R  
distribution lens with House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

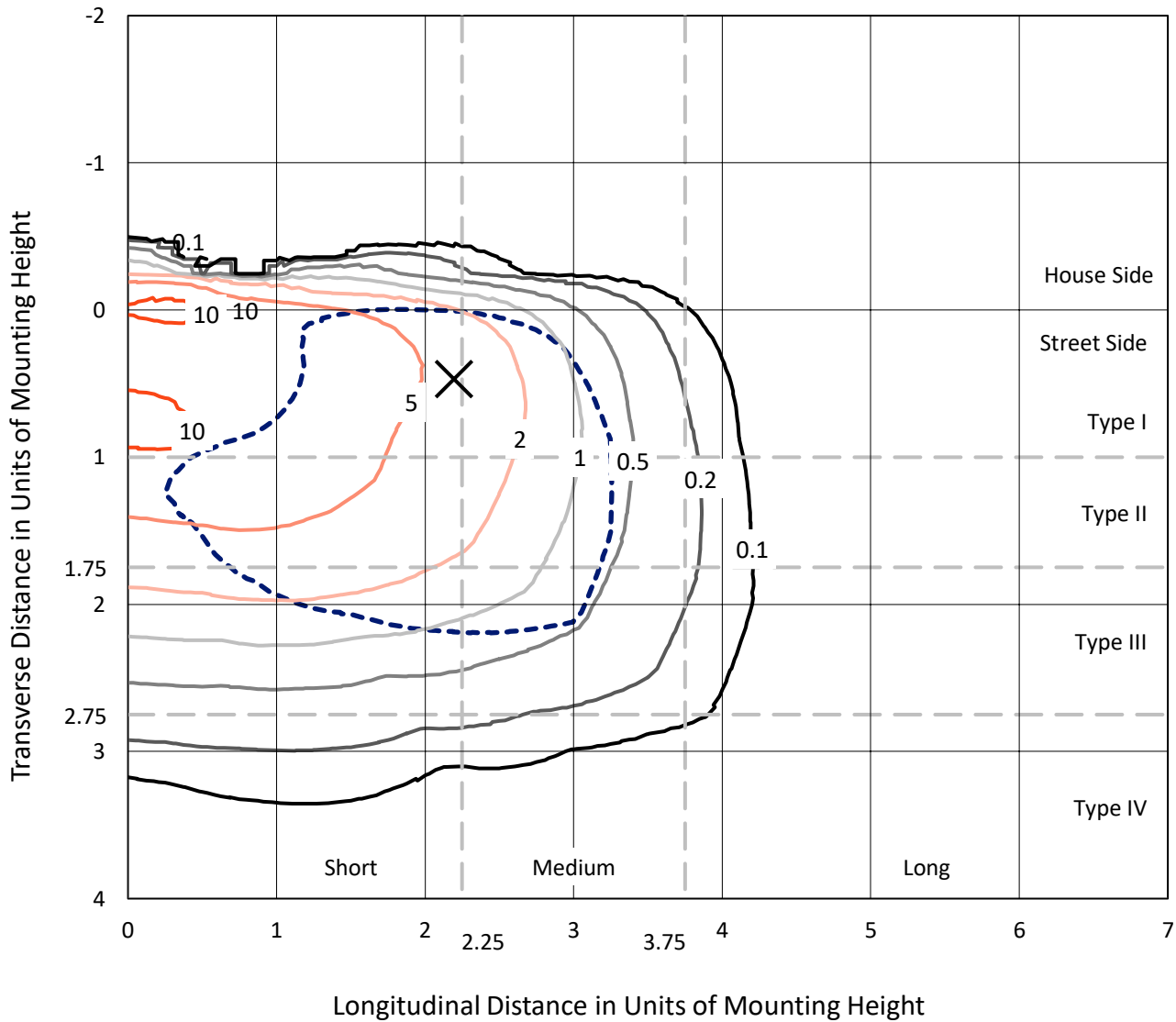
Lumens per Lamp: N/A  
Luminaire Lumens: 6617.9 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8  
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

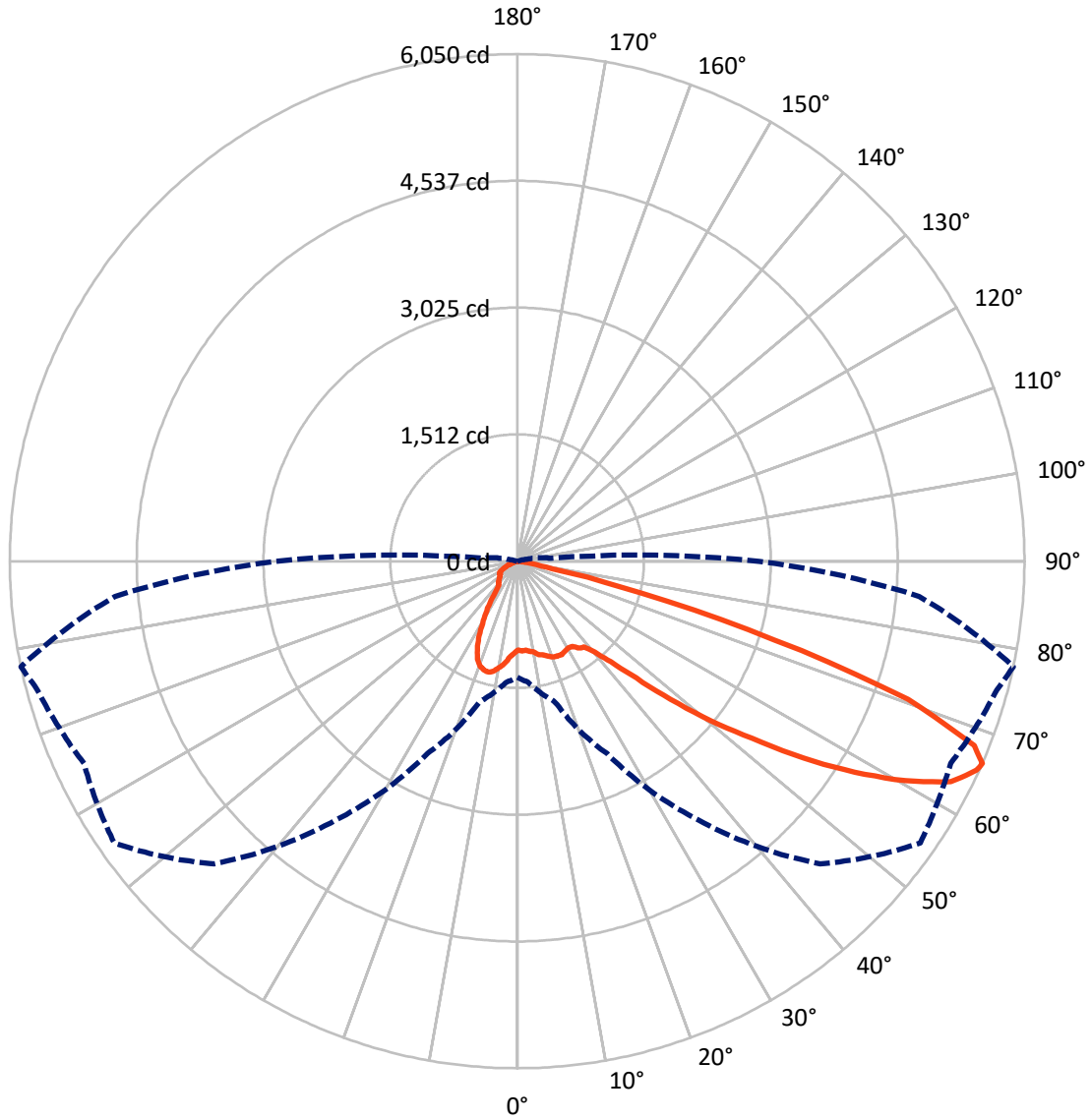
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 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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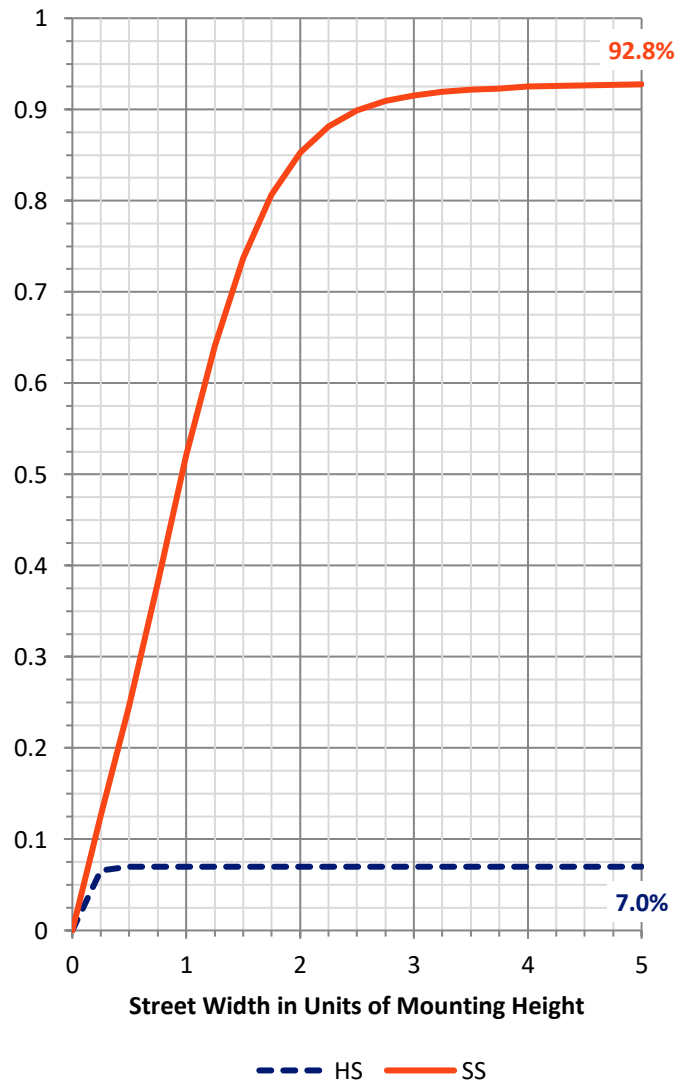
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	465.3	0.0	465.3
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	6152.6	0.0	6152.6
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	6617.9	0.0	6617.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.0	1.5
10°-20°	218.9	3.3
20°-30°	312.9	4.7
30°-40°	535.6	8.1
40°-50°	966.6	14.6
50°-60°	1653.1	25.0
60°-70°	2034.6	30.7
70°-80°	769.2	11.6
80°-90°	30.0	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°	6617.9	100.0
0°-180°	6617.9	100.0

**Coefficient of Utilization**

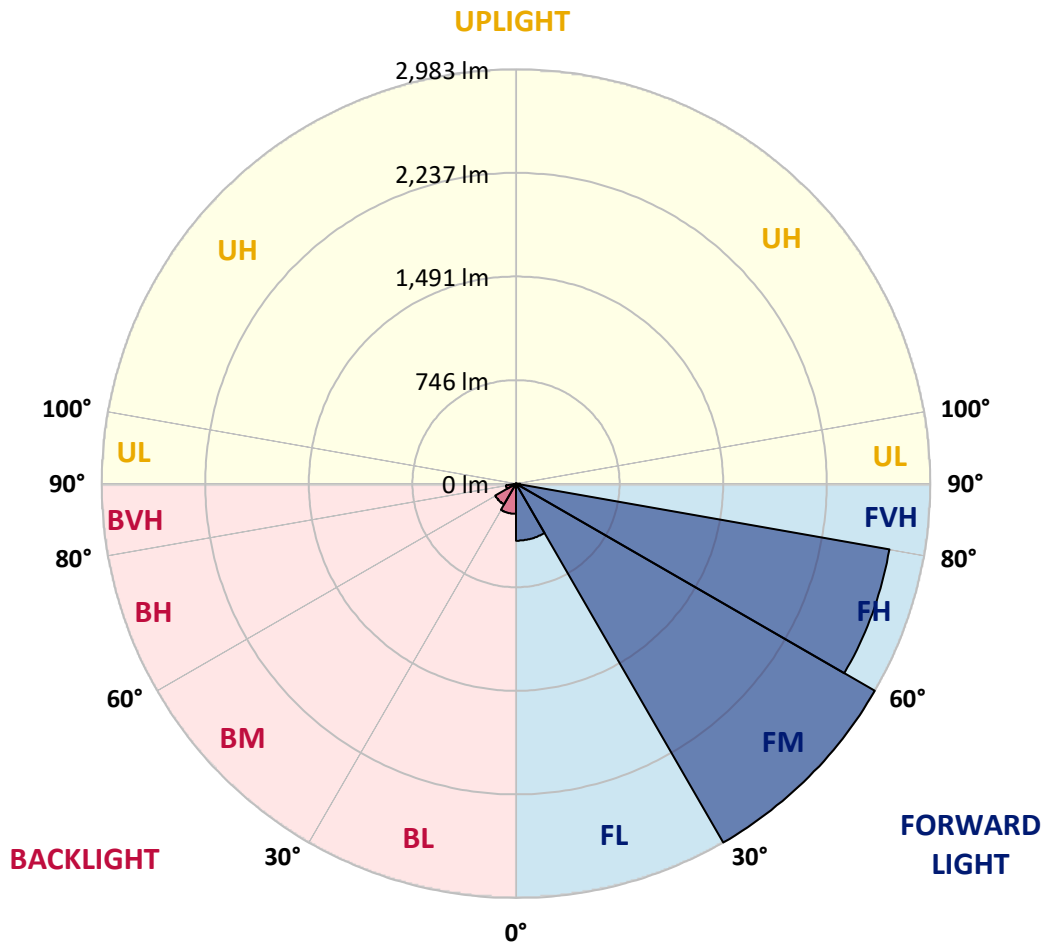


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.9	6.2			
FM (30°-60°)	2982.8	45.1			
FH (60°-80°)	2730.1	41.3			G2/5000
FVH (80°-90°)	28.8	0.4			G1/100
BL (0°-30°)	217.9	3.3	B1/500		
BM (30°-60°)	172.4	2.6	B0/220		
BH (60°-80°)	73.7	1.1	B0/110		G0/110
BVH (80°-90°)	1.2	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°	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0
2.5°	975.0	966.0	975.0	988.0	995.0	1001.0	1022.0	1040.0	1059.0	1072.0	1068.0
5°	904.0	921.0	923.0	927.0	938.0	974.0	986.0	1017.0	1064.0	1068.0	1086.0
7.5°	848.0	843.0	856.0	882.0	910.0	931.0	966.0	1020.0	1069.0	1086.0	1121.0
10°	767.0	777.0	791.0	817.0	851.0	903.0	965.0	1025.0	1095.0	1101.0	1166.0
12.5°	723.0	713.0	735.0	762.0	820.0	868.0	944.0	1016.0	1111.0	1144.0	1219.0
15°	687.0	692.0	713.0	731.0	779.0	840.0	929.0	1038.0	1138.0	1161.0	1275.0
17.5°	672.0	669.0	685.0	703.0	762.0	831.0	923.0	1039.0	1162.0	1192.0	1313.0
20°	679.0	685.0	680.0	697.0	734.0	804.0	932.0	1058.0	1180.0	1221.0	1354.0
22.5°	789.0	781.0	741.0	709.0	711.0	793.0	925.0	1070.0	1196.0	1229.0	1382.0
25°	1076.0	1033.0	934.0	811.0	730.0	763.0	917.0	1066.0	1193.0	1234.0	1398.9
27.5°	1365.0	1328.0	1231.0	1040.0	807.0	751.0	889.0	1069.0	1178.0	1216.0	1371.0
30°	1669.9	1689.9	1545.9	1319.0	1009.0	817.0	871.0	1053.0	1168.0	1200.0	1377.0
32.5°	1982.9	1974.9	1887.9	1641.9	1298.0	963.0	900.0	1069.0	1181.0	1212.0	1411.9
35°	2227.9	2199.9	2111.9	1889.9	1536.9	1183.0	1000.0	1145.0	1238.0	1275.0	1461.9
37.5°	2348.9	2360.9	2309.9	2116.9	1798.9	1387.0	1125.0	1145.0	1256.0	1299.0	1542.9
40°	2442.9	2478.9	2459.9	2397.9	2058.9	1616.9	1263.0	1216.0	1347.0	1427.9	1694.9
42.5°	2555.9	2538.9	2650.9	2593.9	2398.9	1906.9	1504.9	1385.0	1561.9	1639.9	1922.9
45°	2615.9	2680.9	2765.9	2838.9	2713.9	2268.9	1820.9	1683.9	1890.9	1989.9	2261.9
47.5°	2769.9	2795.9	2933.9	3025.9	2969.9	2682.9	2300.9	2120.9	2304.9	2460.9	2649.9
50°	2859.9	2824.9	3017.9	3157.9	3189.9	3025.9	2730.9	2590.9	2796.9	2995.9	3012.9
52.5°	2780.9	2880.9	3073.9	3324.9	3413.9	3331.9	3235.9	3174.9	3319.9	3503.9	3421.9
55°	2503.9	2571.9	3041.9	3507.9	3794.9	3756.9	3845.9	3805.9	3951.9	4146.9	3899.9
57.5°	2280.9	2365.9	2778.9	3602.9	4149.9	4261.8	4373.8	4348.8	4524.8	4749.8	4304.8
60°	2141.9	2190.9	2588.9	3578.9	4359.8	4783.8	5036.8	4860.8	5147.8	5319.8	4621.8
62.5°	1900.9	1931.9	2311.9	3260.9	4422.8	5152.8	5581.8	5342.8	5591.8	5801.8	4849.8
65°	1523.9	1607.9	1921.9	2784.9	4006.9	5220.8	5921.8	5640.8	5881.8	6019.8	4918.8
66°	1387.0	1447.9	1735.9	2532.9	3769.9	5107.8	5864.8	5702.8	5923.8	6049.8	4812.8
67.5°	1151.0	1204.0	1432.9	2173.9	3284.9	4858.8	5904.8	5660.8	5955.8	5878.8	4670.8
70°	762.0	796.0	980.0	1469.9	2287.9	3974.9	5476.8	5332.8	5235.8	4946.8	3651.9
72.5°	356.0	405.0	612.0	891.0	1342.0	2780.9	4465.8	4272.8	3671.9	3209.9	2303.9
75°	161.0	183.0	336.0	511.0	602.0	1440.9	2880.9	2601.9	1827.9	1517.9	1009.0
77.5°	87.0	99.0	164.0	243.0	219.0	505.0	1425.9	1186.0	576.0	422.0	293.0
80°	67.0	79.0	137.0	139.0	81.0	131.0	530.0	367.0	144.0	109.0	70.0
82.5°	35.0	50.0	108.0	90.0	41.0	53.0	164.0	102.0	45.0	36.0	30.0
85°	14.0	22.0	61.0	60.0	24.0	18.0	46.0	31.0	18.0	15.0	14.0
87.5°	1.0	1.0	33.0	23.0	15.0	5.0	7.0	7.0	9.0	8.0	10.0
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°	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0
2.5°	1086.0	1098.0	1100.0	1133.0	1140.0	1133.0	1151.0	1148.0	1156.0	1150.0	1139.0
5°	1111.0	1128.0	1161.0	1186.0	1186.0	1166.0	1150.0	1129.0	1098.0	1090.0	1084.0
7.5°	1154.0	1208.0	1238.0	1222.0	1190.0	1115.0	1011.0	935.0	871.0	847.0	836.0
10°	1230.0	1260.0	1295.0	1230.0	1097.0	938.0	763.0	648.0	558.0	538.0	523.0
12.5°	1279.0	1327.0	1347.0	1186.0	925.0	688.0	498.0	368.0	305.0	257.0	249.0
15°	1343.0	1397.9	1357.0	1067.0	729.0	451.0	258.0	161.0	131.0	123.0	123.0
17.5°	1387.0	1446.9	1316.0	919.0	517.0	240.0	128.0	111.0	109.0	110.0	108.0
20°	1463.9	1499.9	1254.0	747.0	309.0	123.0	103.0	99.0	97.0	100.0	98.0
22.5°	1492.9	1525.9	1153.0	541.0	139.0	82.0	77.0	74.0	76.0	75.0	74.0
25°	1490.9	1507.9	987.0	310.0	41.0	32.0	29.0	29.0	27.0	28.0	27.0
27.5°	1505.9	1463.9	801.0	92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1513.9	1393.0	570.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1517.9	1356.0	367.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1548.9	1282.0	157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1569.9	1187.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1656.9	1157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1769.9	1101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1926.9	1018.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2134.9	969.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2289.9	892.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2486.9	846.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2720.9	848.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2933.9	834.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3042.9	713.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3019.9	577.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2939.9	453.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	2884.9	401.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2717.9	321.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2162.9	220.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1376.0	135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	634.0	62.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	199.0	38.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	52.0	24.0	8.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.0	17.0	7.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.0	7.0	3.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.0	4.0	2.0	2.0	1.0	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)