

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: P691350

Luminaire Tested: **CRTK2-C015-D-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691350
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-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3785 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

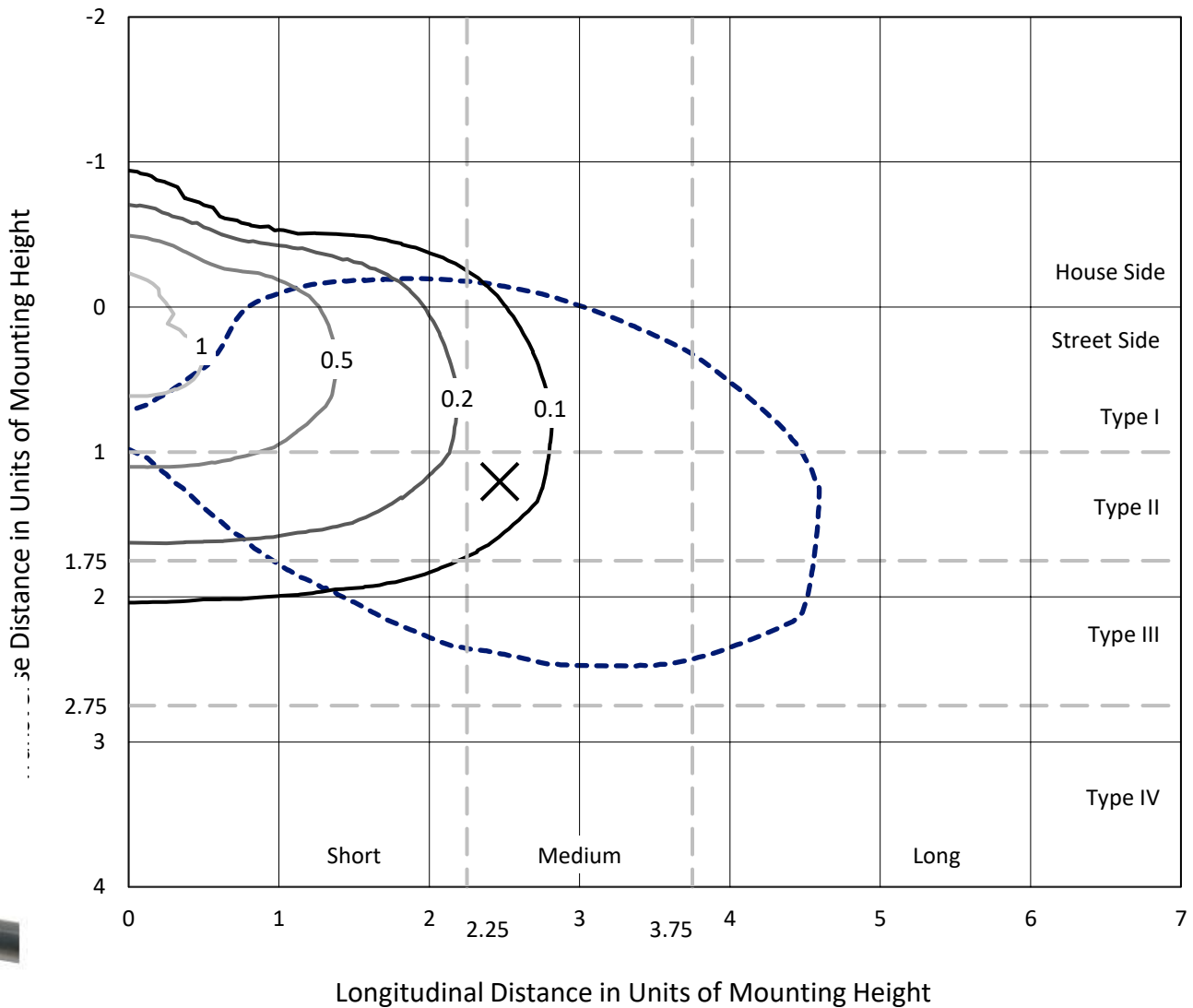
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691350
 CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-U0

Iso-Footcandle Lines of Horizontal Illumination

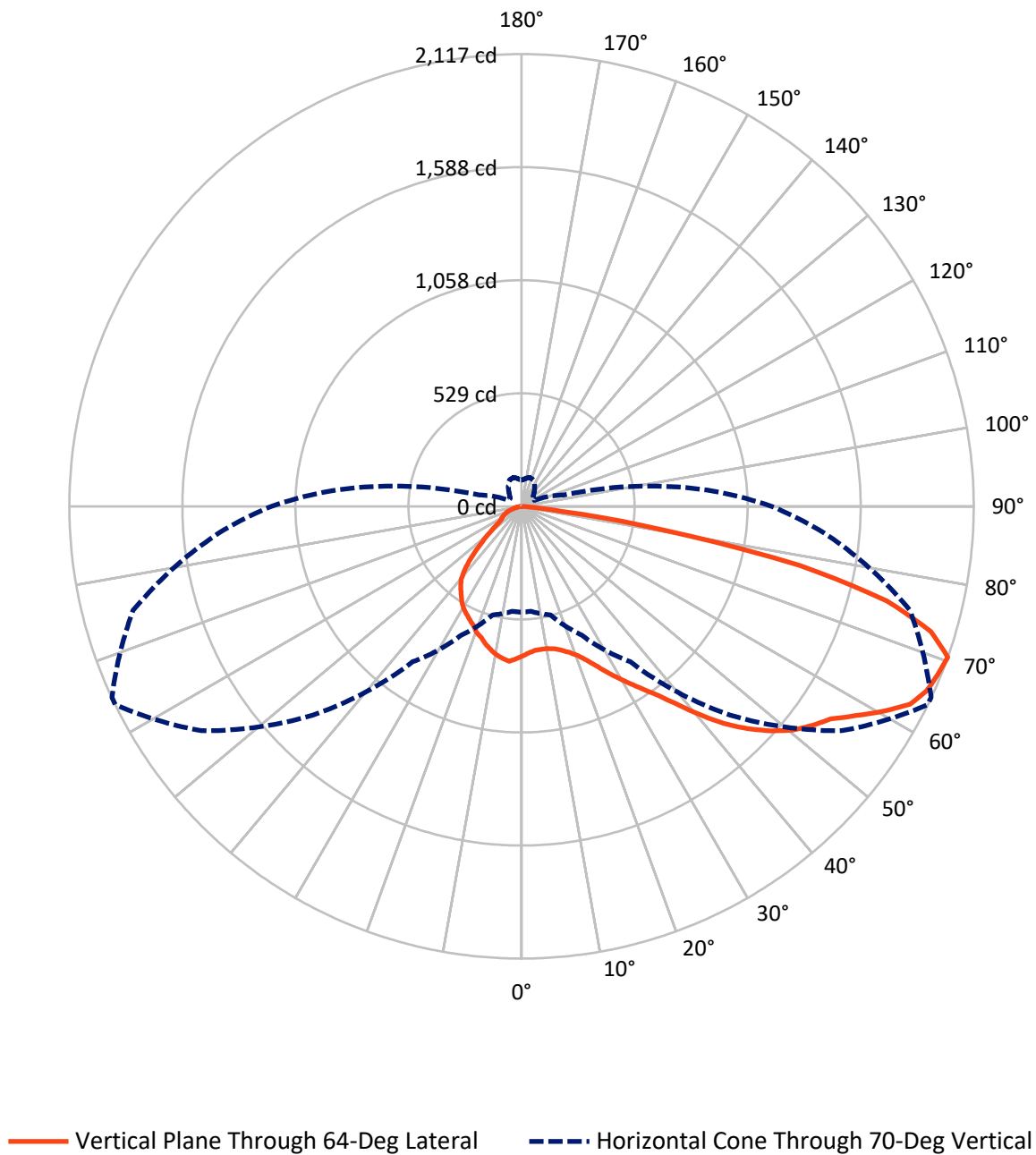
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P691350
CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P691350

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-U0

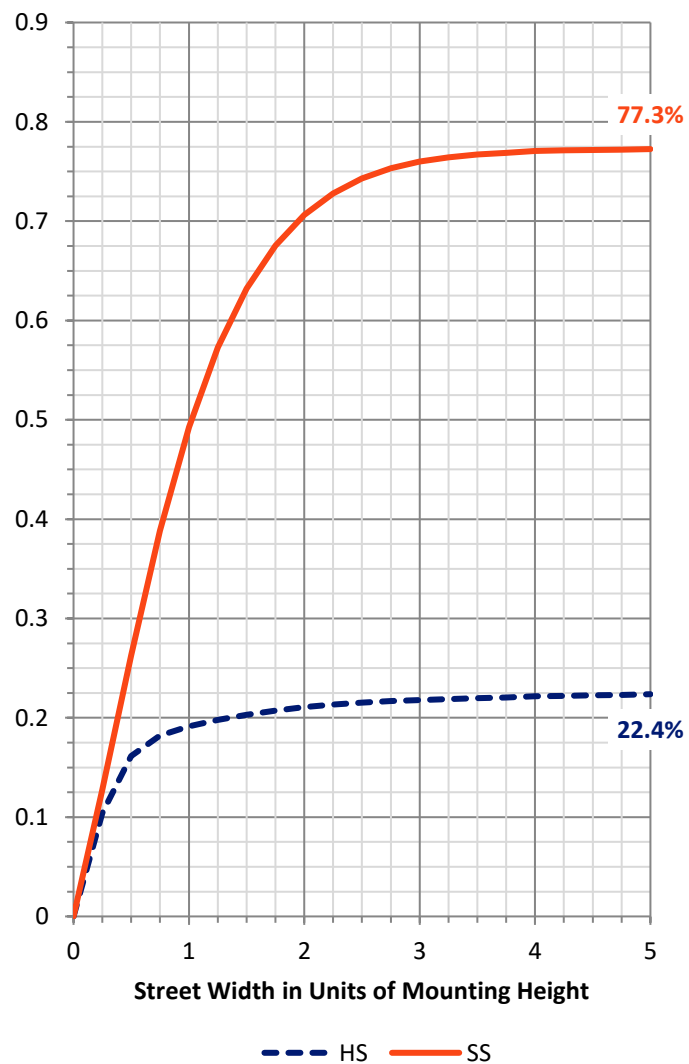
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	859.8	0.0	859.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	2925.2	0.0	2925.2
	% Fixture	77.3	0.0	77.3
Total	Lumens	3785.0	0.0	3785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	1.8
10°-20°	197.4	5.2
20°-30°	327.6	8.7
30°-40°	468.7	12.4
40°-50°	625.9	16.5
50°-60°	756.3	20.0
60°-70°	804.9	21.3
70°-80°	494.5	13.1
80°-90°	42.3	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°	3785.0	100.0
0°-180°	3785.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691350

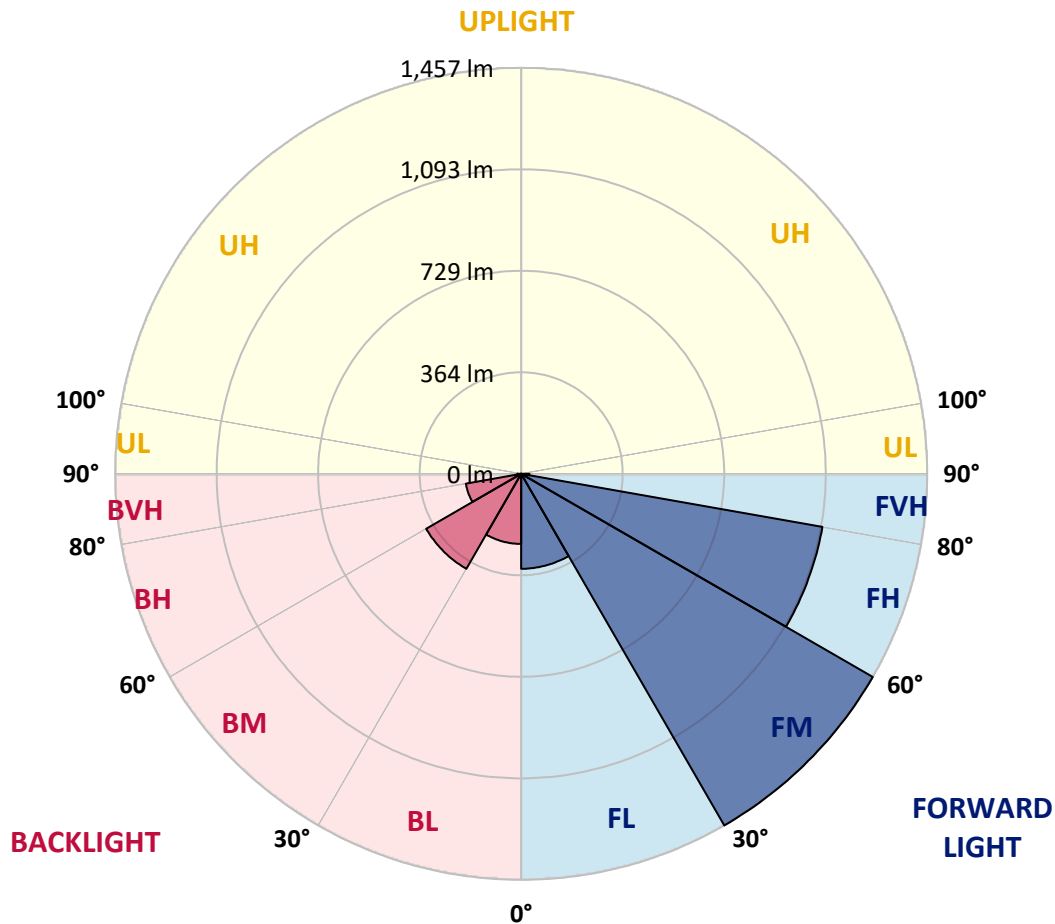
CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	340.8	9.0			
FM	(30°-60°)	1457.2	38.5			
FH	(60°-80°)	1097.8	29.0			G1/1800
FVH	(80°-90°)	29.4	0.8			G1/100
BL	(0°-30°)	251.6	6.6	B1/500		
BM	(30°-60°)	393.7	10.4	B1/1000		
BH	(60°-80°)	201.7	5.3	B1/500		G1/500
BVH	(80°-90°)	12.9	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: P691350

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0
2.5°	683.3	683.3	683.3	683.3	684.6	685.9	684.6	685.9	685.9	688.5	692.3
5°	694.9	694.9	692.3	687.2	683.3	678.2	675.6	676.9	676.9	683.3	693.6
7.5°	698.8	698.8	696.2	696.2	692.3	680.7	676.9	675.6	676.9	679.5	693.6
10°	718.1	716.8	710.3	702.6	697.5	687.2	678.2	676.9	678.2	682.0	697.5
12.5°	738.7	738.7	736.1	729.6	715.5	705.2	689.8	684.6	683.3	687.2	696.2
15°	779.8	774.7	764.4	755.4	745.1	728.4	707.8	698.8	696.2	701.3	697.5
17.5°	804.3	800.4	801.7	787.6	778.5	755.4	734.8	718.1	716.8	721.9	705.2
20°	831.3	830.0	832.6	831.3	817.1	796.6	764.4	743.8	741.2	742.5	716.8
22.5°	872.5	872.5	871.2	871.2	863.5	839.0	803.0	782.4	778.5	769.5	736.1
25°	917.5	917.5	917.5	920.1	920.1	891.8	855.8	832.6	830.0	817.1	768.2
27.5°	960.0	962.6	963.8	965.1	969.0	956.1	916.2	889.2	887.9	871.2	810.7
30°	993.4	994.7	1006.3	1008.9	1016.6	1012.7	974.1	948.4	951.0	929.1	858.3
32.5°	1023.0	1024.3	1041.1	1050.1	1059.1	1060.4	1028.2	1010.2	1010.2	990.9	916.2
35°	1051.4	1052.6	1073.2	1095.1	1113.1	1108.0	1090.0	1079.7	1083.5	1077.1	996.0
37.5°	1075.8	1081.0	1108.0	1140.1	1160.7	1164.6	1156.9	1171.0	1178.8	1189.0	1104.1
40°	1099.0	1101.5	1127.3	1160.7	1195.5	1213.5	1222.5	1280.4	1288.1	1295.9	1165.9
42.5°	1077.1	1082.2	1137.6	1187.8	1231.5	1262.4	1304.9	1389.8	1406.5	1364.1	1249.5
45°	1051.4	1057.8	1113.1	1198.1	1259.8	1316.4	1394.9	1485.0	1497.9	1433.5	1294.6
47.5°	1029.5	1037.2	1093.8	1189.0	1289.4	1389.8	1468.3	1570.0	1577.7	1492.7	1356.3
50°	1005.0	1011.5	1071.9	1177.5	1304.9	1456.7	1545.5	1647.2	1649.7	1541.6	1388.5
52.5°	972.9	979.3	1041.1	1159.4	1316.4	1501.8	1609.8	1703.8	1693.5	1604.7	1425.8
55°	931.7	940.7	1007.6	1135.0	1322.9	1528.8	1653.6	1756.5	1751.4	1679.3	1474.7
57.5°	887.9	896.9	965.1	1101.5	1316.4	1545.5	1698.6	1847.9	1846.6	1739.8	1510.8
60°	839.0	846.7	904.7	1057.8	1281.7	1572.5	1797.7	1947.0	1957.3	1808.0	1524.9
62.5°	774.7	776.0	833.9	994.7	1236.7	1591.8	1868.5	2040.9	2034.5	1853.1	1527.5
65°	689.8	693.6	745.1	907.2	1163.3	1576.4	1886.5	2083.4	2083.4	1886.5	1524.9
67.5°	607.4	606.1	649.9	797.8	1050.1	1508.2	1871.1	2101.4	2110.4	1908.4	1491.5
70°	495.4	492.9	526.3	664.0	887.9	1382.1	1831.2	2116.9	2115.6	1882.7	1420.7
72.5°	366.8	365.5	388.6	503.2	679.5	1182.6	1712.8	2003.6	1990.8	1759.1	1283.0
75°	203.3	193.0	191.7	311.4	395.1	828.7	1455.4	1766.8	1772.0	1554.5	1074.5
77.5°	29.6	30.9	32.2	56.6	68.2	310.1	945.8	1331.9	1329.3	1199.3	783.7
80°	20.6	21.9	23.2	28.3	32.2	73.4	326.9	671.7	710.3	630.6	361.6
82.5°	15.4	15.4	16.7	19.3	18.0	33.5	101.7	186.6	193.0	175.0	106.8
85°	10.3	10.3	9.0	10.3	6.4	9.0	23.2	34.7	37.3	36.0	29.6
87.5°	5.1	5.1	3.9	3.9	2.6	2.6	2.6	1.3	2.6	1.3	2.6
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: P691350

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0
2.5°	696.2	698.8	706.5	712.9	720.6	729.6	734.8	739.9	745.1	742.5	746.4
5°	698.8	703.9	715.5	727.1	733.5	734.8	736.1	739.9	747.7	747.7	754.1
7.5°	701.3	710.3	710.3	716.8	725.8	728.4	729.6	732.2	736.1	737.4	736.1
10°	701.3	697.5	703.9	705.2	701.3	707.8	711.6	710.3	714.2	715.5	715.5
12.5°	693.6	692.3	687.2	687.2	685.9	675.6	675.6	685.9	685.9	692.3	693.6
15°	693.6	683.3	676.9	667.9	658.9	655.0	649.9	642.1	644.7	653.7	656.3
17.5°	692.3	680.7	661.4	643.4	637.0	621.5	616.4	616.4	615.1	620.3	621.5
20°	697.5	680.7	651.1	630.6	595.8	590.7	580.4	581.7	582.9	575.2	571.4
22.5°	711.6	691.0	643.4	603.5	576.5	553.3	534.0	521.2	519.9	516.0	519.9
25°	733.5	709.1	644.7	588.1	544.3	510.9	498.0	467.1	453.0	454.3	462.0
27.5°	773.4	730.9	651.1	571.4	518.6	471.0	429.8	410.5	395.1	395.1	397.6
30°	810.7	764.4	648.6	557.2	478.7	419.5	366.8	335.9	330.7	325.6	324.3
32.5°	880.2	806.9	674.3	536.6	441.4	353.9	301.1	258.7	262.5	263.8	266.4
35°	949.7	875.1	679.5	510.9	387.3	288.3	232.9	209.8	220.1	222.6	225.2
37.5°	1042.3	960.0	714.2	487.7	332.0	221.3	185.3	175.0	185.3	185.3	186.6
40°	1092.5	999.9	742.5	464.6	259.9	163.4	145.4	137.7	150.6	160.9	163.4
42.5°	1163.3	1051.4	768.2	418.2	184.0	122.3	112.0	127.4	148.0	158.3	159.6
45°	1199.3	1077.1	759.2	356.5	121.0	99.1	109.4	128.7	149.3	159.6	160.9
47.5°	1248.2	1113.1	741.2	284.4	96.5	97.8	110.7	132.5	153.1	162.1	163.4
50°	1295.9	1150.4	694.9	226.5	92.7	97.8	113.2	133.8	151.8	158.3	157.0
52.5°	1322.9	1185.2	635.7	172.4	92.7	99.1	115.8	136.4	150.6	151.8	151.8
55°	1347.3	1189.0	586.8	133.8	91.4	100.4	118.4	139.0	151.8	151.8	149.3
57.5°	1362.8	1173.6	549.5	115.8	91.4	100.4	118.4	139.0	158.3	162.1	158.3
60°	1356.3	1144.0	523.7	108.1	88.8	99.1	117.1	142.8	194.3	203.3	195.6
62.5°	1340.9	1127.3	468.4	99.1	84.9	95.2	114.5	154.4	208.5	209.8	203.3
65°	1326.7	1071.9	401.5	88.8	79.8	91.4	110.7	157.0	176.3	169.9	168.6
67.5°	1262.4	999.9	306.3	78.5	72.1	86.2	106.8	144.1	157.0	149.3	146.7
70°	1171.0	873.8	204.6	66.9	64.3	79.8	106.8	135.1	140.3	127.4	122.3
72.5°	1003.7	723.2	112.0	54.0	54.0	73.4	96.5	126.1	130.0	114.5	105.5
75°	817.1	523.7	72.1	41.2	41.2	61.8	87.5	119.7	127.4	110.7	99.1
77.5°	562.4	287.0	50.2	29.6	27.0	47.6	69.5	97.8	113.2	95.2	81.1
80°	190.5	75.9	32.2	19.3	16.7	27.0	46.3	75.9	102.9	97.8	87.5
82.5°	74.6	47.6	21.9	12.9	11.6	12.9	23.2	47.6	82.4	88.8	102.9
85°	21.9	12.9	7.7	6.4	6.4	6.4	6.4	19.3	48.9	64.3	81.1
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	11.6	20.6	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)