

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: P565345

Luminaire Tested: **IFLD-S-SA6A-AMB-U-SL4**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565345  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-AMB-U-SL4  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL4 distribution lens  
Light Source: (96) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

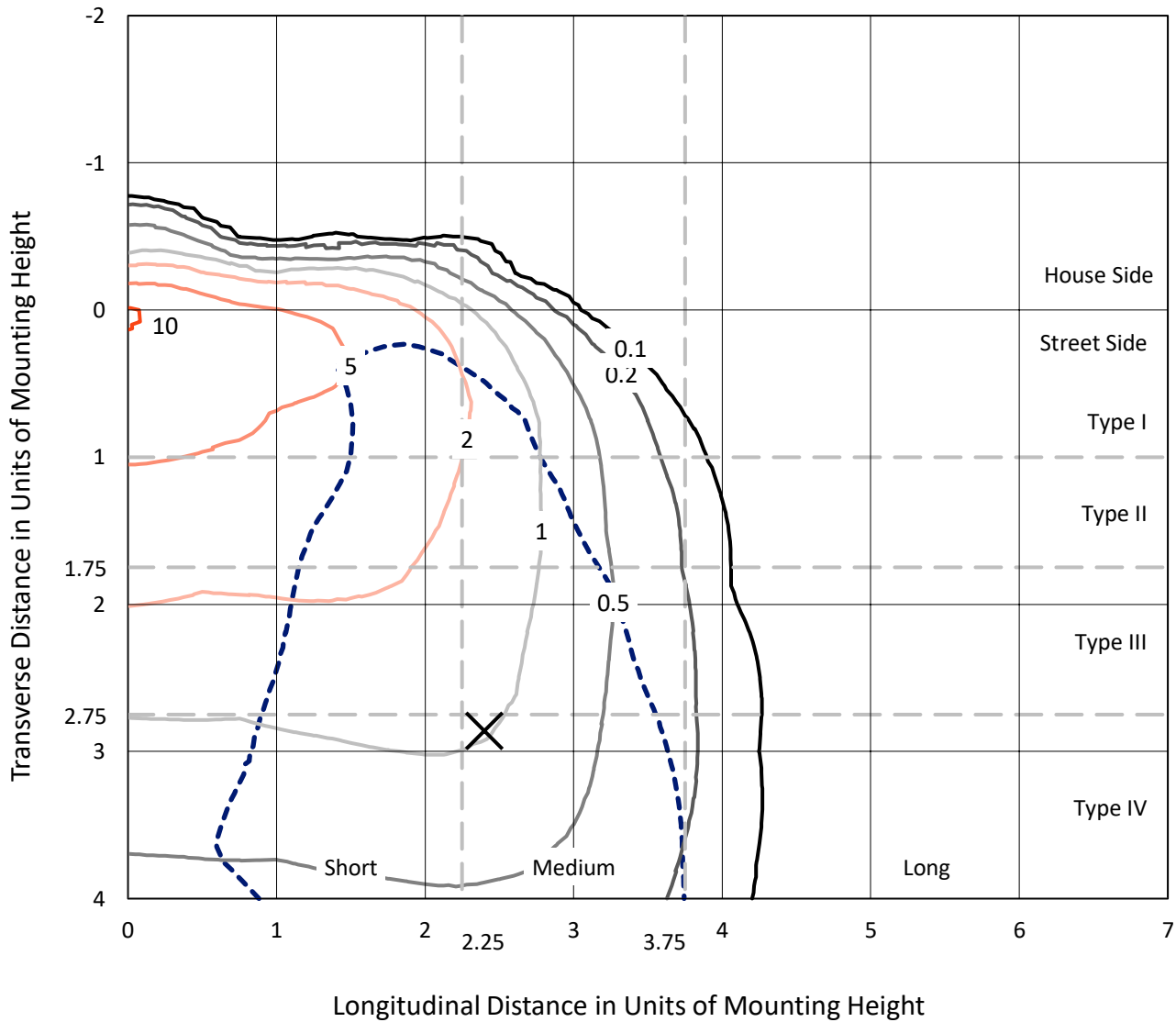
Lumens per Lamp: N/A  
Luminaire Lumens: 6205.8 lumens  
Efficiency: N/A  
Efficacy: 50.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G3

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

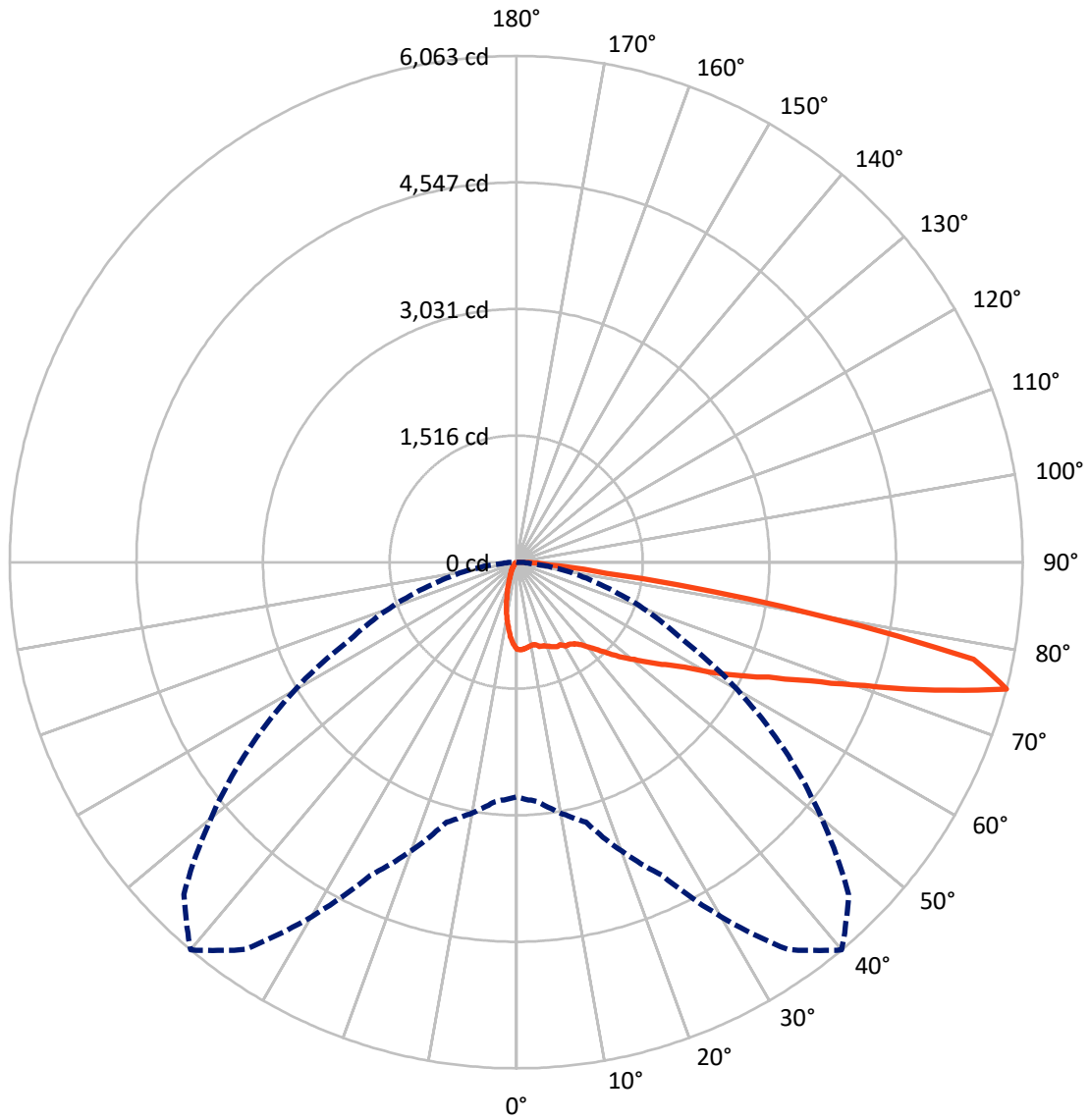
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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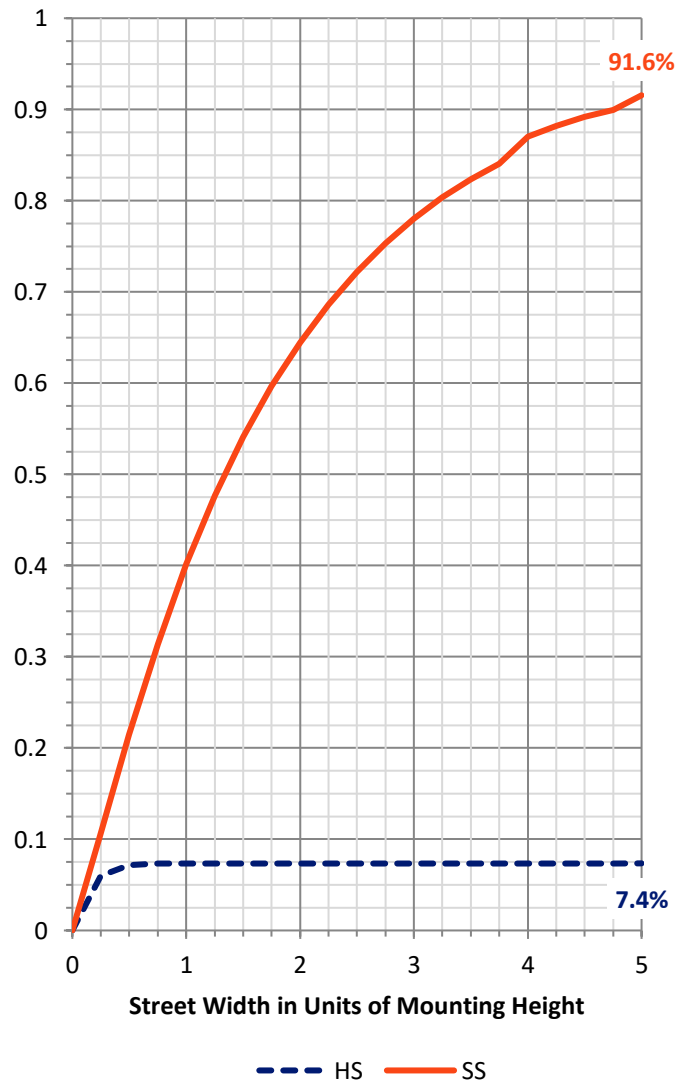
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	461.5	0.0	461.5
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	5744.3	0.0	5744.3
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	6205.8	0.0	6205.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.7	1.4
10°-20°	220.9	3.6
20°-30°	328.5	5.3
30°-40°	456.3	7.4
40°-50°	689.2	11.1
50°-60°	1082.7	17.4
60°-70°	1548.7	25.0
70°-80°	1542.1	24.8
80°-90°	247.6	4.0
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°	6205.8	100.0
0°-180°	6205.8	100.0

**Coefficient of Utilization**

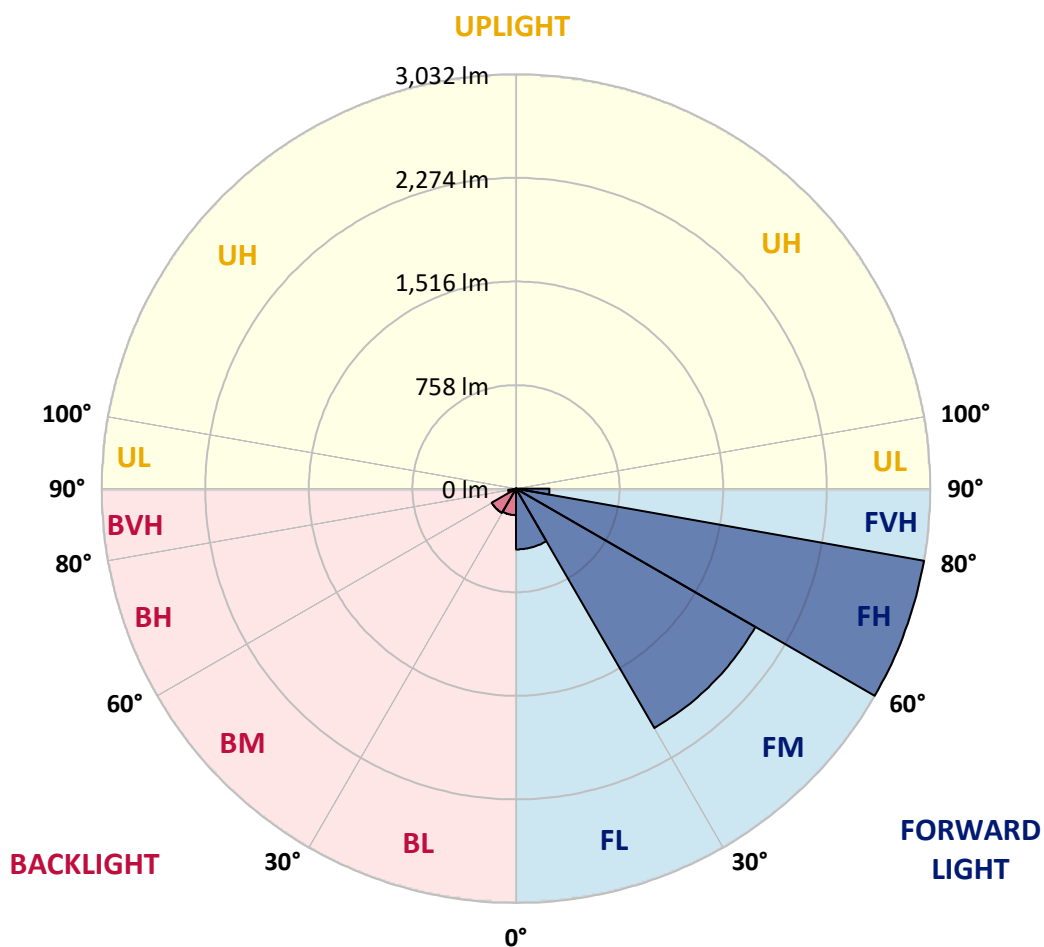


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.7	7.2			
FM (30°-60°)	2023.0	32.6			
FH (60°-80°)	3031.8	48.9			G2/5000
FVH (80°-90°)	244.8	3.9			G3/500
BL (0°-30°)	194.4	3.1	B1/500		
BM (30°-60°)	205.3	3.3	B0/220		
BH (60°-80°)	59.0	1.0	B0/110		G0/110
BVH (80°-90°)	2.8	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-G3**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8
2.5°	1060.6	1049.3	1056.8	1038.0	1041.8	1053.1	1049.3	1049.3	1053.1	1053.1	1053.1
5°	1030.5	1053.1	1045.6	1034.3	1049.3	1041.8	1038.0	1049.3	1038.0	1034.3	1030.5
7.5°	1030.5	1026.8	1030.5	1015.5	1026.8	1026.8	1034.3	1034.3	1023.0	1023.0	1015.5
10°	1000.4	989.1	1004.2	1004.2	1008.0	1011.7	1023.0	1015.5	1004.2	992.9	989.1
12.5°	959.1	981.6	996.7	1011.7	1023.0	1011.7	1011.7	1026.8	1015.5	1004.2	989.1
15°	977.9	966.6	989.1	1023.0	1041.8	1049.3	1045.6	1030.5	1034.3	1015.5	996.7
17.5°	992.9	981.6	989.1	1019.2	1041.8	1053.1	1064.4	1071.9	1034.3	1026.8	992.9
20°	1004.2	981.6	1026.8	1049.3	1075.6	1075.6	1071.9	1071.9	1049.3	1053.1	1008.0
22.5°	1030.5	1023.0	1030.5	1079.4	1098.2	1098.2	1094.5	1094.5	1056.8	1049.3	1026.8
25°	1068.1	1060.6	1068.1	1105.7	1109.5	1124.5	1120.8	1083.2	1064.4	1071.9	1034.3
27.5°	1109.5	1094.5	1102.0	1132.1	1124.5	1120.8	1128.3	1105.7	1079.4	1105.7	1075.6
30°	1135.8	1147.1	1135.8	1169.7	1147.1	1165.9	1147.1	1105.7	1102.0	1135.8	1120.8
32.5°	1207.3	1196.0	1192.2	1192.2	1173.4	1173.4	1165.9	1143.3	1139.6	1196.0	1165.9
35°	1290.0	1259.9	1241.1	1222.3	1192.2	1199.8	1207.3	1162.2	1177.2	1271.2	1222.3
37.5°	1354.0	1346.4	1316.4	1275.0	1244.9	1252.4	1256.2	1229.8	1259.9	1380.3	1301.3
40°	1402.9	1380.3	1376.5	1365.2	1305.1	1342.7	1338.9	1301.3	1369.0	1511.9	1440.5
42.5°	1432.9	1436.7	1455.5	1425.4	1417.9	1436.7	1436.7	1421.7	1489.4	1700.0	1594.7
45°	1493.1	1489.4	1496.9	1530.7	1527.0	1560.8	1542.0	1553.3	1673.6	1921.9	1779.0
47.5°	1549.5	1560.8	1557.1	1598.4	1636.0	1700.0	1715.0	1700.0	1861.7	2166.3	1955.7
50°	1613.5	1598.4	1602.2	1707.5	1790.2	1831.6	1891.8	1873.0	2072.3	2444.7	2181.4
52.5°	1707.5	1700.0	1643.6	1842.9	1903.1	1997.1	2038.5	2068.6	2298.0	2745.5	2392.0
55°	1820.3	1786.5	1718.8	1933.2	2057.3	2166.3	2275.4	2294.2	2572.5	3005.0	2531.2
57.5°	1974.5	1914.4	1831.6	2083.6	2275.4	2373.2	2474.7	2550.0	2835.8	3200.6	2670.3
60°	2102.4	2076.1	1955.7	2211.5	2497.3	2677.8	2760.6	2865.9	3121.6	3411.2	2824.5
62.5°	2226.5	2192.7	2147.5	2437.1	2809.5	2993.8	3057.7	3166.8	3415.0	3599.3	2888.5
65°	2316.8	2298.0	2260.4	2625.2	3181.8	3324.7	3403.7	3591.8	3682.0	3663.2	2726.7
67.5°	2418.3	2407.0	2463.5	2929.8	3550.4	3787.3	3930.3	3960.3	3832.5	3490.2	2290.5
70°	2542.4	2576.3	2719.2	3245.8	4114.5	4422.9	4622.3	4336.4	3689.5	3046.4	1587.1
72.5°	2715.4	2786.9	3001.3	3753.5	4866.7	5239.1	5220.3	4468.1	3245.8	2170.1	740.9
75°	2813.2	2877.2	3223.2	4140.9	5664.1	6062.7	5626.5	3919.0	2192.7	1038.0	161.7
77.5°	2403.3	2580.1	3005.0	4238.7	5731.8	5600.1	4599.7	2384.5	902.6	334.7	109.1
80°	1335.2	1444.2	1763.9	2707.9	3757.2	3253.3	2361.9	936.5	357.3	206.9	105.3
82.5°	504.0	522.8	643.1	868.8	1165.9	1090.7	778.5	537.8	236.9	116.6	33.8
85°	342.3	357.3	398.7	406.2	413.7	402.4	409.9	481.4	176.8	48.9	18.8
87.5°	203.1	214.4	236.9	225.7	221.9	214.4	263.3	470.1	60.2	15.0	3.8
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°	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8	1041.8
2.5°	1038.0	1038.0	1011.7	1023.0	1004.2	985.4	981.6	970.3	966.6	966.6	944.0
5°	1026.8	1019.2	981.6	962.8	932.7	910.2	880.1	857.5	853.7	838.7	823.7
7.5°	989.1	996.7	959.1	913.9	857.5	808.6	752.2	718.4	703.3	688.3	673.2
10°	977.9	966.6	940.3	865.0	782.3	703.3	643.1	579.2	541.6	522.8	519.0
12.5°	970.3	951.5	883.8	797.3	695.8	601.8	515.3	443.8	391.1	372.3	361.1
15°	966.6	955.3	838.7	729.6	616.8	500.2	409.9	331.0	274.6	255.7	248.2
17.5°	985.4	940.3	801.1	669.5	530.3	402.4	315.9	233.2	195.6	173.0	169.2
20°	970.3	932.7	767.2	601.8	436.3	304.6	229.4	173.0	142.9	135.4	131.6
22.5°	981.6	913.9	725.9	530.3	357.3	240.7	173.0	139.2	124.1	116.6	112.8
25°	989.1	898.9	677.0	451.3	285.8	191.8	139.2	116.6	105.3	101.5	97.8
27.5°	1030.5	913.9	635.6	376.1	221.9	154.2	116.6	101.5	94.0	90.3	86.5
30°	1023.0	913.9	583.0	312.2	176.8	120.4	101.5	86.5	82.7	75.2	75.2
32.5°	1064.4	910.2	526.5	255.7	135.4	97.8	79.0	71.5	71.5	63.9	63.9
35°	1098.2	895.1	458.8	195.6	94.0	67.7	52.7	48.9	45.1	41.4	41.4
37.5°	1135.8	913.9	398.7	139.2	60.2	37.6	30.1	22.6	22.6	18.8	18.8
40°	1222.3	932.7	334.7	97.8	33.8	18.8	3.8	3.8	3.8	0.0	0.0
42.5°	1316.4	962.8	285.8	63.9	11.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	1444.2	1004.2	240.7	41.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1564.6	1071.9	206.9	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1715.0	1113.3	184.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1861.7	1162.2	161.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1963.2	1211.0	135.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2061.0	1241.1	112.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2125.0	1211.0	71.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2091.1	1113.3	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1895.5	876.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1425.4	466.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	729.6	94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	180.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	63.9	48.9	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	37.6	52.7	18.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.3	41.4	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	26.3	7.5	0.0	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)