

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: P691526

Luminaire Tested: **CRTK2-C016-D-U-T3-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C016-D-U-T3-7050-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

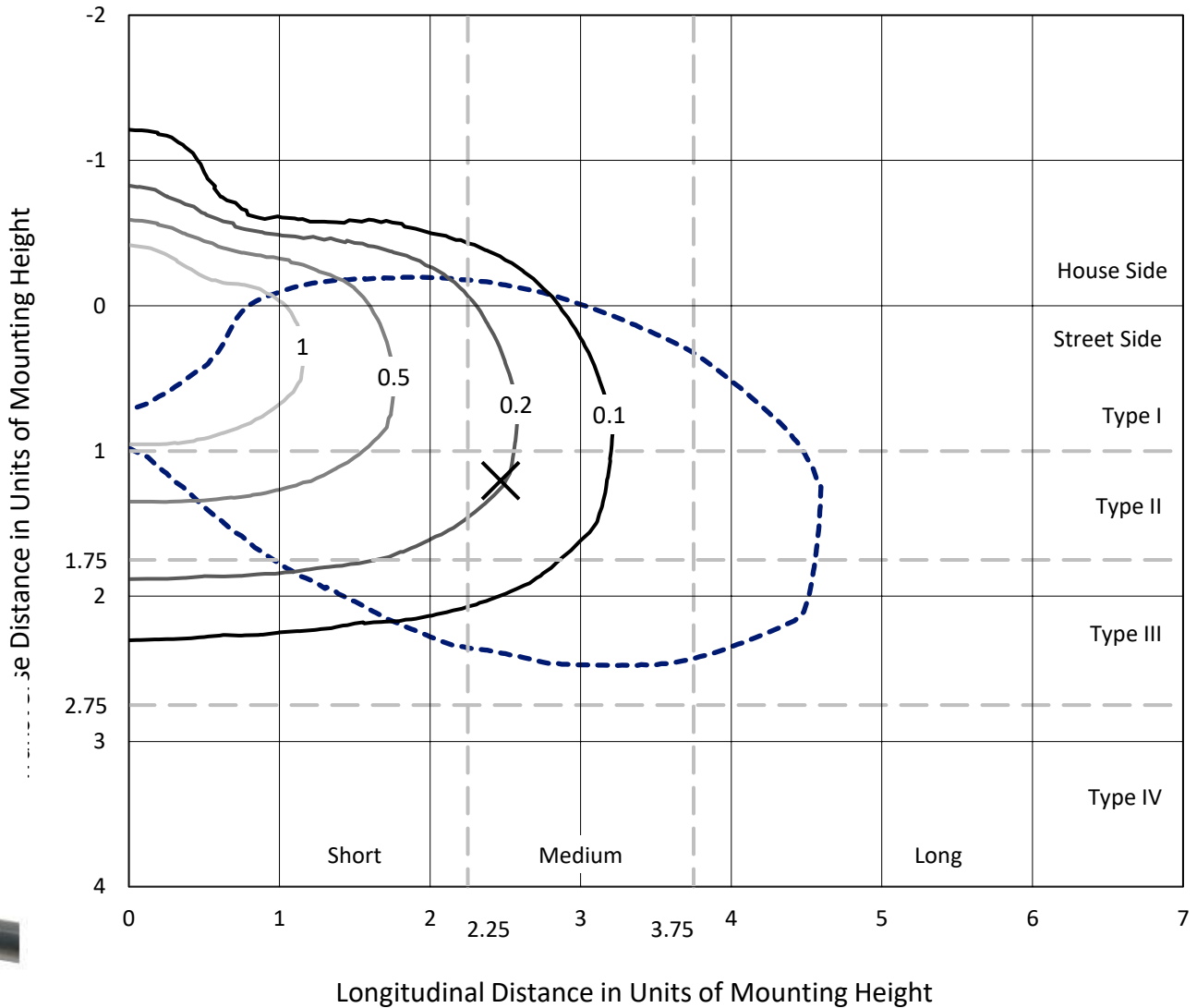
Lumens per Lamp: N/A  
Luminaire Lumens: 5825 lumens  
Efficiency: N/A  
Efficacy: 140.0 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 41.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

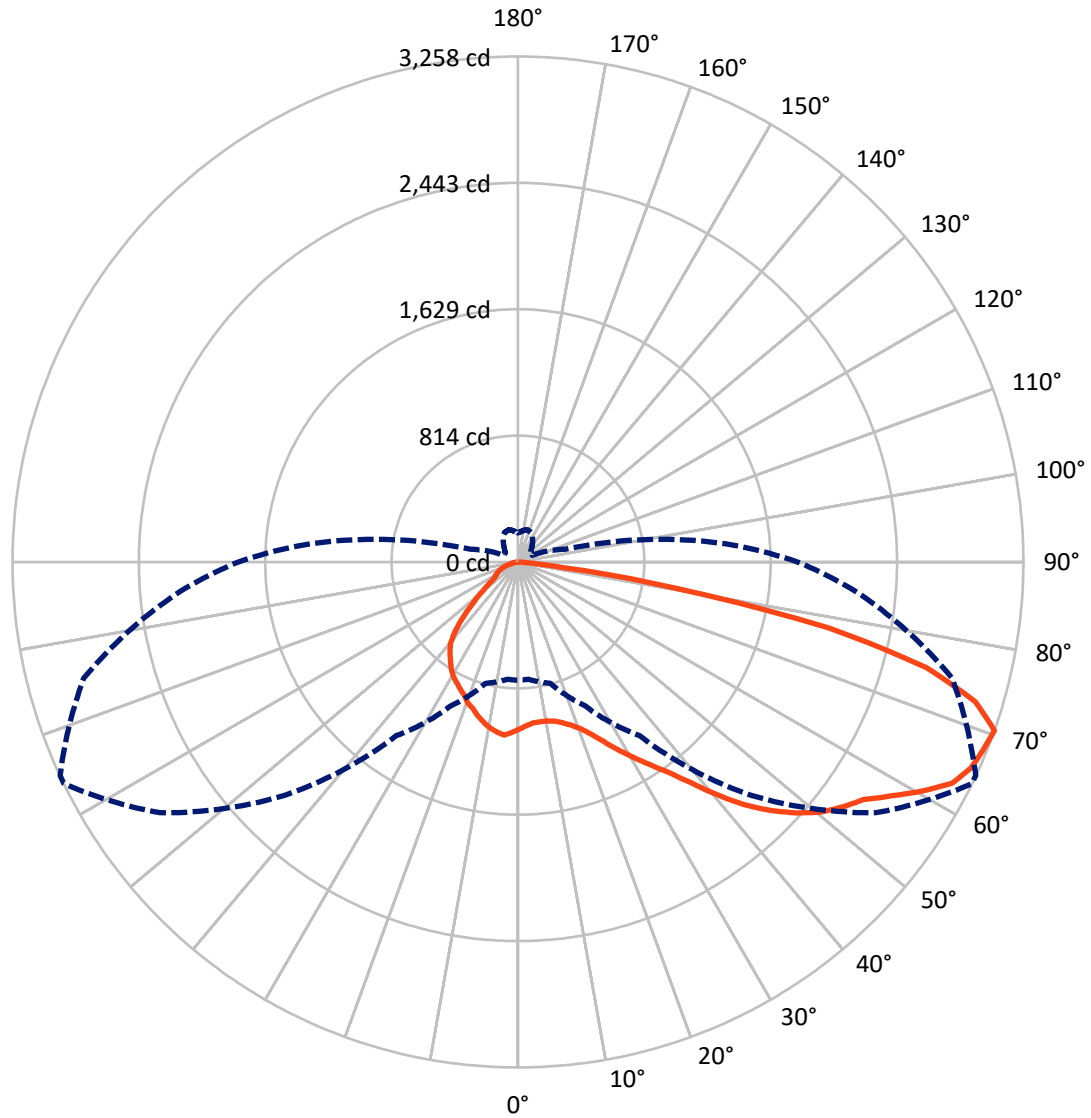
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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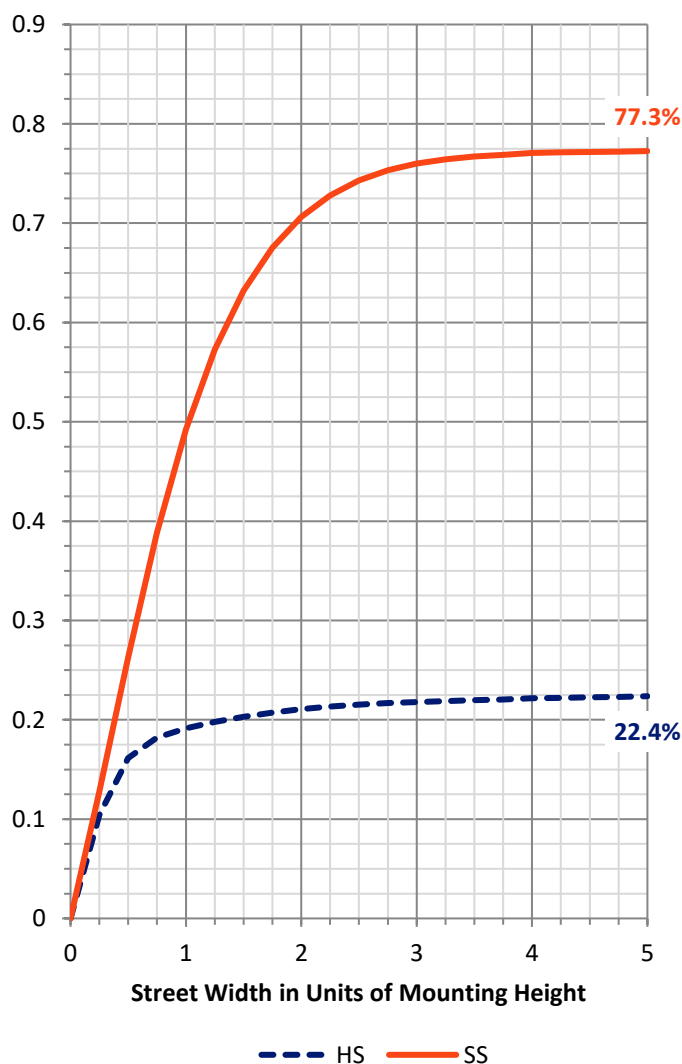
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1323.2	0.0	1323.2
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	4501.8	0.0	4501.8
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	5825.0	0.0	5825.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.6	1.8
10°-20°	303.8	5.2
20°-30°	504.2	8.7
30°-40°	721.3	12.4
40°-50°	963.2	16.5
50°-60°	1164.0	20.0
60°-70°	1238.8	21.3
70°-80°	761.0	13.1
80°-90°	65.2	1.1
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°	5825.0	100.0
0°-180°	5825.0	100.0

**Coefficient of Utilization**

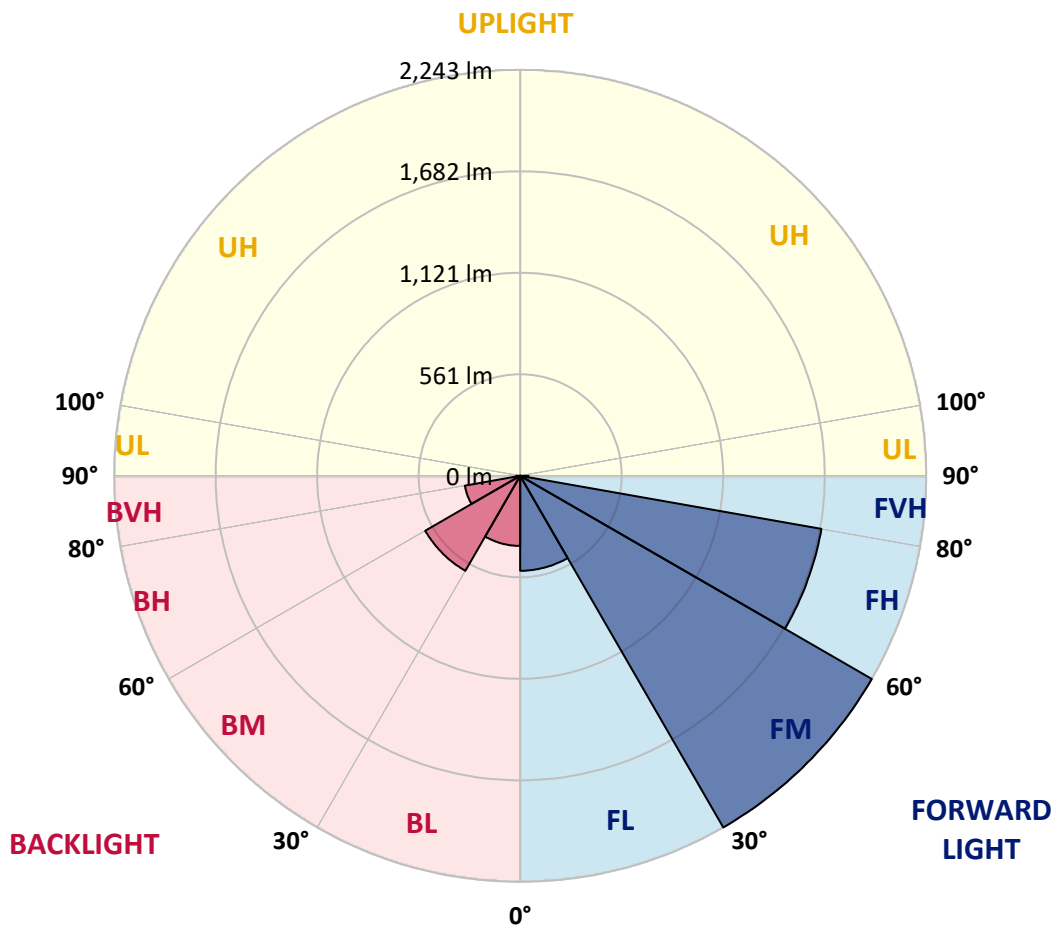


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.5	9.0			
FM (30°-60°)	2242.5	38.5			
FH (60°-80°)	1689.5	29.0			G1/1800
FVH (80°-90°)	45.3	0.8			G1/100
BL (0°-30°)	387.1	6.6	B1/500		
BM (30°-60°)	605.9	10.4	B1/1000		
BH (60°-80°)	310.3	5.3	B1/500		G1/500
BVH (80°-90°)	19.9	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3
2.5°	1051.6	1051.6	1051.6	1051.6	1053.6	1055.6	1053.6	1055.6	1055.6	1059.5	1065.5
5°	1069.4	1069.4	1065.5	1057.5	1051.6	1043.7	1039.7	1041.7	1041.7	1051.6	1067.4
7.5°	1075.4	1075.4	1071.4	1071.4	1065.5	1047.6	1041.7	1039.7	1041.7	1045.7	1067.4
10°	1105.1	1103.1	1093.2	1081.3	1073.4	1057.5	1043.7	1041.7	1043.7	1049.6	1073.4
12.5°	1136.8	1136.8	1132.8	1122.9	1101.1	1085.3	1061.5	1053.6	1051.6	1057.5	1071.4
15°	1200.1	1192.2	1176.4	1162.5	1146.7	1120.9	1089.2	1075.4	1071.4	1079.3	1073.4
17.5°	1237.8	1231.8	1233.8	1212.0	1198.2	1162.5	1130.8	1105.1	1103.1	1111.0	1085.3
20°	1279.4	1277.4	1281.3	1279.4	1257.6	1225.9	1176.4	1144.7	1140.7	1142.7	1103.1
22.5°	1342.7	1342.7	1340.7	1340.7	1328.9	1291.2	1235.8	1204.1	1198.2	1184.3	1132.8
25°	1412.0	1412.0	1412.0	1416.0	1416.0	1372.4	1317.0	1281.3	1277.4	1257.6	1182.3
27.5°	1477.4	1481.4	1483.3	1485.3	1491.3	1471.5	1410.1	1368.5	1366.5	1340.7	1247.7
30°	1528.9	1530.9	1548.7	1552.6	1564.5	1558.6	1499.2	1459.6	1463.5	1429.9	1320.9
32.5°	1574.4	1576.4	1602.2	1616.0	1629.9	1631.9	1582.4	1554.6	1554.6	1524.9	1410.1
35°	1618.0	1620.0	1651.7	1685.3	1713.1	1705.1	1677.4	1661.6	1667.5	1657.6	1532.8
37.5°	1655.6	1663.6	1705.1	1754.7	1786.3	1792.3	1780.4	1802.2	1814.1	1829.9	1699.2
40°	1691.3	1695.2	1734.8	1786.3	1839.8	1867.5	1881.4	1970.5	1982.4	1994.3	1794.3
42.5°	1657.6	1665.5	1750.7	1827.9	1895.3	1942.8	2008.1	2138.9	2164.6	2099.2	1923.0
45°	1618.0	1627.9	1713.1	1843.8	1938.8	2026.0	2146.8	2285.4	2305.2	2206.2	1992.3
47.5°	1584.3	1596.2	1683.4	1829.9	1984.4	2138.9	2259.7	2416.1	2428.0	2297.3	2087.4
50°	1546.7	1556.6	1649.7	1812.1	2008.1	2241.8	2378.5	2534.9	2538.9	2372.5	2136.9
52.5°	1497.2	1507.1	1602.2	1784.4	2026.0	2311.1	2477.5	2622.1	2606.2	2469.6	2194.3
55°	1433.8	1447.7	1550.7	1746.7	2035.9	2352.7	2544.8	2703.3	2695.4	2584.4	2269.6
57.5°	1366.5	1380.4	1485.3	1695.2	2026.0	2378.5	2614.2	2843.9	2841.9	2677.5	2325.0
60°	1291.2	1303.1	1392.2	1627.9	1972.5	2420.1	2766.6	2996.4	3012.2	2782.5	2346.8
62.5°	1192.2	1194.2	1283.3	1530.9	1903.2	2449.8	2875.6	3140.9	3131.0	2851.8	2350.8
65°	1061.5	1067.4	1146.7	1396.2	1790.3	2426.0	2903.3	3206.3	3206.3	2903.3	2346.8
67.5°	934.8	932.8	1000.1	1227.9	1616.0	2321.1	2879.5	3234.0	3247.9	2937.0	2295.3
70°	762.5	758.5	810.0	1021.9	1366.5	2127.0	2818.1	3257.8	3255.8	2897.4	2186.4
72.5°	564.4	562.4	598.1	774.3	1045.7	1820.0	2635.9	3083.5	3063.7	2707.2	1974.5
75°	312.9	297.1	295.1	479.3	608.0	1275.4	2239.9	2719.1	2727.0	2392.3	1653.6
77.5°	45.5	47.5	49.5	87.1	105.0	477.3	1455.6	2049.7	2045.8	1845.8	1206.1
80°	31.7	33.7	35.6	43.6	49.5	112.9	503.0	1033.8	1093.2	970.4	556.5
82.5°	23.8	23.8	25.7	29.7	27.7	51.5	156.5	287.2	297.1	269.3	164.4
85°	15.8	15.8	13.9	15.8	9.9	13.9	35.6	53.5	57.4	55.5	45.5
87.5°	7.9	7.9	5.9	5.9	4.0	4.0	4.0	2.0	4.0	2.0	4.0
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°	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3	1077.3
2.5°	1071.4	1075.4	1087.2	1097.2	1109.0	1122.9	1130.8	1138.7	1146.7	1142.7	1148.6
5°	1075.4	1083.3	1101.1	1118.9	1128.8	1130.8	1132.8	1138.7	1150.6	1150.6	1160.5
7.5°	1079.3	1093.2	1093.2	1103.1	1117.0	1120.9	1122.9	1126.9	1132.8	1134.8	1132.8
10°	1079.3	1073.4	1083.3	1085.3	1079.3	1089.2	1095.2	1093.2	1099.1	1101.1	1101.1
12.5°	1067.4	1065.5	1057.5	1057.5	1055.6	1039.7	1039.7	1055.6	1055.6	1065.5	1067.4
15°	1067.4	1051.6	1041.7	1027.8	1014.0	1008.0	1000.1	988.2	992.2	1006.1	1010.0
17.5°	1065.5	1047.6	1017.9	990.2	980.3	956.5	948.6	948.6	946.6	954.6	956.5
20°	1073.4	1047.6	1002.1	970.4	916.9	909.0	893.2	895.1	897.1	885.2	879.3
22.5°	1095.2	1063.5	990.2	928.8	887.2	851.6	821.9	802.1	800.1	794.1	800.1
25°	1128.8	1091.2	992.2	905.1	837.7	786.2	766.4	718.9	697.1	699.1	711.0
27.5°	1190.2	1124.9	1002.1	879.3	798.1	724.8	661.5	631.8	608.0	608.0	611.9
30°	1247.7	1176.4	998.1	857.5	736.7	645.6	564.4	516.9	509.0	501.0	499.1
32.5°	1354.6	1241.7	1037.7	825.8	679.3	544.6	463.4	398.1	404.0	406.0	409.9
35°	1461.5	1346.7	1045.7	786.2	596.1	443.6	358.5	322.8	338.7	342.6	346.6
37.5°	1604.1	1477.4	1099.1	750.6	510.9	340.6	285.2	269.3	285.2	285.2	287.2
40°	1681.4	1538.8	1142.7	714.9	400.0	251.5	223.8	211.9	231.7	247.6	251.5
42.5°	1790.3	1618.0	1182.3	643.6	283.2	188.1	172.3	196.1	227.7	243.6	245.6
45°	1845.8	1657.6	1168.4	548.6	186.2	152.5	168.3	198.0	229.7	245.6	247.6
47.5°	1921.0	1713.1	1140.7	437.7	148.5	150.5	170.3	204.0	235.7	249.5	251.5
50°	1994.3	1770.5	1069.4	348.6	142.6	150.5	174.3	206.0	233.7	243.6	241.6
52.5°	2035.9	1824.0	978.3	265.4	142.6	152.5	178.2	209.9	231.7	233.7	233.7
55°	2073.5	1829.9	903.1	206.0	140.6	154.5	182.2	213.9	233.7	233.7	229.7
57.5°	2097.3	1806.1	845.6	178.2	140.6	154.5	182.2	213.9	243.6	249.5	243.6
60°	2087.4	1760.6	806.0	166.4	136.6	152.5	180.2	219.8	299.0	312.9	301.0
62.5°	2063.6	1734.8	720.9	152.5	130.7	146.6	176.3	237.7	320.8	322.8	312.9
65°	2041.8	1649.7	617.9	136.6	122.8	140.6	170.3	241.6	271.3	261.4	259.4
67.5°	1942.8	1538.8	471.3	120.8	110.9	132.7	164.4	221.8	241.6	229.7	225.8
70°	1802.2	1344.7	314.9	103.0	99.0	122.8	164.4	207.9	215.9	196.1	188.1
72.5°	1544.7	1113.0	172.3	83.2	83.2	112.9	148.5	194.1	200.0	176.3	162.4
75°	1257.6	806.0	110.9	63.4	63.4	95.1	134.7	184.2	196.1	170.3	152.5
77.5°	865.4	441.6	77.2	45.5	41.6	73.3	106.9	150.5	174.3	146.6	124.8
80°	293.1	116.8	49.5	29.7	25.7	41.6	71.3	116.8	158.4	150.5	134.7
82.5°	114.9	73.3	33.7	19.8	17.8	19.8	35.6	73.3	126.7	136.6	158.4
85°	33.7	19.8	11.9	9.9	9.9	9.9	9.9	29.7	75.3	99.0	124.8
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	17.8	31.7	41.6
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)