

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: P691310

Luminaire Tested: **CRTK2-C015-D-U-T2-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691310
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-D-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: 4310 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

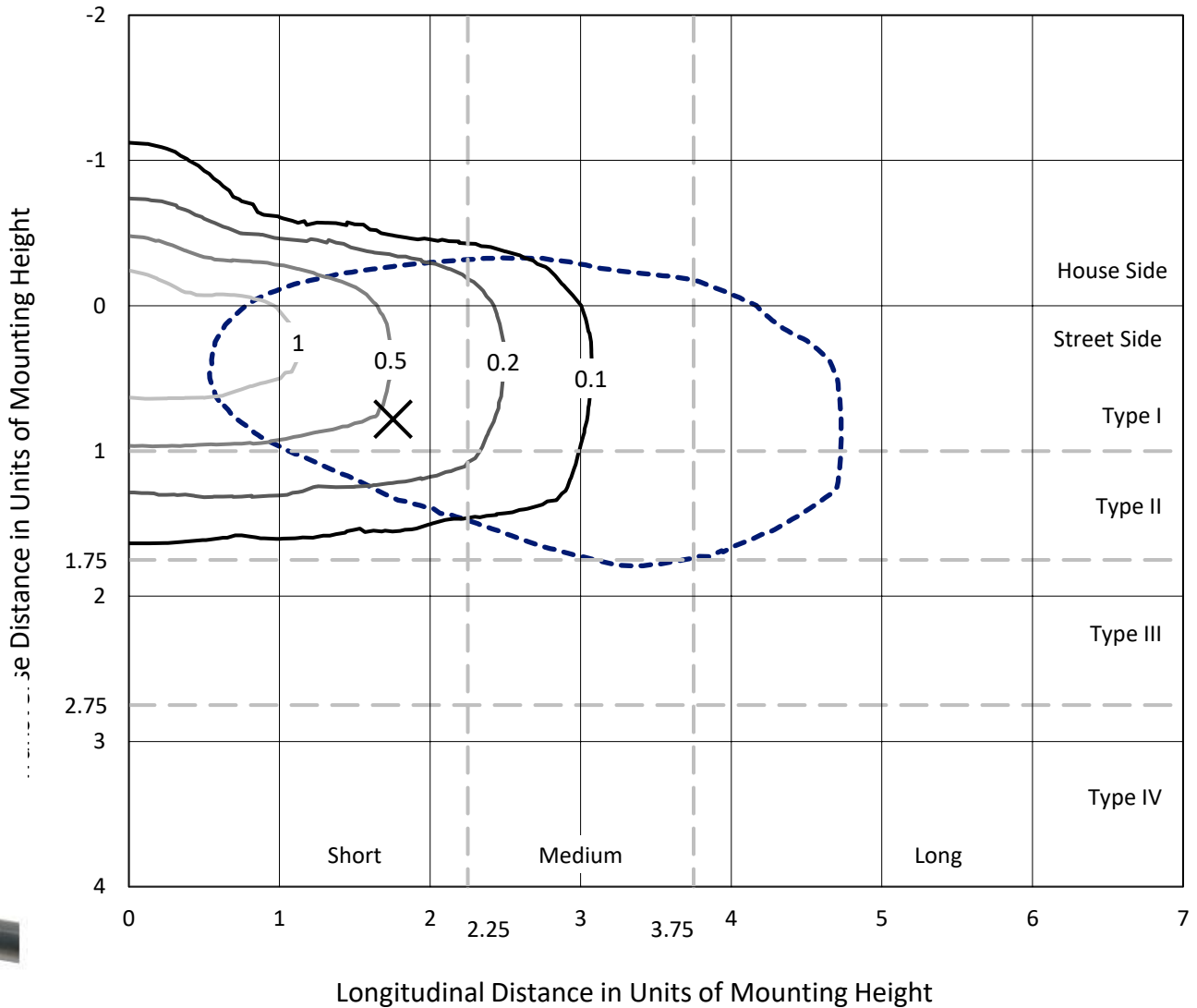
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

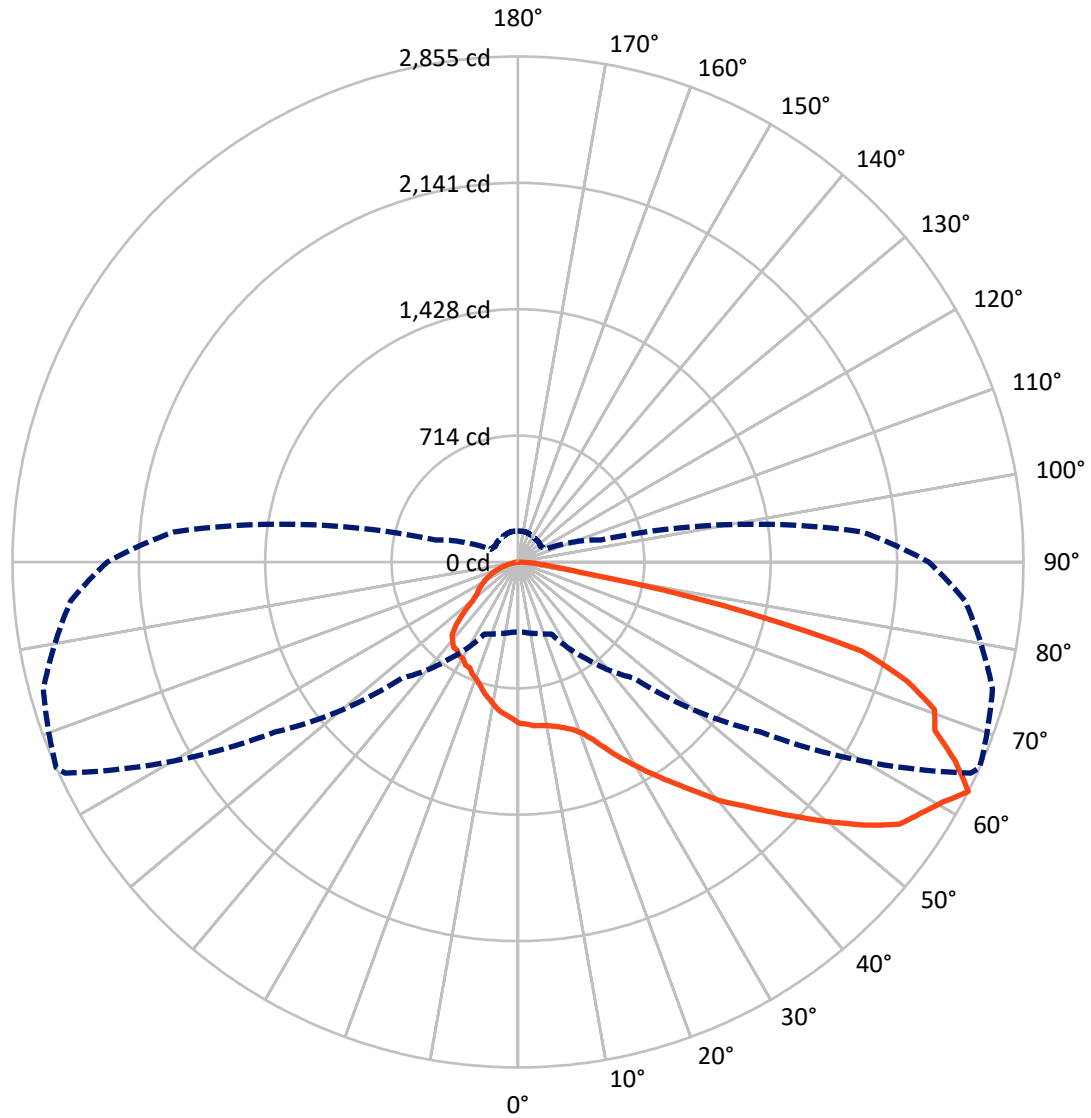
✕ Max cd
 - - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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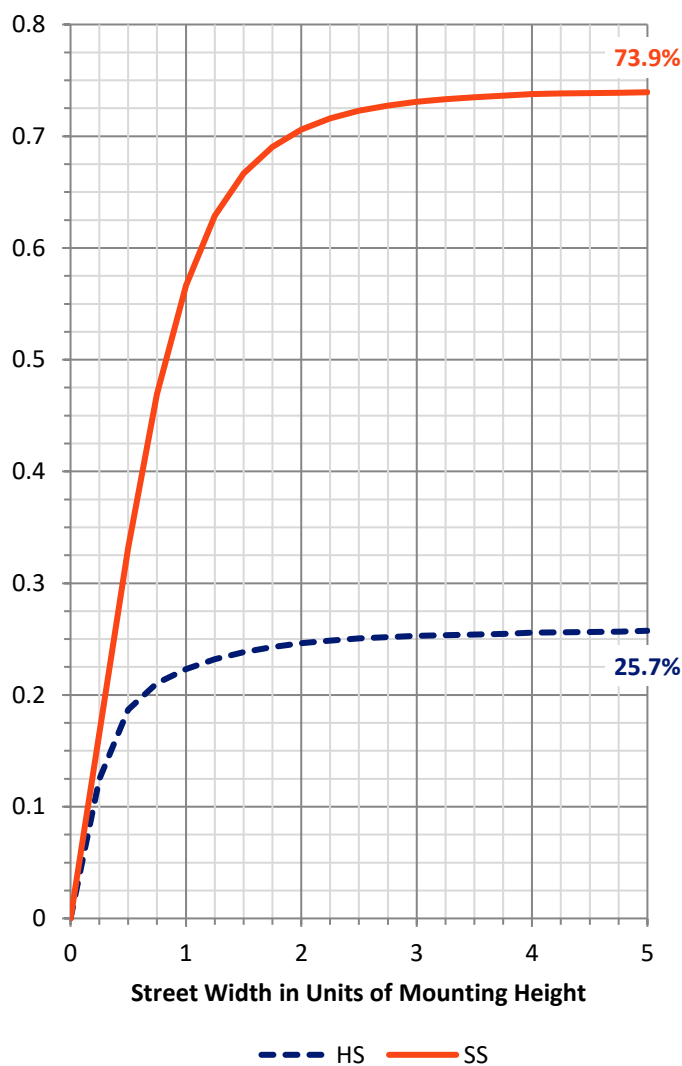
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1126.2	0.0	1126.2
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	3183.8	0.0	3183.8
	% Fixture	73.9	0.0	73.9
Total	Lumens	4310.0	0.0	4310.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	2.0
10°-20°	242.0	5.6
20°-30°	393.0	9.1
30°-40°	566.8	13.2
40°-50°	737.3	17.1
50°-60°	856.4	19.9
60°-70°	847.3	19.7
70°-80°	524.8	12.2
80°-90°	57.0	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°	4310.0	100.0
0°-180°	4310.0	100.0

Coefficient of Utilization

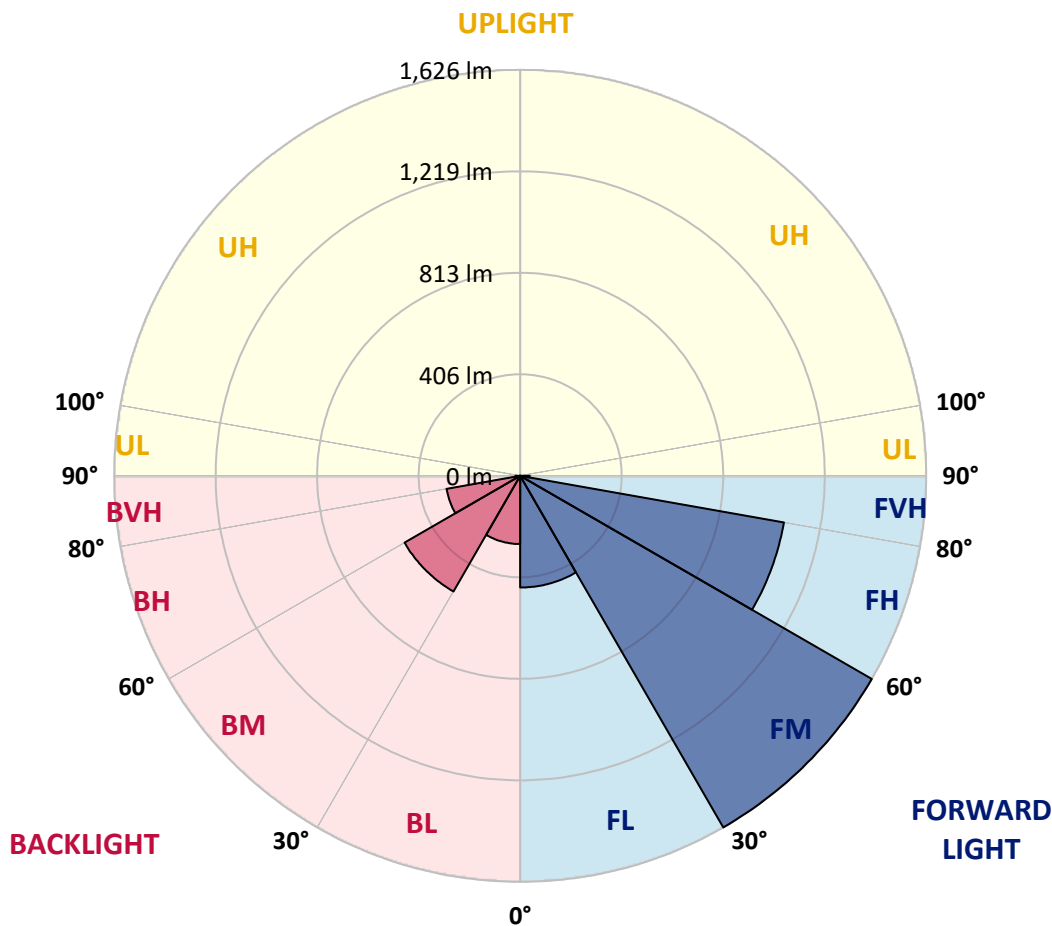


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.2	10.4			
FM (30°-60°)	1625.8	37.7			
FH (60°-80°)	1072.6	24.9			G1/1800
FVH (80°-90°)	38.2	0.9			G1/100
BL (0°-30°)	273.2	6.3	B1/500		
BM (30°-60°)	534.7	12.4	B1/1000		
BH (60°-80°)	299.5	6.9	B1/500		G1/500
BVH (80°-90°)	18.8	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°	911.7	911.7	911.7	911.7	911.7	911.7	911.7	911.7	911.7	911.7	911.7
2.5°	944.3	944.3	947.2	936.9	930.9	926.5	922.0	917.6	916.1	911.7	905.7
5°	985.8	985.8	987.3	976.9	965.0	951.7	938.4	929.5	929.5	919.1	904.3
7.5°	1008.0	1008.0	1008.0	996.2	988.8	979.9	959.1	933.9	932.4	922.0	901.3
10°	1008.0	1008.0	1014.0	996.2	990.2	981.3	969.5	942.8	939.8	916.1	888.0
12.5°	1025.8	1028.8	1025.8	1006.5	1000.6	993.2	976.9	954.7	953.2	922.0	882.0
15°	1051.0	1052.5	1048.0	1034.7	1028.8	1016.9	997.6	973.9	971.0	933.9	886.5
17.5°	1056.9	1058.4	1061.4	1045.1	1045.1	1040.6	1030.3	1002.1	994.7	962.1	899.8
20°	1054.0	1055.5	1059.9	1056.9	1058.4	1055.5	1062.9	1039.2	1030.3	994.7	920.6
22.5°	1067.3	1070.3	1079.2	1080.7	1086.6	1092.5	1095.5	1097.0	1091.0	1049.5	963.6
25°	1071.8	1080.7	1092.5	1108.8	1129.6	1141.4	1157.7	1174.1	1172.6	1131.1	1034.7
27.5°	1051.0	1061.4	1098.5	1123.7	1169.6	1202.2	1239.3	1261.5	1261.5	1227.4	1116.2
30°	1070.3	1074.7	1094.0	1129.6	1182.9	1257.1	1314.9	1343.0	1346.0	1323.8	1196.3
32.5°	1030.3	1040.6	1088.1	1156.3	1237.8	1319.3	1377.1	1437.9	1440.9	1433.5	1313.4
35°	1025.8	1031.7	1058.4	1131.1	1236.3	1377.1	1454.2	1531.3	1538.7	1547.6	1427.5
37.5°	979.9	991.7	1043.6	1134.0	1277.8	1415.7	1519.5	1638.0	1649.9	1678.1	1525.4
40°	930.9	939.8	982.8	1080.7	1264.5	1464.6	1583.2	1764.0	1778.9	1802.6	1660.3
42.5°	864.2	882.0	956.1	1058.4	1258.5	1479.4	1654.3	1879.7	1885.6	1927.1	1767.0
45°	802.0	807.9	864.2	981.3	1206.7	1501.7	1707.7	2010.1	2014.6	2041.3	1856.0
47.5°	751.6	759.0	816.8	916.1	1159.2	1495.7	1761.1	2136.1	2156.9	2186.5	1964.2
50°	595.9	612.2	764.9	859.8	1077.7	1485.4	1804.1	2287.3	2311.0	2339.2	2079.8
52.5°	514.4	521.8	598.9	803.5	997.6	1440.9	1844.1	2441.5	2469.7	2454.8	2226.6
55°	478.8	483.3	518.8	692.3	926.5	1356.4	1873.7	2585.3	2614.9	2543.8	2342.2
57.5°	453.6	459.5	480.3	566.3	846.4	1208.1	1876.7	2669.8	2680.2	2617.9	2389.6
60°	419.5	424.0	453.6	495.1	753.1	1052.5	1823.3	2706.8	2755.8	2696.5	2496.3
62.5°	394.3	398.8	418.0	449.2	662.6	928.0	1675.1	2822.5	2855.1	2775.0	2536.4
65°	364.7	364.7	383.9	415.1	604.8	852.4	1598.0	2785.4	2714.3	2752.8	2585.3
67.5°	321.7	324.6	343.9	369.1	507.0	779.7	1408.3	2613.5	2539.3	2646.1	2456.3
70°	286.1	283.1	303.9	323.2	415.1	687.8	1166.6	2435.6	2496.3	2484.5	2337.7
72.5°	238.7	235.7	253.5	274.2	335.0	570.7	922.0	2260.6	2296.2	2222.1	2073.9
75°	185.3	167.5	192.7	219.4	263.9	452.1	653.7	1872.3	2005.7	2094.6	1768.5
77.5°	29.6	29.6	37.1	51.9	86.0	229.8	292.0	1028.8	1180.0	1783.3	1550.6
80°	23.7	23.7	26.7	35.6	51.9	126.0	97.8	318.7	355.8	769.4	892.4
82.5°	13.3	13.3	19.3	23.7	32.6	38.5	43.0	155.7	173.4	272.8	345.4
85°	7.4	7.4	10.4	11.9	13.3	13.3	13.3	71.2	80.0	145.3	157.1
87.5°	4.4	4.4	4.4	4.4	4.4	3.0	1.5	1.5	1.5	1.5	1.5
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°	911.7	911.7	911.7	911.7	911.7	911.7	911.7	911.7	911.7	911.7	911.7
2.5°	902.8	898.3	890.9	885.0	880.5	876.1	868.7	864.2	864.2	871.6	873.1
5°	895.4	885.0	871.6	865.7	858.3	850.9	839.0	833.1	831.6	836.1	839.0
7.5°	889.4	874.6	861.3	846.4	824.2	804.9	794.6	787.1	790.1	797.5	794.6
10°	871.6	858.3	837.6	815.3	788.6	772.3	756.0	747.1	748.6	753.1	748.6
12.5°	864.2	846.4	812.3	785.7	761.9	730.8	710.1	696.7	696.7	704.1	704.1
15°	864.2	837.6	791.6	759.0	721.9	690.8	667.1	655.2	662.6	658.2	655.2
17.5°	871.6	830.1	778.3	723.4	678.9	647.8	619.6	603.3	607.8	610.7	607.8
20°	880.5	830.1	761.9	695.2	643.4	598.9	567.8	550.0	548.5	550.0	552.9
22.5°	910.2	849.4	751.6	677.5	598.9	555.9	524.8	493.6	492.2	490.7	493.6
25°	960.6	885.0	759.0	644.8	573.7	509.9	471.4	444.7	435.8	434.3	437.3
27.5°	1043.6	947.2	770.8	640.4	527.7	469.9	422.5	392.8	383.9	386.9	385.4
30°	1134.0	1027.3	804.9	609.3	501.0	410.6	366.2	340.9	332.1	326.1	327.6
32.5°	1200.7	1107.3	847.9	598.9	449.2	346.9	314.3	299.4	289.1	281.7	280.2
35°	1306.0	1175.5	886.5	575.2	403.2	305.4	278.7	262.4	256.5	252.0	252.0
37.5°	1406.8	1258.5	925.0	567.8	343.9	277.2	244.6	234.2	231.3	228.3	228.3
40°	1507.6	1343.0	947.2	538.1	296.5	243.1	212.0	210.5	214.9	212.0	213.5
42.5°	1632.1	1430.5	969.5	509.9	262.4	207.5	189.7	201.6	210.5	212.0	212.0
45°	1718.1	1489.8	978.4	441.8	226.8	180.9	185.3	198.6	209.0	213.5	212.0
47.5°	1796.7	1569.9	965.0	358.7	197.2	176.4	183.8	192.7	207.5	213.5	213.5
50°	1873.7	1636.6	953.2	265.3	186.8	177.9	183.8	188.3	204.6	210.5	210.5
52.5°	1982.0	1689.9	913.2	222.4	177.9	179.4	188.3	186.8	200.1	209.0	212.0
55°	2131.7	1814.4	836.1	210.5	176.4	177.9	188.3	188.3	197.2	204.6	209.0
57.5°	2198.4	1867.8	705.6	198.6	172.0	176.4	183.8	185.3	195.7	200.1	198.6
60°	2274.0	1934.5	578.1	185.3	164.5	173.4	176.4	182.3	189.7	189.7	188.3
62.5°	2319.9	1950.8	481.8	170.5	155.7	163.1	163.1	169.0	174.9	174.9	174.9
65°	2342.2	1934.5	360.2	157.1	145.3	151.2	149.7	152.7	157.1	149.7	149.7
67.5°	2254.7	1873.7	249.0	139.3	133.4	139.3	137.9	139.3	137.9	131.9	133.4
70°	2105.0	1703.3	172.0	118.6	117.1	127.5	129.0	126.0	117.1	112.7	112.7
72.5°	1916.7	1366.8	118.6	94.9	99.3	112.7	115.6	109.7	100.8	96.4	96.4
75°	1738.8	1181.5	84.5	65.2	66.7	86.0	91.9	91.9	88.9	118.6	126.0
77.5°	1209.6	764.9	48.9	34.1	32.6	48.9	56.3	57.8	111.2	120.1	117.1
80°	717.5	360.2	35.6	20.8	20.8	28.2	38.5	75.6	127.5	86.0	77.1
82.5°	274.2	137.9	22.2	13.3	11.9	14.8	22.2	117.1	74.1	48.9	44.5
85°	99.3	34.1	10.4	7.4	7.4	8.9	13.3	99.3	51.9	37.1	35.6
87.5°	1.5	1.5	3.0	3.0	3.0	1.5	1.5	3.0	3.0	3.0	1.5
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)