

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: P691342

Luminaire Tested: **CRTK2-C015-D-U-T3-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691342
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-C015-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: 4361 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

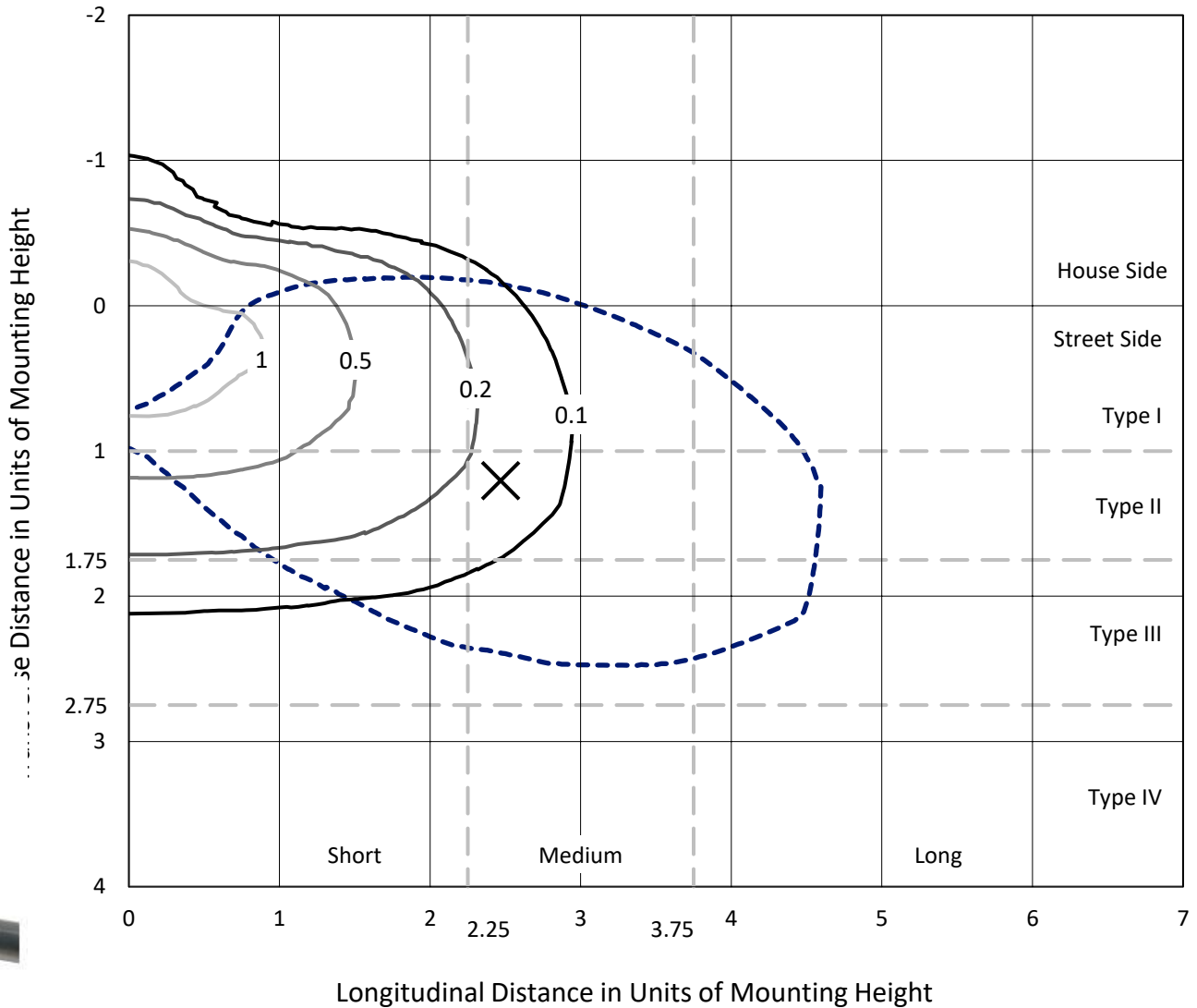
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691342
 CATALOG NUMBER: CRTK2-C015-D-U-T3-7050-U0

Iso-Footcandle Lines of Horizontal Illumination

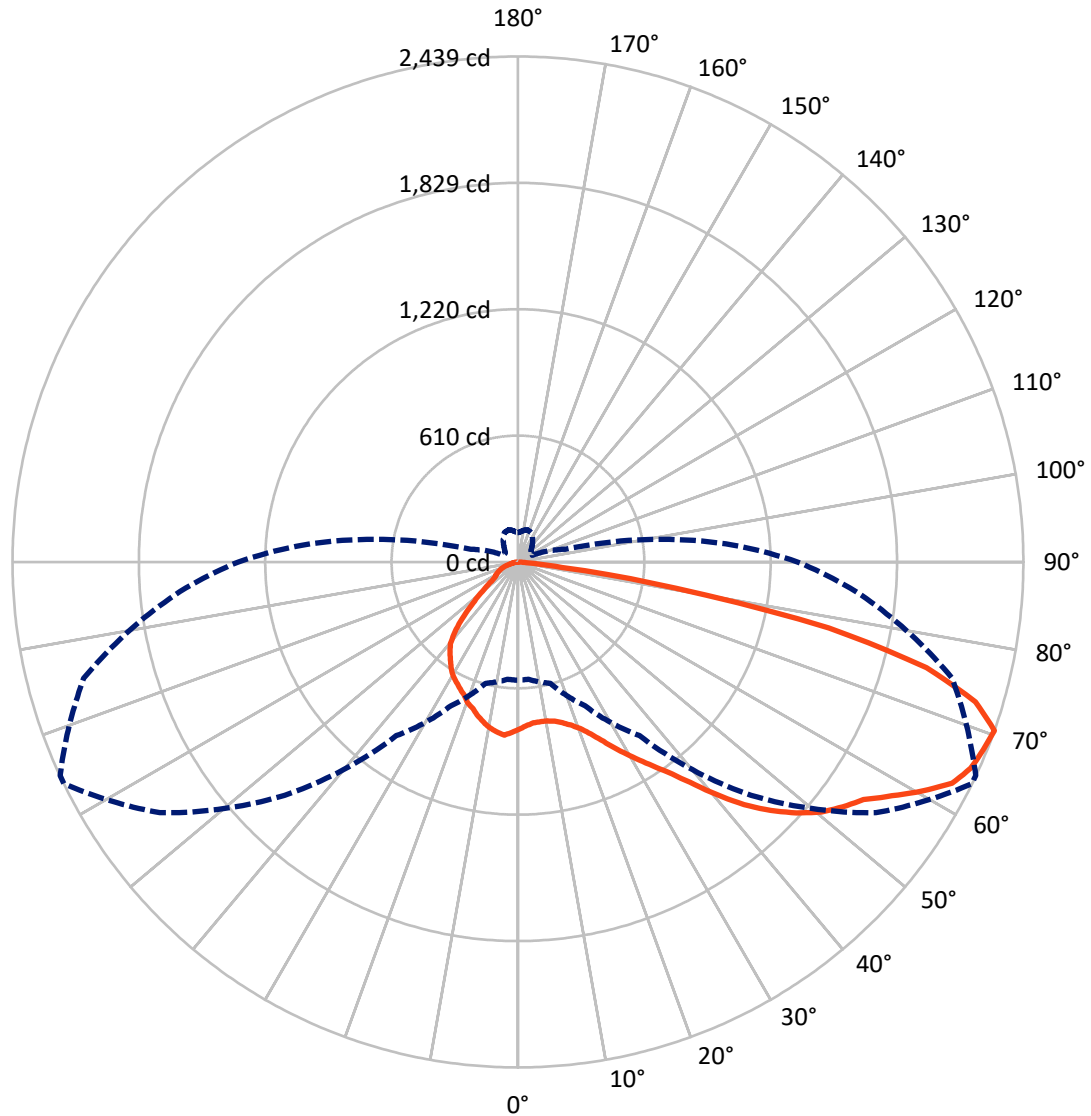
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P691342
CATALOG NUMBER: CRTK2-C015-D-U-T3-7050-U0

Luminous Intensity Polar Plot



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

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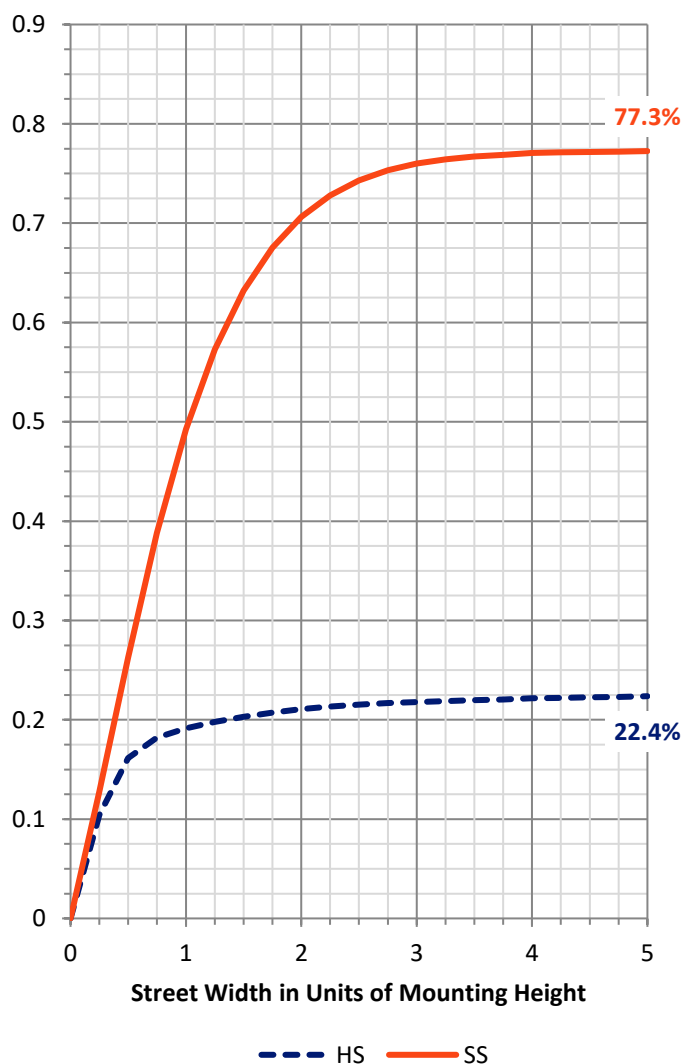
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	990.7	0.0	990.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	3370.3	0.0	3370.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	4361.0	0.0	4361.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.8
10°-20°	227.4	5.2
20°-30°	377.5	8.7
30°-40°	540.0	12.4
40°-50°	721.1	16.5
50°-60°	871.4	20.0
60°-70°	927.4	21.3
70°-80°	569.7	13.1
80°-90°	48.8	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°	4361.0	100.0
0°-180°	4361.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691342

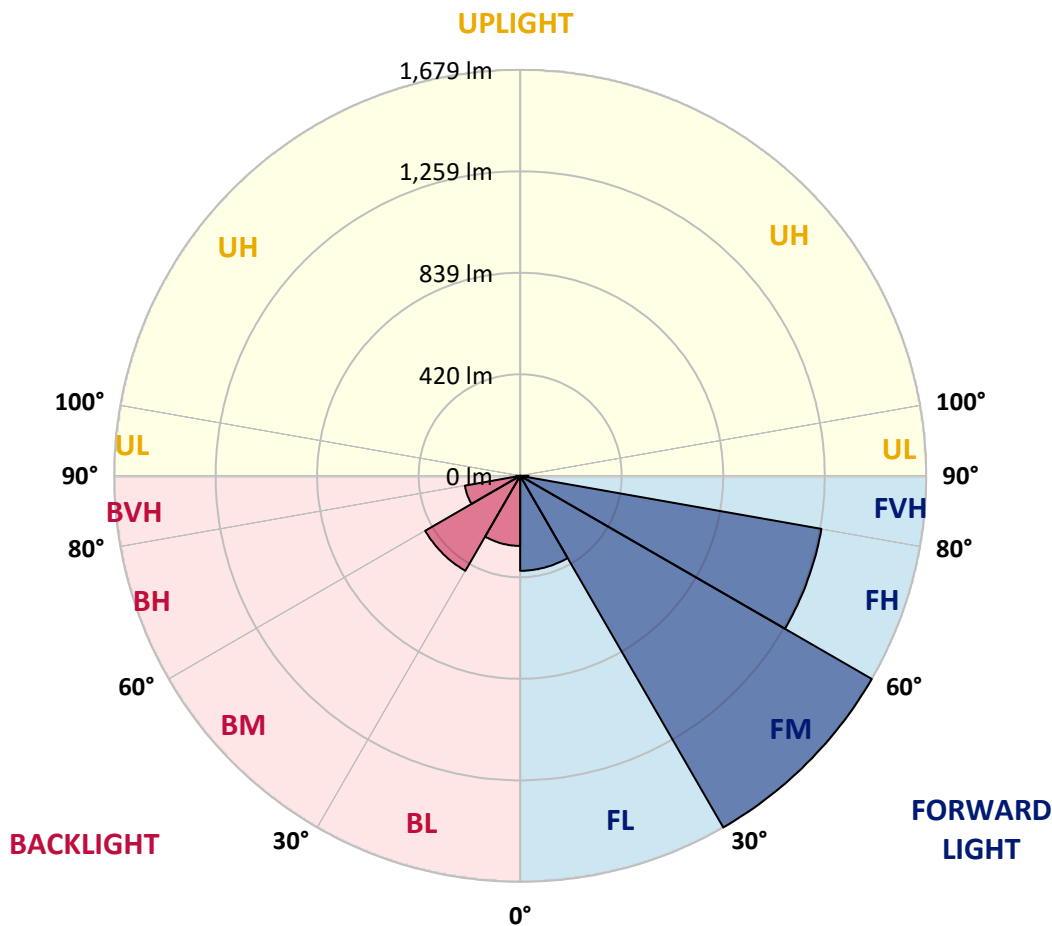
CATALOG NUMBER: CRTK2-C015-D-U-T3-7050-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.7	9.0			
FM (30°-60°)	1678.9	38.5			
FH (60°-80°)	1264.8	29.0			G1/1800
FVH (80°-90°)	33.9	0.8			G1/100
BL (0°-30°)	289.8	6.6	B1/500		
BM (30°-60°)	453.6	10.4	B1/1000		
BH (60°-80°)	232.3	5.3	B1/500		G1/500
BVH (80°-90°)	14.9	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





REPORT NUMBER: P691342

CATALOG NUMBER: CRTK2-C015-D-U-T3-7050-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6
2.5°	787.3	787.3	787.3	787.3	788.8	790.3	788.8	790.3	790.3	793.2	797.7
5°	800.6	800.6	797.7	791.8	787.3	781.4	778.4	779.9	779.9	787.3	799.2
7.5°	805.1	805.1	802.1	802.1	797.7	784.3	779.9	778.4	779.9	782.9	799.2
10°	827.3	825.9	818.4	809.5	803.6	791.8	781.4	779.9	781.4	785.8	803.6
12.5°	851.1	851.1	848.1	840.7	824.4	812.5	794.7	788.8	787.3	791.8	802.1
15°	898.5	892.6	880.7	870.3	858.5	839.2	815.5	805.1	802.1	808.1	803.6
17.5°	926.7	922.2	923.7	907.4	897.0	870.3	846.6	827.3	825.9	831.8	812.5
20°	957.8	956.3	959.3	957.8	941.5	917.8	880.7	857.0	854.0	855.5	825.9
22.5°	1005.3	1005.3	1003.8	1003.8	994.9	966.7	925.2	901.5	897.0	886.6	848.1
25°	1057.2	1057.2	1057.2	1060.1	1060.1	1027.5	986.0	959.3	956.3	941.5	885.2
27.5°	1106.1	1109.0	1110.5	1112.0	1116.5	1101.6	1055.7	1024.5	1023.0	1003.8	934.1
30°	1144.6	1146.1	1159.5	1162.4	1171.3	1166.9	1122.4	1092.7	1095.7	1070.5	988.9
32.5°	1178.7	1180.2	1199.5	1209.9	1220.2	1221.7	1184.7	1163.9	1163.9	1141.7	1055.7
35°	1211.3	1212.8	1236.6	1261.8	1282.5	1276.6	1255.8	1244.0	1248.4	1241.0	1147.6
37.5°	1239.5	1245.5	1276.6	1313.7	1337.4	1341.8	1332.9	1349.2	1358.1	1370.0	1272.1
40°	1266.2	1269.2	1298.8	1337.4	1377.4	1398.2	1408.5	1475.3	1484.2	1493.1	1343.3
42.5°	1241.0	1246.9	1310.7	1368.5	1418.9	1454.5	1503.4	1601.3	1620.6	1571.6	1439.7
45°	1211.3	1218.8	1282.5	1380.4	1451.5	1516.8	1607.2	1711.0	1725.8	1651.7	1491.6
47.5°	1186.1	1195.0	1260.3	1370.0	1485.6	1601.3	1691.7	1808.9	1817.8	1719.9	1562.7
50°	1158.0	1165.4	1235.1	1356.7	1503.4	1678.4	1780.7	1897.8	1900.8	1776.2	1599.8
52.5°	1120.9	1128.3	1199.5	1335.9	1516.8	1730.3	1854.8	1963.1	1951.2	1848.9	1642.8
55°	1073.5	1083.8	1160.9	1307.7	1524.2	1761.4	1905.2	2023.9	2017.9	1934.9	1699.2
57.5°	1023.0	1033.4	1112.0	1269.2	1516.8	1780.7	1957.1	2129.1	2127.6	2004.6	1740.7
60°	966.7	975.6	1042.3	1218.8	1476.7	1811.8	2071.3	2243.3	2255.2	2083.2	1757.0
62.5°	892.6	894.1	960.8	1146.1	1424.9	1834.1	2152.9	2351.5	2344.1	2135.1	1759.9
65°	794.7	799.2	858.5	1045.3	1340.3	1816.3	2173.6	2400.5	2400.5	2173.6	1757.0
67.5°	699.8	698.3	748.8	919.3	1209.9	1737.7	2155.8	2421.2	2431.6	2198.8	1718.4
70°	570.8	567.9	606.4	765.1	1023.0	1592.4	2109.9	2439.0	2437.5	2169.2	1636.9
72.5°	422.6	421.1	447.8	579.7	782.9	1362.6	1973.4	2308.5	2293.7	2026.8	1478.2
75°	234.3	222.4	220.9	358.8	455.2	954.8	1676.9	2035.7	2041.6	1791.1	1238.0
77.5°	34.1	35.6	37.1	65.2	78.6	357.3	1089.8	1534.6	1531.6	1381.9	903.0
80°	23.7	25.2	26.7	32.6	37.1	84.5	376.6	774.0	818.4	726.5	416.6
82.5°	17.8	17.8	19.3	22.2	20.8	38.5	117.1	215.0	222.4	201.6	123.1
85°	11.9	11.9	10.4	11.9	7.4	10.4	26.7	40.0	43.0	41.5	34.1
87.5°	5.9	5.9	4.4	4.4	3.0	3.0	3.0	1.5	3.0	1.5	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691342

CATALOG NUMBER: CRTK2-C015-D-U-T3-7050-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6
2.5°	802.1	805.1	814.0	821.4	830.3	840.7	846.6	852.5	858.5	855.5	860.0
5°	805.1	811.0	824.4	837.7	845.1	846.6	848.1	852.5	861.4	861.4	868.9
7.5°	808.1	818.4	818.4	825.9	836.2	839.2	840.7	843.6	848.1	849.6	848.1
10°	808.1	803.6	811.0	812.5	808.1	815.5	819.9	818.4	822.9	824.4	824.4
12.5°	799.2	797.7	791.8	791.8	790.3	778.4	778.4	790.3	790.3	797.7	799.2
15°	799.2	787.3	779.9	769.5	759.1	754.7	748.8	739.9	742.8	753.2	756.2
17.5°	797.7	784.3	762.1	741.3	733.9	716.1	710.2	710.2	708.7	714.7	716.1
20°	803.6	784.3	750.2	726.5	686.5	680.5	668.7	670.2	671.7	662.8	658.3
22.5°	819.9	796.2	741.3	695.4	664.2	637.6	615.3	600.5	599.0	594.6	599.0
25°	845.1	817.0	742.8	677.6	627.2	588.6	573.8	538.2	521.9	523.4	532.3
27.5°	891.1	842.2	750.2	658.3	597.5	542.7	495.2	473.0	455.2	455.2	458.1
30°	934.1	880.7	747.3	642.0	551.6	483.4	422.6	387.0	381.0	375.1	373.6
32.5°	1014.2	929.6	776.9	618.3	508.6	407.7	346.9	298.0	302.5	303.9	306.9
35°	1094.2	1008.2	782.9	588.6	446.3	332.1	268.4	241.7	253.5	256.5	259.5
37.5°	1201.0	1106.1	822.9	561.9	382.5	255.0	213.5	201.6	213.5	213.5	215.0
40°	1258.8	1152.0	855.5	535.2	299.5	188.3	167.5	158.6	173.5	185.3	188.3
42.5°	1340.3	1211.3	885.2	481.9	212.0	140.9	129.0	146.8	170.5	182.4	183.9
45°	1381.9	1241.0	874.8	410.7	139.4	114.2	126.0	148.3	172.0	183.9	185.3
47.5°	1438.2	1282.5	854.0	327.7	111.2	112.7	127.5	152.7	176.4	186.8	188.3
50°	1493.1	1325.5	800.6	261.0	106.8	112.7	130.5	154.2	175.0	182.4	180.9
52.5°	1524.2	1365.5	732.4	198.7	106.8	114.2	133.4	157.2	173.5	175.0	175.0
55°	1552.4	1370.0	676.1	154.2	105.3	115.6	136.4	160.1	175.0	175.0	172.0
57.5°	1570.2	1352.2	633.1	133.4	105.3	115.6	136.4	160.1	182.4	186.8	182.4
60°	1562.7	1318.1	603.5	124.5	102.3	114.2	134.9	164.6	223.9	234.3	225.4
62.5°	1545.0	1298.8	539.7	114.2	97.9	109.7	132.0	177.9	240.2	241.7	234.3
65°	1528.6	1235.1	462.6	102.3	91.9	105.3	127.5	180.9	203.1	195.7	194.2
67.5°	1454.5	1152.0	352.9	90.4	83.0	99.3	123.1	166.1	180.9	172.0	169.0
70°	1349.2	1006.7	235.7	77.1	74.1	91.9	123.1	155.7	161.6	146.8	140.9
72.5°	1156.5	833.3	129.0	62.3	62.3	84.5	111.2	145.3	149.8	132.0	121.6
75°	941.5	603.5	83.0	47.4	47.4	71.2	100.8	137.9	146.8	127.5	114.2
77.5°	647.9	330.6	57.8	34.1	31.1	54.9	80.1	112.7	130.5	109.7	93.4
80°	219.4	87.5	37.1	22.2	19.3	31.1	53.4	87.5	118.6	112.7	100.8
82.5°	86.0	54.9	25.2	14.8	13.3	14.8	26.7	54.9	94.9	102.3	118.6
85°	25.2	14.8	8.9	7.4	7.4	7.4	7.4	22.2	56.3	74.1	93.4
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	13.3	23.7	31.1
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)