

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: P691349

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3513 lumens
Efficiency: N/A
Efficacy: 117.5 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

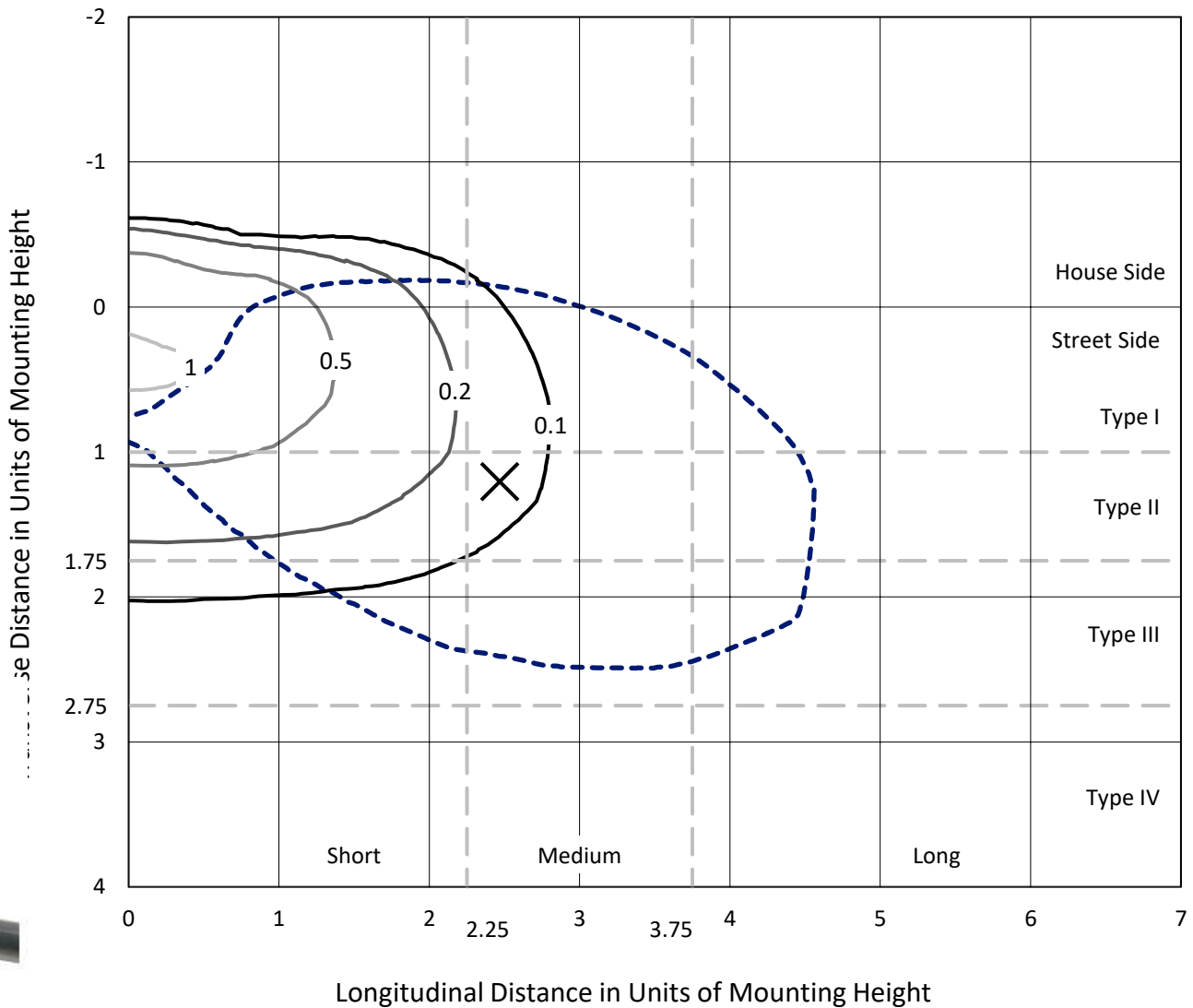


REPORT NUMBER: P691349

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

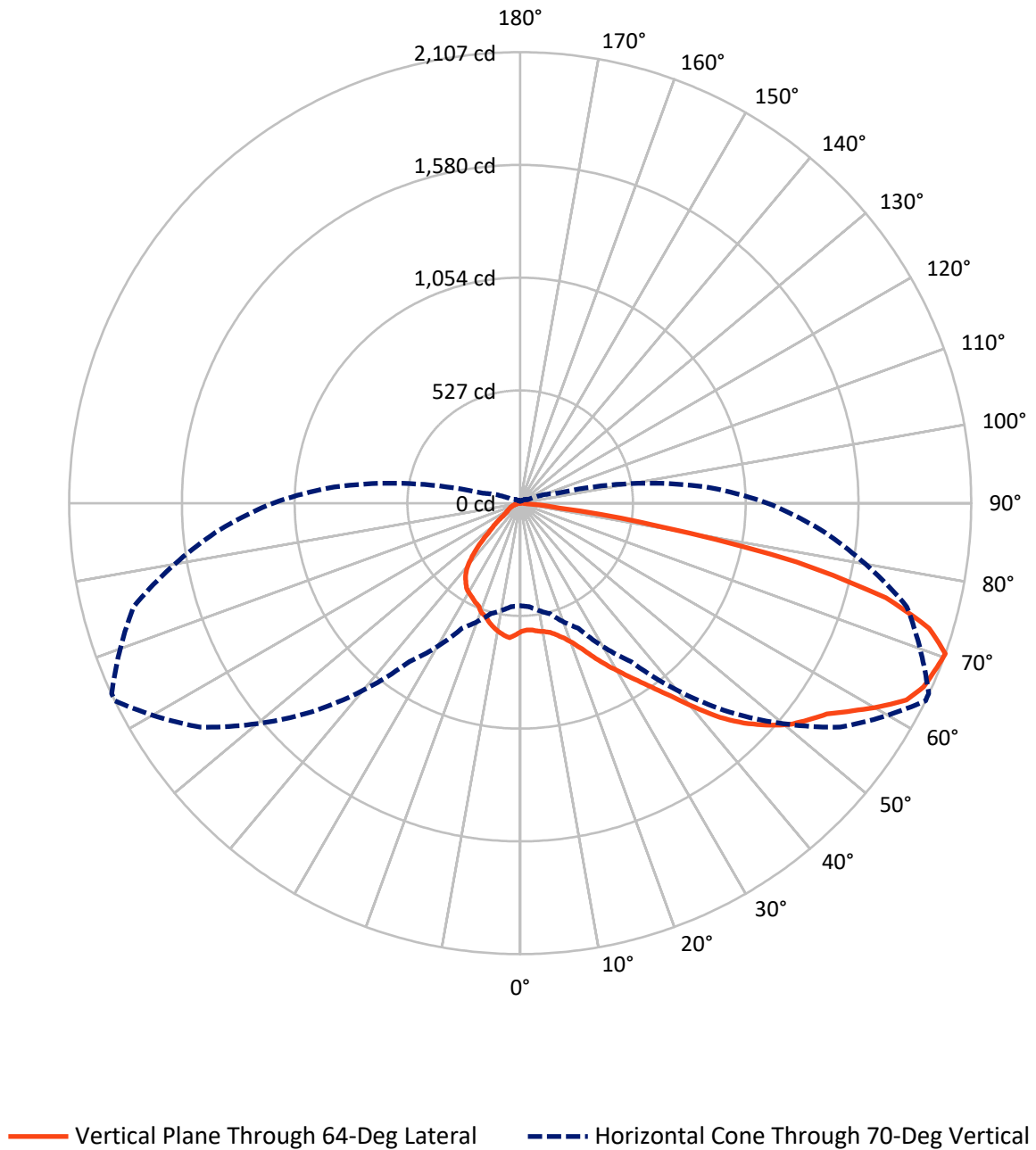


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

REPORT NUMBER: P691349

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

Luminous Intensity Polar Plot



REPORT NUMBER: P691349

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

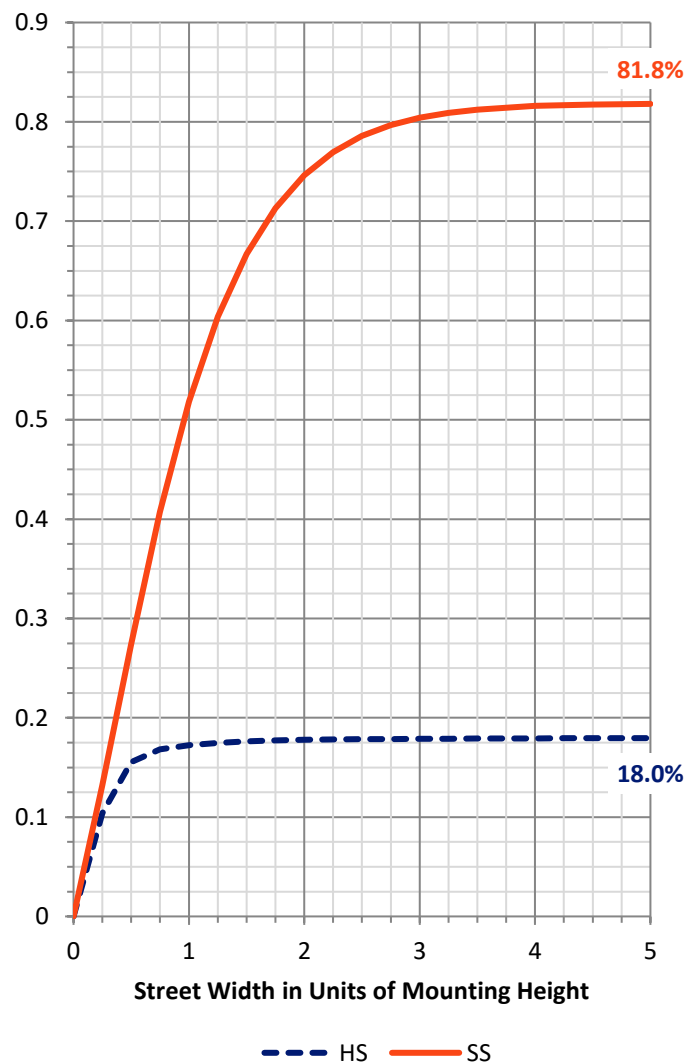
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	638.5	0.0	638.5
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	2874.5	0.0	2874.5
	% Fixture	81.8	0.0	81.8
Total	Lumens	3513.0	0.0	3513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.7
10°-20°	172.9	4.9
20°-30°	291.4	8.3
30°-40°	428.8	12.2
40°-50°	588.1	16.7
50°-60°	715.5	20.4
60°-70°	759.7	21.6
70°-80°	465.7	13.3
80°-90°	32.5	0.9
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°	3513.0	100.0
0°-180°	3513.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691349

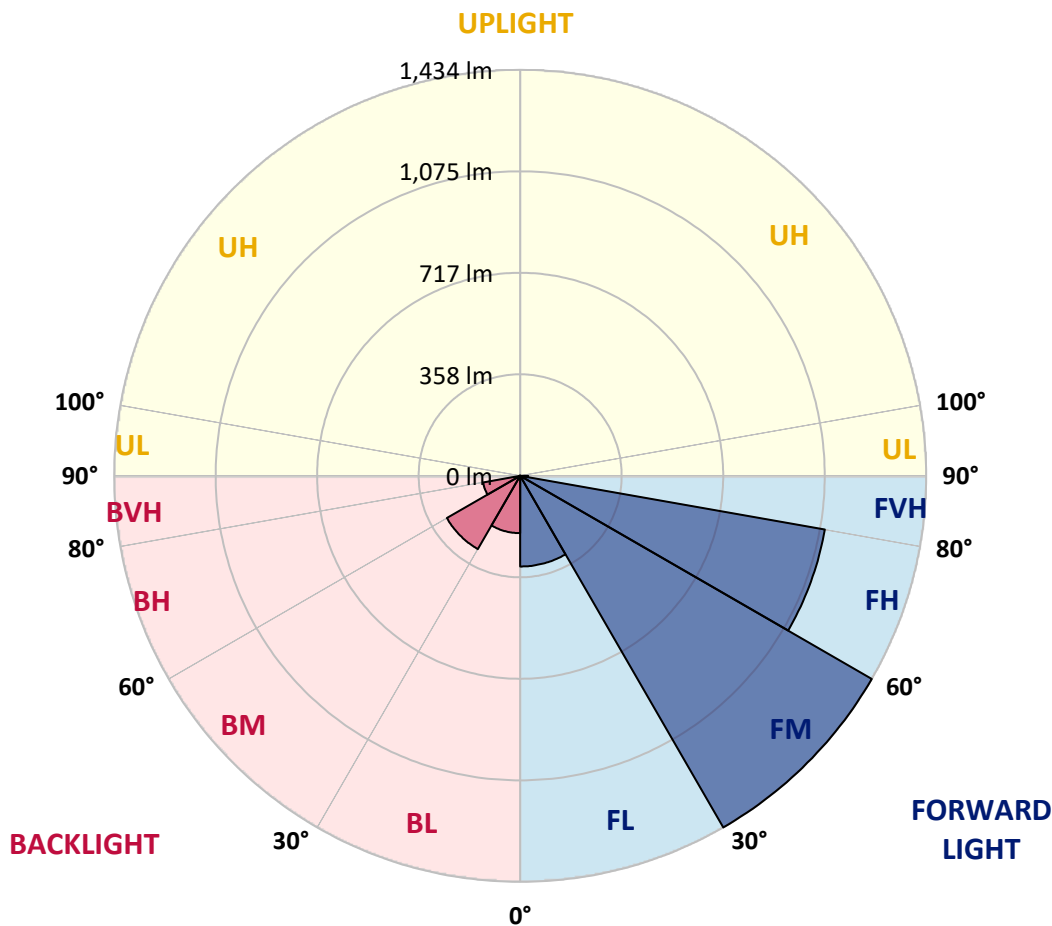
CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.2	9.1			
FM	(30°-60°)	1433.6	40.8			
FH	(60°-80°)	1092.4	31.1			G1/1800
FVH	(80°-90°)	28.3	0.8			G1/100
BL	(0°-30°)	202.5	5.8	B1/500		
BM	(30°-60°)	298.8	8.5	B1/1000		
BH	(60°-80°)	132.9	3.8	B1/500		G1/500
BVH	(80°-90°)	4.2	0.1			G0/10
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: P691349

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	593.4	593.4	594.7	593.4	596.0	592.1	593.4	593.4	593.4	594.7	598.6
5°	611.4	611.4	608.9	605.0	601.1	596.0	596.0	596.0	596.0	598.6	607.6
7.5°	623.0	621.7	621.7	621.7	617.9	607.6	605.0	603.7	603.7	603.7	612.7
10°	651.3	647.5	642.3	634.6	630.7	621.7	611.4	610.1	610.1	611.4	623.0
12.5°	678.4	674.5	674.5	669.4	653.9	643.6	625.6	619.2	619.2	621.7	628.2
15°	723.4	719.6	709.3	700.2	686.1	668.1	650.0	638.5	637.2	642.3	633.3
17.5°	755.6	749.2	750.5	736.3	724.7	699.0	680.9	662.9	662.9	668.1	650.0
20°	786.5	786.5	787.8	786.5	767.2	746.6	717.0	695.1	696.4	697.7	669.4
22.5°	832.8	831.5	831.5	832.8	820.0	796.8	764.6	740.2	738.9	728.6	693.8
25°	886.9	884.3	879.2	884.3	877.9	850.9	820.0	795.5	791.6	777.5	729.9
27.5°	931.9	931.9	931.9	934.5	934.5	915.2	880.5	854.7	857.3	838.0	772.3
30°	964.1	964.1	975.7	980.9	984.7	978.3	941.0	913.9	919.1	895.9	825.1
32.5°	998.9	997.6	1013.0	1024.6	1029.8	1032.4	1001.5	979.6	980.9	960.3	885.6
35°	1031.1	1028.5	1049.1	1073.5	1086.4	1083.8	1062.0	1054.2	1056.8	1050.4	968.0
37.5°	1054.2	1058.1	1085.1	1117.3	1137.9	1143.1	1128.9	1143.1	1157.2	1166.2	1074.8
40°	1080.0	1080.0	1105.7	1140.5	1172.7	1192.0	1202.3	1253.8	1265.3	1271.8	1137.9
42.5°	1054.2	1063.2	1117.3	1167.5	1210.0	1239.6	1282.1	1368.3	1381.2	1341.3	1221.6
45°	1032.4	1040.1	1094.1	1179.1	1240.9	1298.8	1376.0	1466.1	1479.0	1410.8	1269.2
47.5°	1010.5	1019.5	1076.1	1170.1	1269.2	1364.5	1452.0	1549.8	1556.3	1471.3	1332.3
50°	986.0	995.0	1054.2	1158.5	1285.9	1435.3	1526.6	1627.0	1628.3	1524.1	1364.5
52.5°	955.1	966.7	1025.9	1141.8	1300.1	1482.9	1593.6	1683.7	1676.0	1588.4	1403.1
55°	916.5	929.4	995.0	1119.9	1307.8	1513.8	1637.3	1739.0	1733.9	1663.1	1453.3
57.5°	872.7	886.9	955.1	1086.4	1305.2	1529.2	1682.4	1830.4	1833.0	1724.9	1490.6
60°	822.5	835.4	899.8	1042.7	1271.8	1557.5	1778.9	1930.8	1939.8	1793.1	1506.1
62.5°	756.9	768.5	830.3	978.3	1229.3	1578.1	1852.3	2026.1	2022.2	1839.4	1511.2
65°	674.5	687.4	745.3	893.3	1162.4	1565.3	1875.5	2071.1	2071.1	1872.9	1507.3
67.5°	590.8	602.4	651.3	785.2	1054.2	1500.9	1861.3	2089.2	2100.7	1894.8	1472.6
70°	478.8	485.3	534.2	644.9	903.6	1379.9	1825.3	2107.2	2105.9	1870.3	1406.9
72.5°	351.4	359.1	399.0	484.0	699.0	1194.5	1712.0	1997.8	1977.2	1739.0	1279.5
75°	181.5	189.2	220.1	303.8	445.4	843.1	1459.7	1764.8	1760.9	1539.5	1059.4
77.5°	24.5	24.5	28.3	50.2	103.0	336.0	956.4	1322.0	1314.3	1173.9	769.8
80°	16.7	16.7	19.3	23.2	29.6	73.4	337.3	670.6	682.2	605.0	345.0
82.5°	12.9	11.6	14.2	16.7	18.0	33.5	103.0	185.4	187.9	168.6	105.6
85°	7.7	7.7	7.7	7.7	6.4	9.0	23.2	30.9	34.8	33.5	27.0
87.5°	3.9	3.9	3.9	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P691349

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	599.8	603.7	608.9	615.3	621.7	626.9	632.0	634.6	637.2	638.5	639.7
5°	610.1	615.3	621.7	630.7	630.7	626.9	624.3	624.3	626.9	630.7	632.0
7.5°	620.4	625.6	623.0	621.7	623.0	617.9	611.4	607.6	605.0	605.0	607.6
10°	624.3	619.2	616.6	610.1	597.3	594.7	589.5	579.3	576.7	579.3	570.2
12.5°	621.7	617.9	605.0	594.7	581.8	559.9	547.1	547.1	540.6	539.3	540.6
15°	628.2	615.3	599.8	578.0	554.8	536.8	516.2	498.2	493.0	494.3	494.3
17.5°	633.3	620.4	589.5	556.1	535.5	503.3	480.1	469.8	460.8	459.5	459.5
20°	644.9	626.9	583.1	547.1	495.6	471.1	445.4	432.5	418.3	399.0	392.6
22.5°	662.9	638.5	579.3	522.6	477.6	438.9	401.6	363.0	339.8	324.4	328.2
25°	687.4	660.3	583.1	513.6	450.5	401.6	352.7	299.9	265.2	254.9	261.3
27.5°	731.1	684.8	594.7	500.7	431.2	357.8	284.5	238.1	206.0	195.7	199.5
30°	771.0	722.1	596.0	493.0	400.3	306.4	224.0	172.5	146.7	131.3	127.4
32.5°	843.1	762.0	628.2	482.7	368.1	249.7	164.8	114.6	91.4	82.4	79.8
35°	913.9	832.8	637.2	463.4	308.9	185.4	101.7	68.2	55.4	48.9	47.6
37.5°	1011.8	919.1	674.5	442.8	249.7	113.3	61.8	41.2	38.6	37.3	37.3
40°	1060.7	964.1	705.4	413.2	175.1	64.4	39.9	36.0	34.8	33.5	33.5
42.5°	1130.2	1015.6	731.1	360.4	103.0	42.5	36.0	33.5	32.2	30.9	30.9
45°	1168.8	1042.7	724.7	296.1	51.5	39.9	34.8	32.2	29.6	29.6	29.6
47.5°	1220.3	1082.6	708.0	218.8	46.3	38.6	33.5	30.9	29.6	30.9	29.6
50°	1269.2	1121.2	661.6	173.8	45.1	37.3	33.5	29.6	29.6	29.6	29.6
52.5°	1296.2	1157.2	603.7	127.4	46.3	37.3	32.2	29.6	29.6	28.3	29.6
55°	1322.0	1162.4	557.4	92.7	46.3	36.0	30.9	28.3	27.0	25.7	25.7
57.5°	1340.0	1150.8	520.0	77.2	46.3	36.0	29.6	27.0	23.2	21.9	21.9
60°	1334.8	1122.5	489.1	70.8	43.8	33.5	27.0	23.2	20.6	18.0	18.0
62.5°	1320.7	1105.7	432.5	61.8	39.9	30.9	24.5	19.3	16.7	15.4	15.4
65°	1307.8	1052.9	366.9	55.4	37.3	27.0	20.6	16.7	14.2	12.9	12.9
67.5°	1246.0	983.4	272.9	47.6	33.5	24.5	18.0	15.4	12.9	11.6	10.3
70°	1154.6	871.4	178.9	41.2	29.6	20.6	15.4	12.9	10.3	9.0	9.0
72.5°	998.9	719.6	92.7	33.5	24.5	18.0	14.2	11.6	9.0	7.7	7.7
75°	811.0	529.0	55.4	25.7	19.3	15.4	11.6	9.0	7.7	6.4	6.4
77.5°	561.2	292.2	39.9	19.3	12.9	11.6	9.0	7.7	6.4	5.1	5.1
80°	189.2	79.8	28.3	14.2	9.0	9.0	6.4	5.1	5.1	3.9	3.9
82.5°	74.7	48.9	19.3	10.3	7.7	6.4	5.1	3.9	3.9	3.9	3.9
85°	20.6	14.2	7.7	5.1	3.9	3.9	3.9	2.6	2.6	2.6	2.6
87.5°	1.3	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3
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)