

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: P565275

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T3**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565275  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-AMB-U-T3  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T3 distribution lens  
Light Source: (112) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

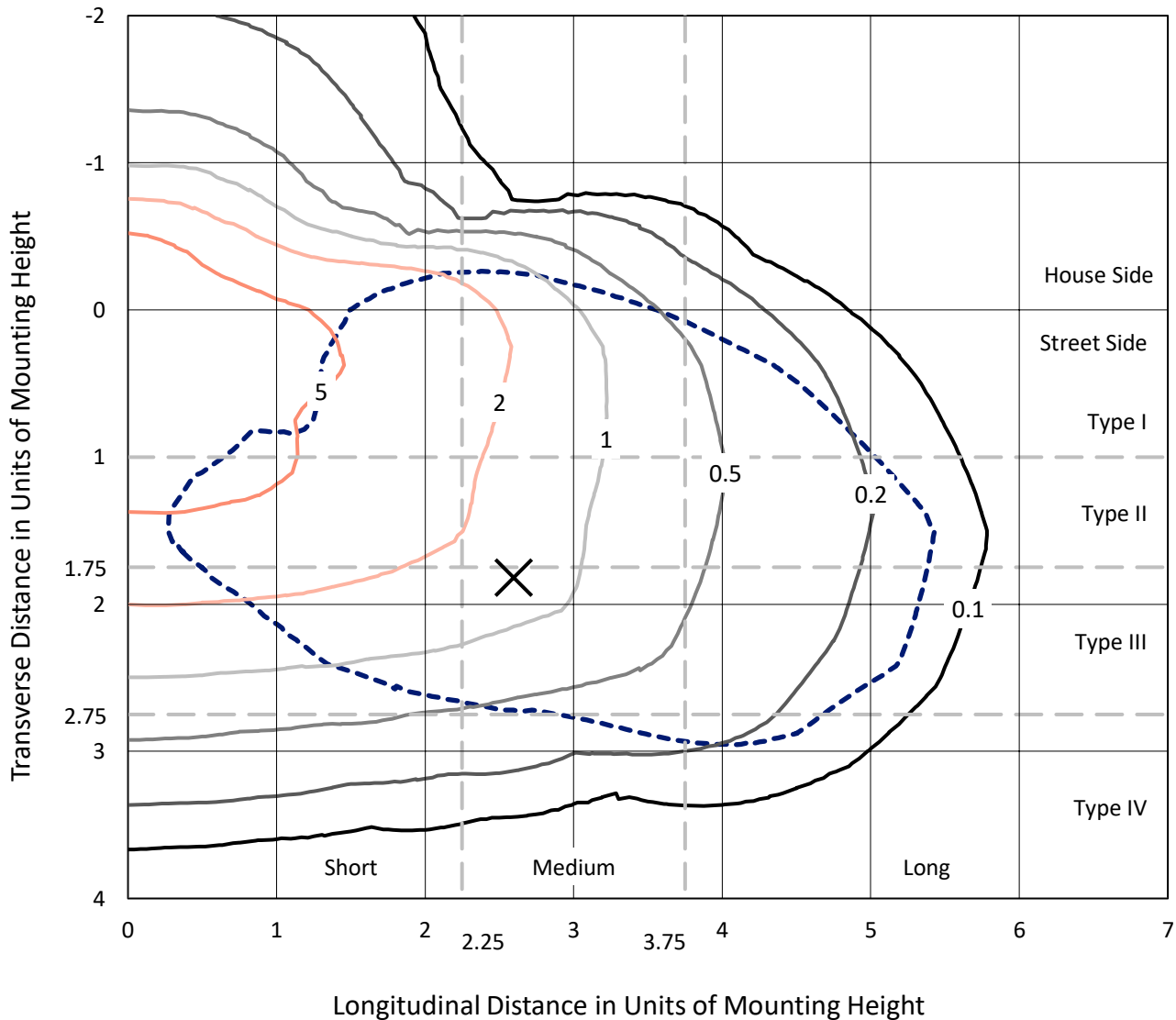
Lumens per Lamp: N/A  
Luminaire Lumens: 7578.9 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5  
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

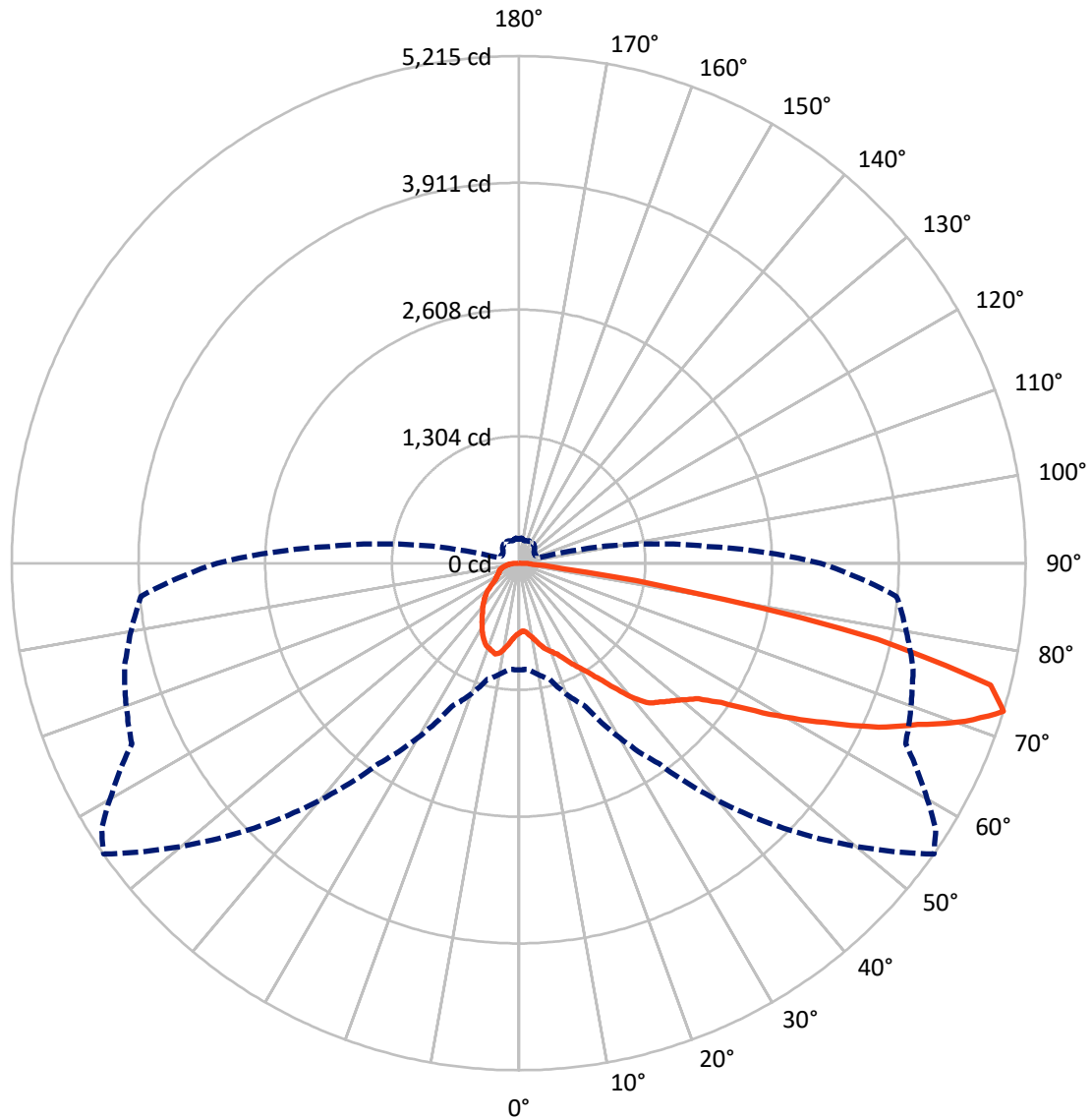
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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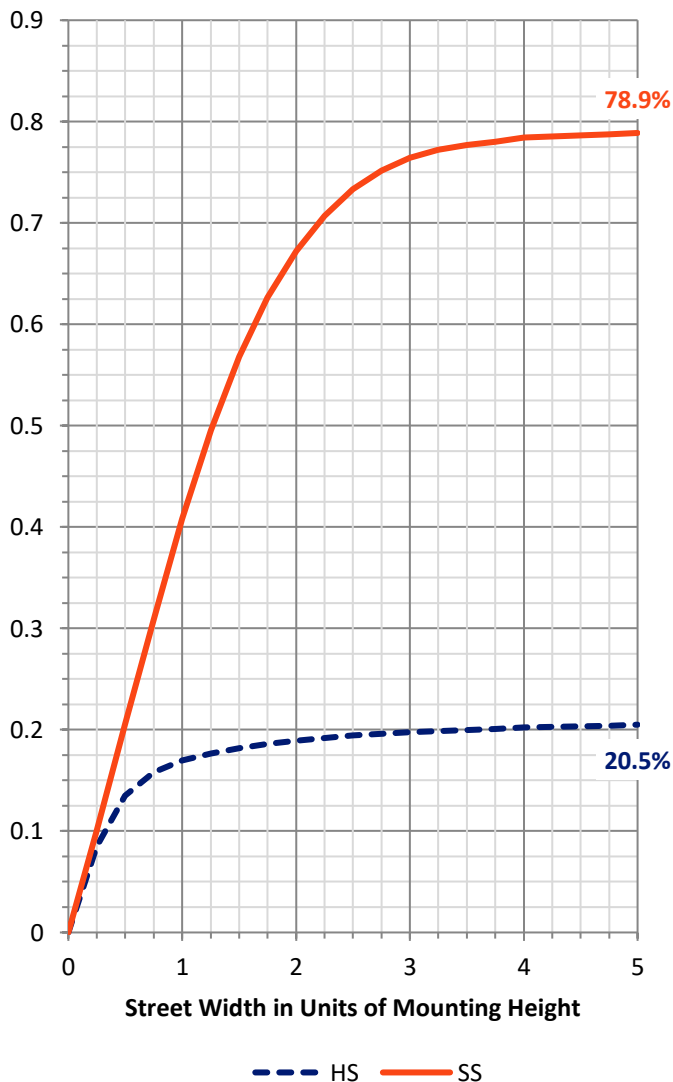
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1582.8	0.0	1582.8
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	5996.2	0.0	5996.2
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	7578.9	0.0	7578.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.4	1.0
10°-20°	259.2	3.4
20°-30°	464.9	6.1
30°-40°	702.4	9.3
40°-50°	1018.2	13.4
50°-60°	1463.4	19.3
60°-70°	1934.5	25.5
70°-80°	1459.8	19.3
80°-90°	202.1	2.7
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°	7578.9	100.0
0°-180°	7578.9	100.0

**Coefficient of Utilization**

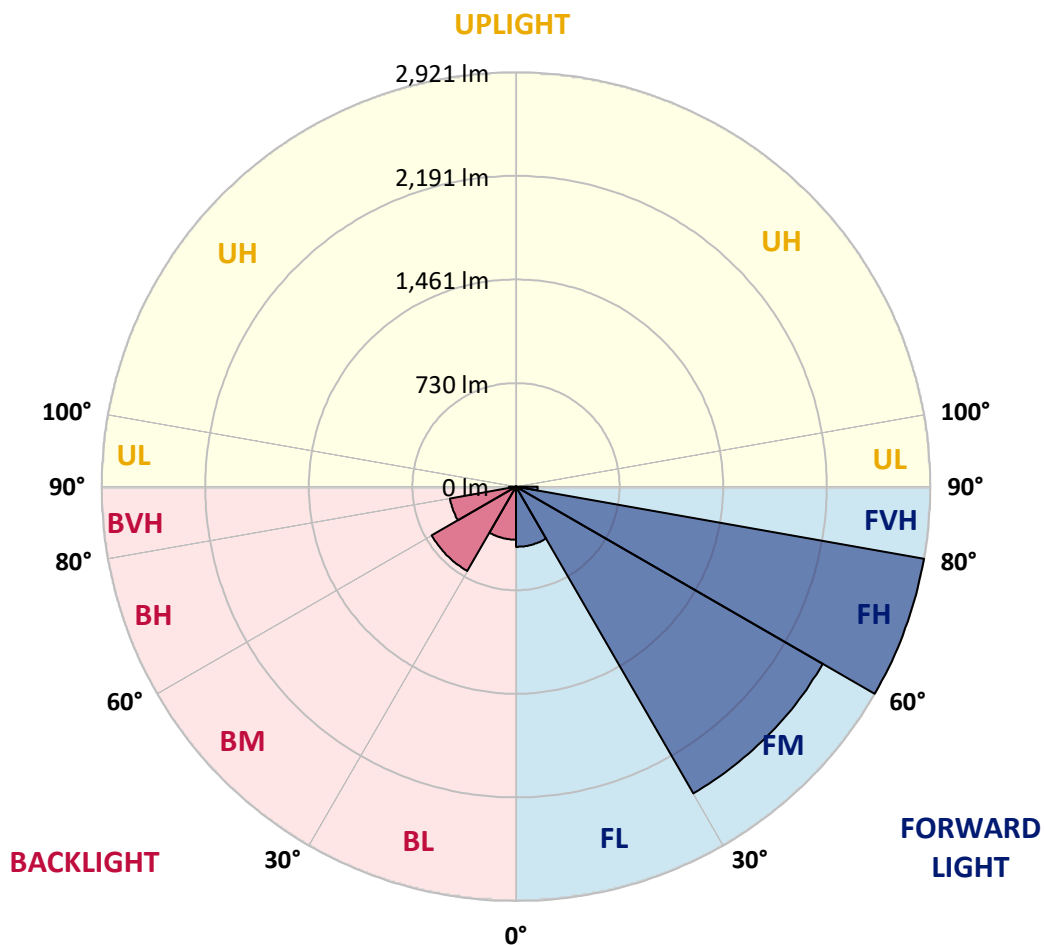


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	424.4	5.6			
FM (30°-60°)	2497.3	33.0			
FH (60°-80°)	2921.2	38.5			G2/5000
FVH (80°-90°)	153.1	2.0			G2/225
BL (0°-30°)	374.1	4.9	B1/500		
BM (30°-60°)	686.7	9.1	B1/1000		
BH (60°-80°)	473.0	6.2	B1/500		G1/500
BVH (80°-90°)	49.0	0.6			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9
2.5°	679.4	691.0	691.0	691.0	694.9	698.7	698.7	702.6	718.0	714.2	725.7
5°	698.7	706.4	702.6	706.4	710.3	702.6	706.4	706.4	721.9	729.6	748.9
7.5°	721.9	733.5	725.7	741.2	737.3	737.3	741.2	737.3	737.3	748.9	779.8
10°	783.7	787.5	783.7	779.8	772.1	775.9	779.8	779.8	787.5	791.4	810.7
12.5°	833.8	841.6	845.4	830.0	822.3	822.3	830.0	830.0	845.4	849.3	860.9
15°	891.7	891.7	891.7	880.2	880.2	864.7	887.9	887.9	895.6	903.3	911.0
17.5°	941.9	934.2	934.2	914.9	914.9	918.8	934.2	934.2	953.5	953.5	965.1
20°	984.4	980.5	980.5	957.4	941.9	953.5	972.8	984.4	1019.1	1023.0	1015.3
22.5°	1053.9	1057.7	1053.9	1011.4	996.0	988.3	1019.1	1026.9	1084.8	1092.5	1069.3
25°	1154.2	1162.0	1146.5	1092.5	1065.5	1042.3	1088.6	1096.3	1146.5	1146.5	1131.1
27.5°	1246.9	1262.3	1239.2	1196.7	1150.4	1123.4	1173.5	1185.1	1243.0	1239.2	1162.0
30°	1382.0	1366.6	1351.1	1343.4	1297.1	1243.0	1254.6	1273.9	1304.8	1312.5	1227.6
32.5°	1578.9	1544.1	1513.3	1478.5	1436.1	1385.9	1355.0	1362.7	1409.0	1358.8	1266.2
35°	1764.2	1729.4	1698.6	1652.2	1578.9	1532.6	1482.4	1490.1	1494.0	1463.1	1308.7
37.5°	1907.0	1887.7	1876.1	1802.8	1748.7	1683.1	1648.4	1648.4	1598.2	1497.8	1382.0
40°	1988.1	2015.1	2019.0	1937.9	1926.3	1829.8	1829.8	1814.4	1710.1	1555.7	1416.8
42.5°	2049.8	2069.2	2100.0	2061.4	2061.4	2019.0	1968.8	1934.0	1775.8	1644.5	1513.3
45°	2157.9	2165.7	2212.0	2223.6	2185.0	2204.3	2038.3	1964.9	1825.9	1771.9	1644.5
47.5°	2277.6	2289.2	2385.7	2408.9	2358.7	2374.1	2115.5	2011.2	1934.0	1934.0	1806.6
50°	2378.0	2385.7	2517.0	2563.3	2586.4	2621.2	2208.1	2103.9	2053.7	2169.5	2003.5
52.5°	2435.9	2432.0	2555.6	2671.4	2794.9	2860.5	2316.2	2266.0	2289.2	2451.3	2262.2
55°	2459.0	2497.7	2628.9	2737.0	2984.1	3018.8	2528.5	2482.2	2594.2	2794.9	2555.6
57.5°	2532.4	2474.5	2659.8	2806.5	3107.6	3208.0	2868.2	2821.9	2899.1	3088.3	2860.5
60°	2470.6	2459.0	2578.7	2848.9	3258.1	3377.8	3238.8	3215.7	3265.9	3362.4	3246.6
62.5°	2304.6	2351.0	2509.2	2798.8	3269.7	3605.6	3624.9	3663.5	3624.9	3740.7	3686.6
65°	2142.5	2169.5	2300.8	2675.2	3242.7	3736.8	4068.8	4084.3	3953.0	4037.9	4138.3
67.5°	2022.8	2034.4	2169.5	2532.4	3165.5	3895.1	4427.8	4393.1	4200.1	4231.0	4312.0
70°	1748.7	1771.9	1872.3	2266.0	3034.2	4068.8	4879.5	4852.5	4346.8	4203.9	4254.1
72.5°	1100.2	1092.5	1239.2	1625.2	2520.8	3852.6	5215.3	5088.0	4393.1	4200.1	3902.8
75°	478.7	474.8	552.0	737.3	1382.0	2848.9	5014.6	5091.8	4543.6	4219.4	3354.6
77.5°	169.9	169.9	204.6	281.8	498.0	1189.0	3779.3	4122.9	4080.4	3767.7	2432.0
80°	104.2	104.2	135.1	162.1	208.5	324.3	1748.7	2092.3	2625.0	2532.4	1324.1
82.5°	69.5	69.5	100.4	112.0	139.0	146.7	451.7	609.9	1019.1	1204.4	536.6
85°	61.8	57.9	69.5	73.3	88.8	77.2	142.8	162.1	328.1	447.8	135.1
87.5°	19.3	19.3	42.5	38.6	42.5	27.0	61.8	73.3	84.9	131.3	38.6
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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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9
2.5°	741.2	729.6	745.0	745.0	741.2	752.8	760.5	760.5	756.6	760.5	760.5
5°	752.8	756.6	772.1	775.9	783.7	787.5	795.2	806.8	814.5	810.7	814.5
7.5°	779.8	787.5	806.8	818.4	837.7	845.4	849.3	860.9	868.6	860.9	857.0
10°	830.0	833.8	853.1	880.2	895.6	895.6	899.5	887.9	887.9	891.7	891.7
12.5°	868.6	895.6	918.8	934.2	945.8	930.3	911.0	907.2	887.9	899.5	903.3
15°	914.9	930.3	961.2	984.4	965.1	930.3	922.6	914.9	907.2	911.0	911.0
17.5°	972.8	976.7	1015.3	996.0	941.9	930.3	922.6	926.5	918.8	918.8	911.0
20°	1007.6	1042.3	1046.2	992.1	926.5	903.3	903.3	903.3	914.9	907.2	899.5
22.5°	1053.9	1065.5	1065.5	949.6	907.2	884.0	884.0	884.0	876.3	864.7	868.6
25°	1104.1	1092.5	1042.3	918.8	860.9	849.3	822.3	814.5	810.7	814.5	806.8
27.5°	1162.0	1134.9	1030.7	876.3	818.4	795.2	760.5	733.5	718.0	718.0	714.2
30°	1181.3	1165.8	996.0	830.0	764.4	721.9	667.8	629.2	594.5	590.6	590.6
32.5°	1223.7	1181.3	972.8	806.8	714.2	633.1	567.5	528.9	509.6	513.4	521.1
35°	1258.5	1204.4	968.9	768.2	660.1	563.6	498.0	474.8	459.4	443.9	447.8
37.5°	1316.4	1239.2	953.5	745.0	617.7	509.6	455.5	428.5	401.5	378.3	378.3
40°	1358.8	1289.4	949.6	718.0	579.1	467.1	428.5	397.6	359.0	332.0	332.0
42.5°	1436.1	1335.7	930.3	687.1	536.6	443.9	397.6	362.9	312.7	285.7	285.7
45°	1575.0	1416.8	918.8	637.0	494.1	413.1	366.7	316.5	289.5	262.5	266.4
47.5°	1725.6	1540.3	914.9	602.2	451.7	378.3	316.5	297.2	270.2	250.9	250.9
50°	1895.4	1690.8	907.2	544.3	397.6	335.9	289.5	274.1	254.8	243.2	243.2
52.5°	2119.3	1791.2	899.5	482.5	339.7	297.2	277.9	262.5	250.9	239.3	239.3
55°	2405.0	2003.5	887.9	393.8	297.2	285.7	266.4	254.8	250.9	235.5	239.3
57.5°	2740.9	2200.4	845.4	324.3	274.1	274.1	266.4	262.5	258.6	243.2	243.2
60°	3123.0	2482.2	752.8	277.9	254.8	266.4	266.4	258.6	258.6	250.9	243.2
62.5°	3605.6	2787.2	552.0	254.8	239.3	247.1	258.6	250.9	247.1	254.8	250.9
65°	3937.6	3014.9	386.0	231.6	223.9	235.5	250.9	250.9	247.1	274.1	274.1
67.5°	3864.2	2899.1	289.5	212.3	216.2	227.8	262.5	266.4	250.9	289.5	289.5
70°	3644.2	2574.9	231.6	200.7	208.5	258.6	266.4	254.8	243.2	277.9	270.2
72.5°	3107.6	1953.3	212.3	189.2	193.0	231.6	254.8	250.9	239.3	258.6	243.2
75°	2358.7	1239.2	189.2	169.9	169.9	200.7	247.1	239.3	216.2	216.2	212.3
77.5°	1474.7	621.5	154.4	154.4	150.6	173.7	223.9	220.0	193.0	189.2	185.3
80°	691.0	293.4	127.4	131.3	127.4	146.7	189.2	185.3	166.0	158.3	154.4
82.5°	281.8	146.7	112.0	115.8	104.2	119.7	158.3	154.4	139.0	135.1	119.7
85°	104.2	88.8	88.8	88.8	77.2	81.1	108.1	108.1	88.8	73.3	73.3
87.5°	38.6	46.3	54.0	57.9	34.7	34.7	54.0	57.9	42.5	27.0	27.0
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)