

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: P691218

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C015-5TLD-U-T2-7050-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4791 lumens  
Efficiency: N/A  
Efficacy: 146.5 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

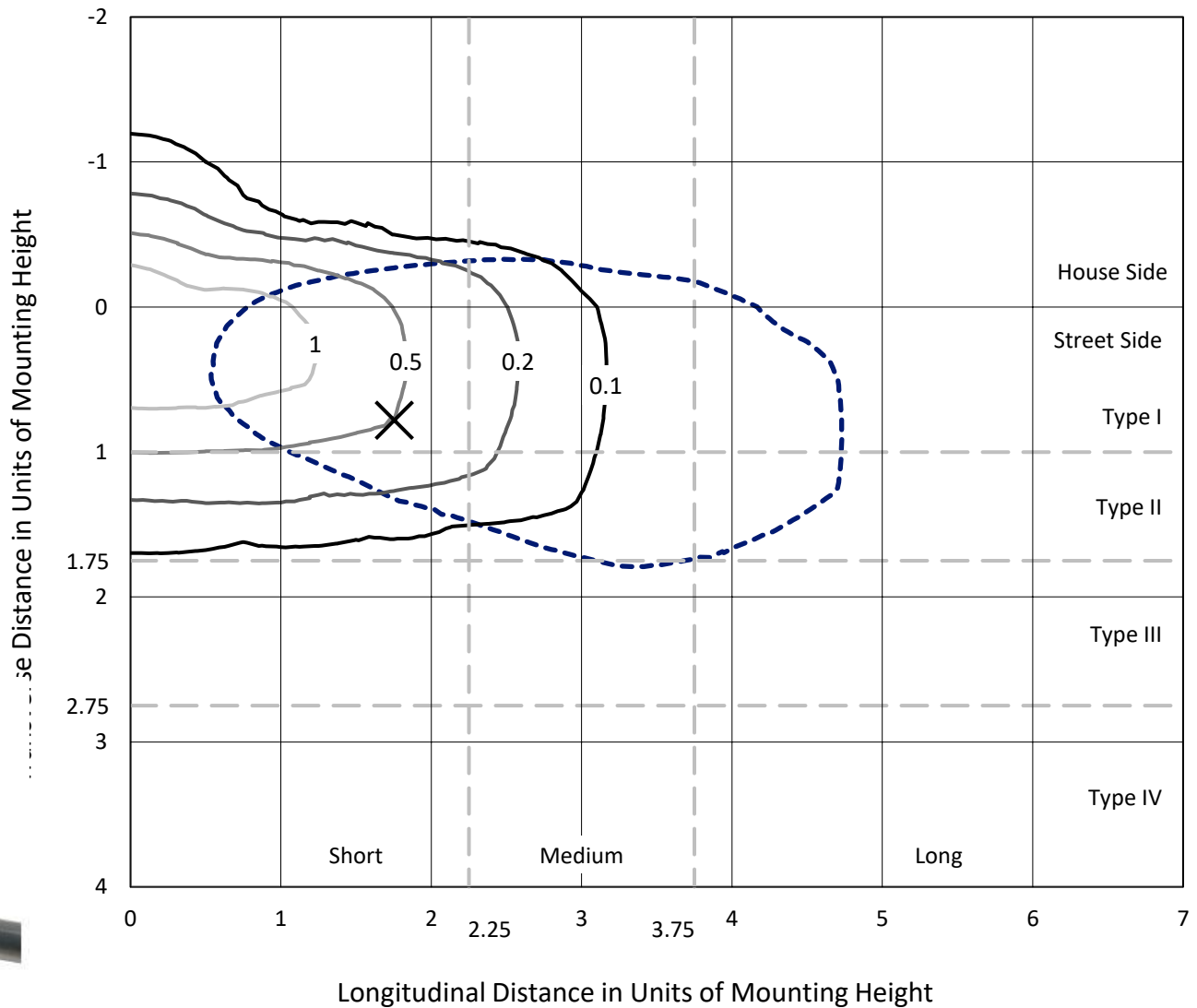
Input Watts (W): 32.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

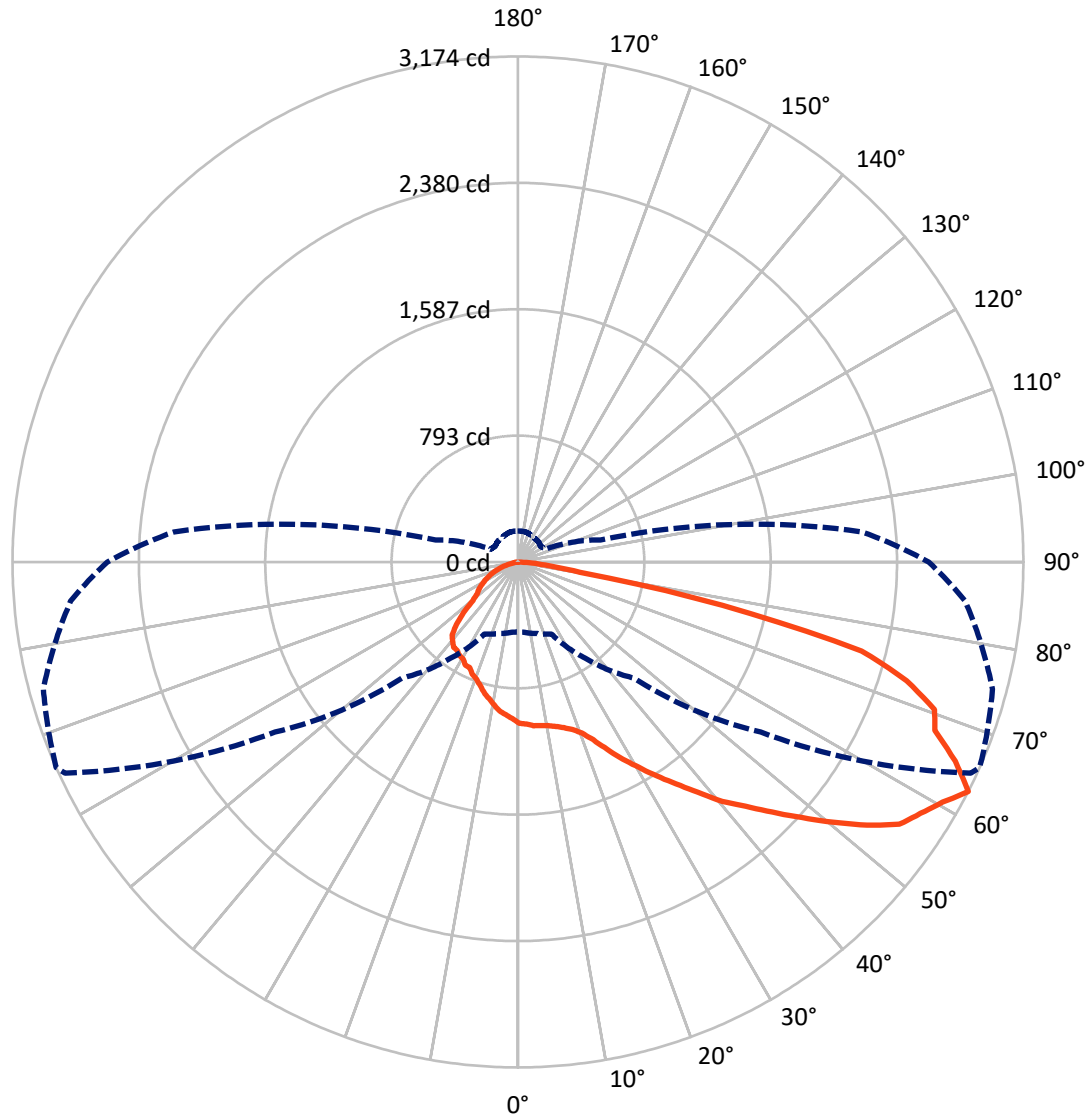
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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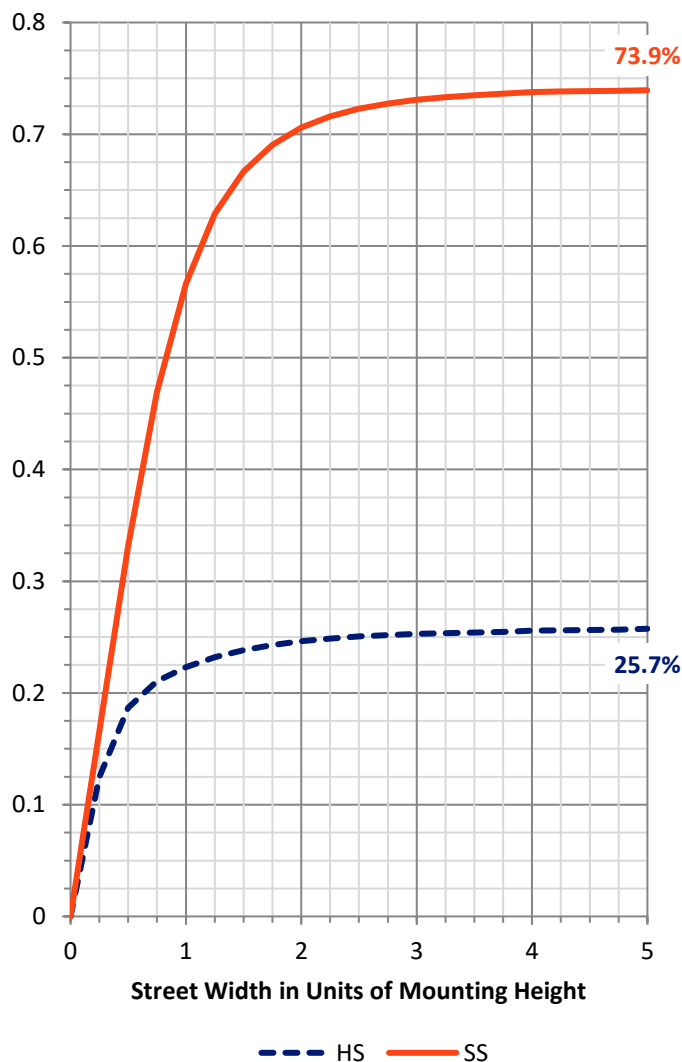
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1251.9	0.0	1251.9
	% Fixture	26.1	0.0	26.1
<b>Street Side</b>	Lumens	3539.1	0.0	3539.1
	% Fixture	73.9	0.0	73.9
<b>Total</b>	Lumens	4791.0	0.0	4791.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.8	2.0
10°-20°	269.0	5.6
20°-30°	436.9	9.1
30°-40°	630.1	13.2
40°-50°	819.6	17.1
50°-60°	952.0	19.9
60°-70°	941.9	19.7
70°-80°	583.4	12.2
80°-90°	63.3	1.3
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°	4791.0	100.0
0°-180°	4791.0	100.0

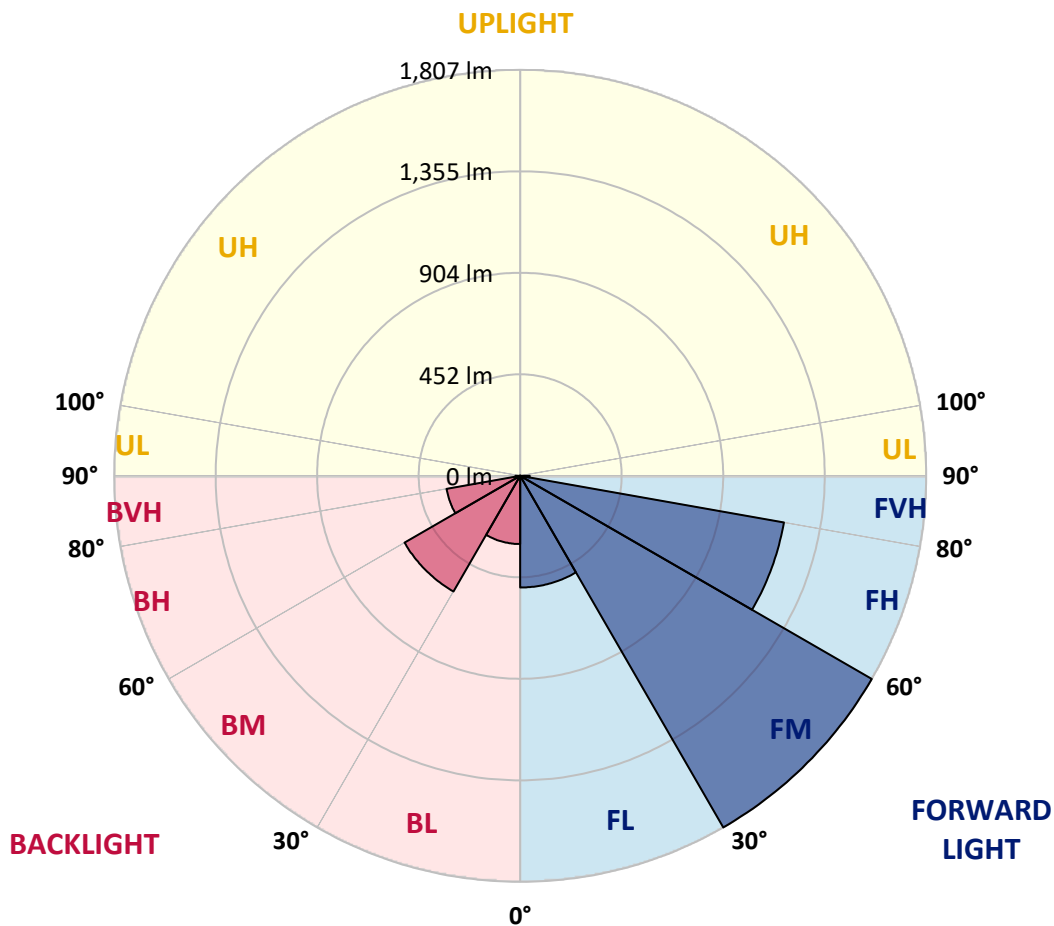


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.1	10.4			
FM (30°-60°)	1807.2	37.7			
FH (60°-80°)	1192.3	24.9			G1/1800
FVH (80°-90°)	42.5	0.9			G1/100
BL (0°-30°)	303.7	6.3	B1/500		
BM (30°-60°)	594.4	12.4	B1/1000		
BH (60°-80°)	332.9	6.9	B1/500		G1/500
BVH (80°-90°)	20.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1049.7	1049.7	1053.0	1041.4	1034.8	1029.9	1024.9	1020.0	1018.4	1013.4	1006.8
5°	1095.8	1095.8	1097.5	1085.9	1072.7	1057.9	1043.1	1033.2	1033.2	1021.7	1005.2
7.5°	1120.5	1120.5	1120.5	1107.3	1099.1	1089.2	1066.1	1038.1	1036.5	1024.9	1001.9
10°	1120.5	1120.5	1127.1	1107.3	1100.7	1090.9	1077.7	1048.0	1044.7	1018.4	987.0
12.5°	1140.3	1143.6	1140.3	1118.9	1112.3	1104.0	1085.9	1061.2	1059.6	1024.9	980.5
15°	1168.3	1170.0	1165.0	1150.2	1143.6	1130.4	1109.0	1082.6	1079.3	1038.1	985.4
17.5°	1174.9	1176.5	1179.8	1161.7	1161.7	1156.8	1145.2	1113.9	1105.7	1069.4	1000.2
20°	1171.6	1173.3	1178.2	1174.9	1176.5	1173.3	1181.5	1155.1	1145.2	1105.7	1023.3
22.5°	1186.4	1189.7	1199.6	1201.3	1207.9	1214.4	1217.7	1219.4	1212.8	1166.7	1071.1
25°	1191.4	1201.3	1214.4	1232.6	1255.6	1268.8	1287.0	1305.1	1303.4	1257.3	1150.2
27.5°	1168.3	1179.8	1221.0	1249.1	1300.1	1336.4	1377.6	1402.3	1402.3	1364.4	1240.8
30°	1189.7	1194.7	1216.1	1255.6	1315.0	1397.4	1461.6	1492.9	1496.2	1471.5	1329.8
32.5°	1145.2	1156.8	1209.5	1285.3	1375.9	1466.6	1530.8	1598.4	1601.7	1593.4	1460.0
35°	1140.3	1146.9	1176.5	1257.3	1374.3	1530.8	1616.5	1702.2	1710.4	1720.3	1586.9
37.5°	1089.2	1102.4	1160.1	1260.6	1420.4	1573.7	1689.0	1820.8	1834.0	1865.3	1695.6
40°	1034.8	1044.7	1092.5	1201.3	1405.6	1628.1	1759.9	1960.9	1977.4	2003.8	1845.6
42.5°	960.7	980.5	1062.8	1176.5	1399.0	1644.5	1839.0	2089.4	2096.0	2142.2	1964.2
45°	891.5	898.1	960.7	1090.9	1341.3	1669.2	1898.3	2234.5	2239.4	2269.1	2063.1
47.5°	835.4	843.7	908.0	1018.4	1288.6	1662.7	1957.6	2374.5	2397.6	2430.5	2183.4
50°	662.4	680.6	850.3	955.7	1198.0	1651.1	2005.4	2542.6	2569.0	2600.3	2311.9
52.5°	571.8	580.0	665.7	893.1	1109.0	1601.7	2049.9	2714.0	2745.3	2728.8	2475.0
55°	532.2	537.2	576.7	769.5	1029.9	1507.8	2082.9	2873.8	2906.8	2827.7	2603.6
57.5°	504.2	510.8	533.9	629.5	940.9	1343.0	2086.1	2967.7	2979.3	2910.1	2656.3
60°	466.3	471.3	504.2	550.4	837.1	1170.0	2026.8	3008.9	3063.3	2997.4	2774.9
62.5°	438.3	443.3	464.7	499.3	736.6	1031.5	1862.0	3137.5	3173.7	3084.7	2819.4
65°	405.4	405.4	426.8	461.4	672.3	947.5	1776.4	3096.3	3017.2	3060.0	2873.8
67.5°	357.6	360.9	382.3	410.3	563.6	866.8	1565.4	2905.1	2822.7	2941.4	2730.4
70°	318.0	314.7	337.8	359.2	461.4	764.6	1296.8	2707.4	2774.9	2761.8	2598.6
72.5°	265.3	262.0	281.8	304.8	372.4	634.4	1024.9	2512.9	2552.5	2470.1	2305.3
75°	206.0	186.2	214.2	243.9	293.3	502.6	726.7	2081.2	2229.5	2328.4	1965.9
77.5°	33.0	33.0	41.2	57.7	95.6	255.4	324.6	1143.6	1311.7	1982.3	1723.6
80°	26.4	26.4	29.7	39.5	57.7	140.1	108.8	354.3	395.5	855.2	992.0
82.5°	14.8	14.8	21.4	26.4	36.3	42.8	47.8	173.0	192.8	303.2	383.9
85°	8.2	8.2	11.5	13.2	14.8	14.8	14.8	79.1	89.0	161.5	174.7
87.5°	4.9	4.9	4.9	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6
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°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1003.5	998.6	990.3	983.8	978.8	973.9	965.6	960.7	960.7	968.9	970.6
5°	995.3	983.8	968.9	962.3	954.1	945.9	932.7	926.1	924.4	929.4	932.7
7.5°	988.7	972.2	957.4	940.9	916.2	894.8	883.2	875.0	878.3	886.5	883.2
10°	968.9	954.1	931.0	906.3	876.6	858.5	840.4	830.5	832.2	837.1	832.2
12.5°	960.7	940.9	903.0	873.3	847.0	812.4	789.3	774.5	774.5	782.7	782.7
15°	960.7	931.0	879.9	843.7	802.5	767.9	741.5	728.3	736.6	731.6	728.3
17.5°	968.9	922.8	865.1	804.1	754.7	720.1	688.8	670.7	675.6	678.9	675.6
20°	978.8	922.8	847.0	772.8	715.2	665.7	631.1	611.3	609.7	611.3	614.6
22.5°	1011.8	944.2	835.4	753.1	665.7	617.9	583.3	548.7	547.1	545.4	548.7
25°	1067.8	983.8	843.7	716.8	637.7	566.9	524.0	494.3	484.5	482.8	486.1
27.5°	1160.1	1053.0	856.9	711.9	586.6	522.4	469.6	436.7	426.8	430.1	428.4
30°	1260.6	1141.9	894.8	677.3	557.0	456.4	407.0	379.0	369.1	362.5	364.2
32.5°	1334.7	1230.9	942.6	665.7	499.3	385.6	349.3	332.9	321.3	313.1	311.4
35°	1451.7	1306.7	985.4	639.4	448.2	339.5	309.8	291.7	285.1	280.1	280.1
37.5°	1563.8	1399.0	1028.2	631.1	382.3	308.1	271.9	260.4	257.1	253.8	253.8
40°	1675.8	1492.9	1053.0	598.2	329.6	270.2	235.6	234.0	238.9	235.6	237.3
42.5°	1814.3	1590.2	1077.7	566.9	291.7	230.7	210.9	224.1	234.0	235.6	235.6
45°	1909.8	1656.1	1087.6	491.1	252.1	201.0	206.0	220.8	232.3	237.3	235.6
47.5°	1997.2	1745.0	1072.7	398.8	219.2	196.1	204.3	214.2	230.7	237.3	237.3
50°	2082.9	1819.2	1059.6	295.0	207.6	197.7	204.3	209.3	227.4	234.0	234.0
52.5°	2203.1	1878.5	1015.1	247.2	197.7	199.4	209.3	207.6	222.5	232.3	235.6
55°	2369.6	2016.9	929.4	234.0	196.1	197.7	209.3	209.3	219.2	227.4	232.3
57.5°	2443.7	2076.3	784.4	220.8	191.1	196.1	204.3	206.0	217.5	222.5	220.8
60°	2527.8	2150.4	642.7	206.0	182.9	192.8	196.1	202.7	210.9	210.9	209.3
62.5°	2578.8	2168.5	535.5	189.5	173.0	181.3	181.3	187.9	194.4	194.4	194.4
65°	2603.6	2150.4	400.4	174.7	161.5	168.1	166.4	169.7	174.7	166.4	166.4
67.5°	2506.3	2082.9	276.8	154.9	148.3	154.9	153.2	154.9	153.2	146.7	148.3
70°	2339.9	1893.4	191.1	131.8	130.2	141.7	143.4	140.1	130.2	125.2	125.2
72.5°	2130.6	1519.3	131.8	105.5	110.4	125.2	128.5	121.9	112.1	107.1	107.1
75°	1932.9	1313.3	93.9	72.5	74.2	95.6	102.2	102.2	98.9	131.8	140.1
77.5°	1344.6	850.3	54.4	37.9	36.3	54.4	62.6	64.3	123.6	133.5	130.2
80°	797.5	400.4	39.5	23.1	23.1	31.3	42.8	84.0	141.7	95.6	85.7
82.5°	304.8	153.2	24.7	14.8	13.2	16.5	24.7	130.2	82.4	54.4	49.4
85°	110.4	37.9	11.5	8.2	8.2	9.9	14.8	110.4	57.7	41.2	39.5
87.5°	1.6	1.6	3.3	3.3	3.3	1.6	1.6	3.3	3.3	3.3	1.6
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)