

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: P691225

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3797 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.7
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

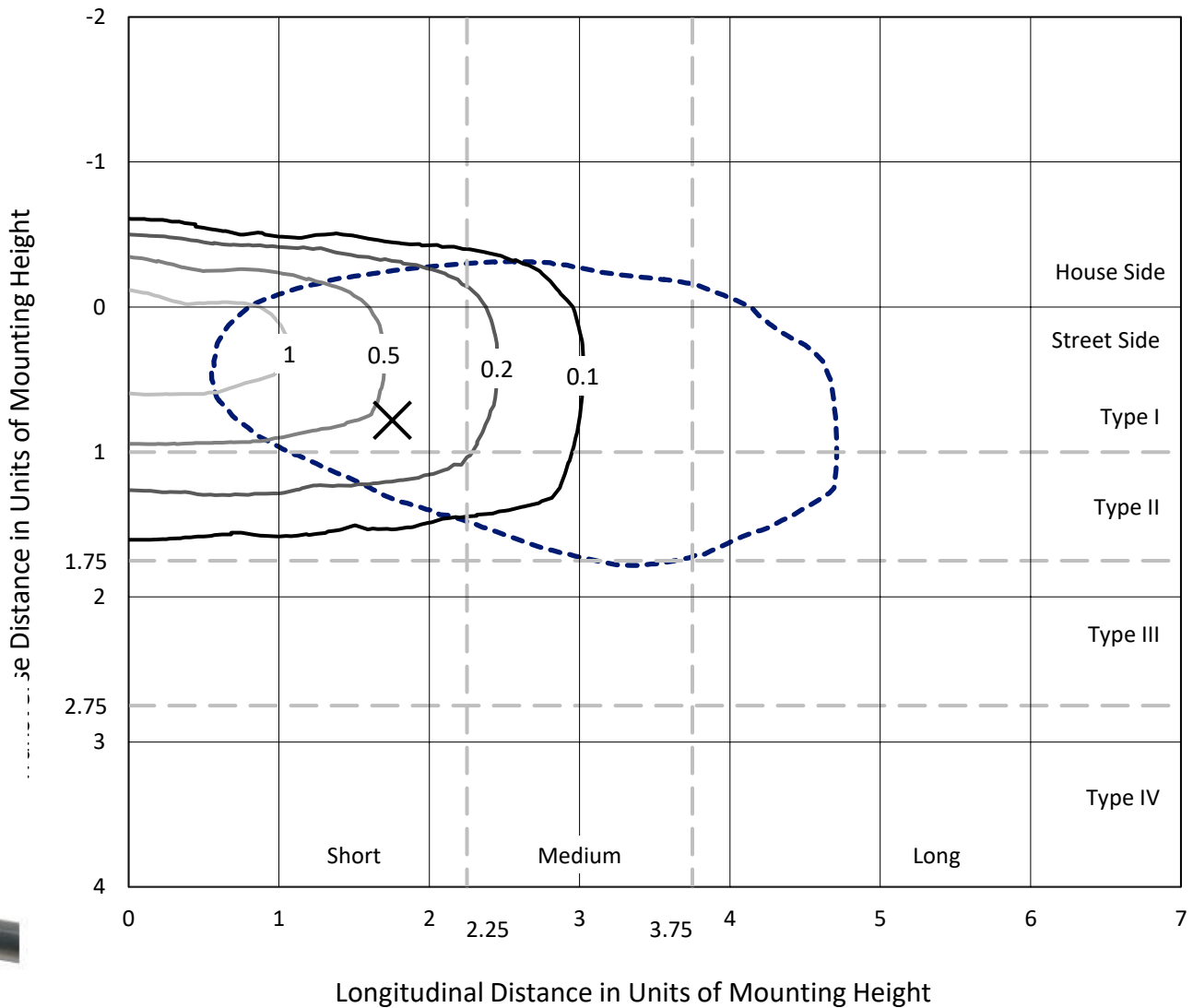


REPORT NUMBER: P691225

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

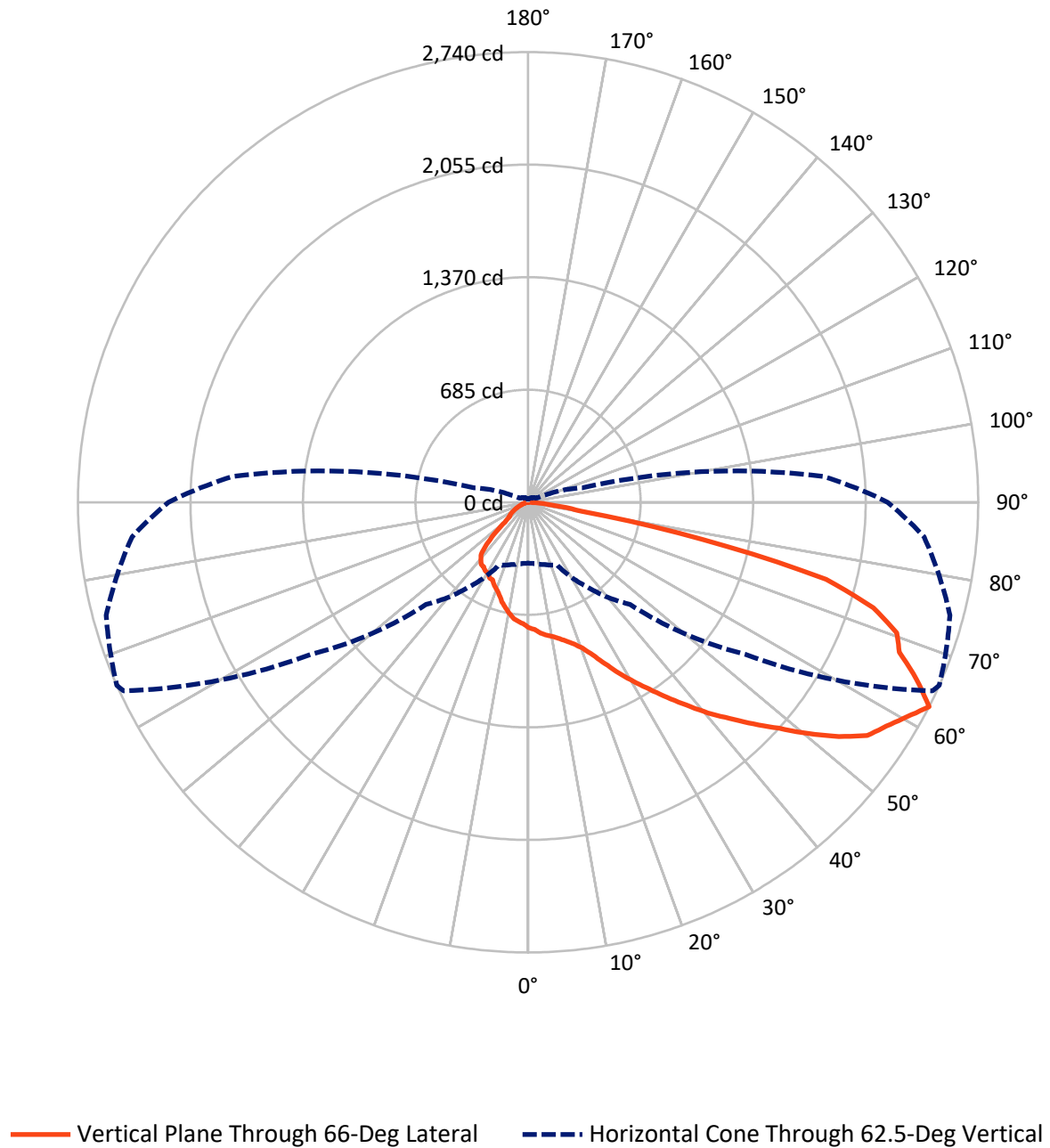


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

REPORT NUMBER: P691225

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691225

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-U0-HSS-CRTK2

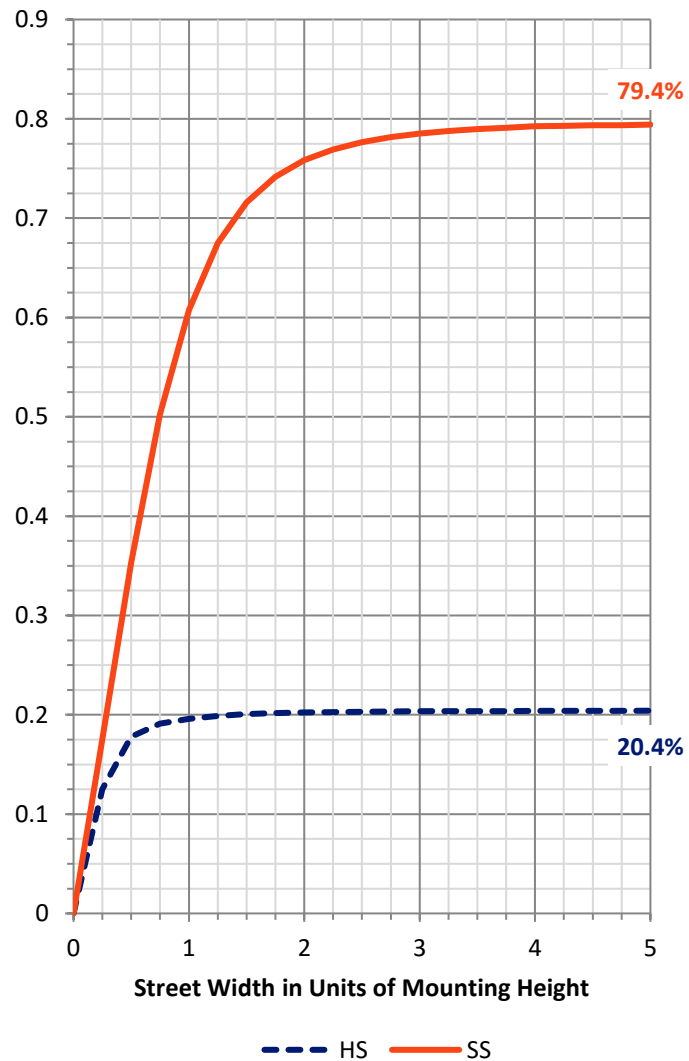
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	784.4	0.0	784.4
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	3012.6	0.0	3012.6
	% Fixture	79.3	0.0	79.3
Total	Lumens	3797.0	0.0	3797.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	1.9
10°-20°	205.5	5.4
20°-30°	337.2	8.9
30°-40°	496.2	13.1
40°-50°	654.4	17.2
50°-60°	761.7	20.1
60°-70°	756.9	19.9
70°-80°	468.2	12.3
80°-90°	44.8	1.2
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°	3797.0	100.0
0°-180°	3797.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691225

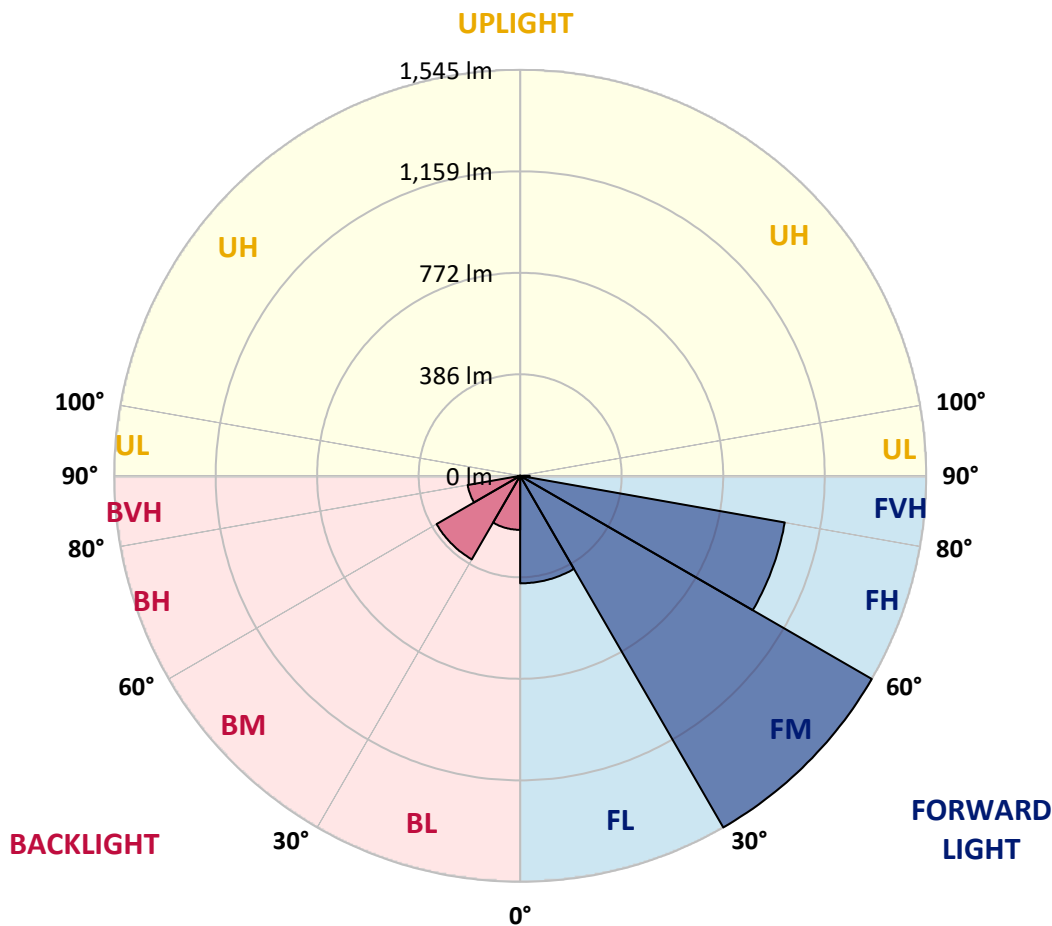
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.1	10.8			
FM	(30°-60°)	1545.0	40.7			
FH	(60°-80°)	1022.4	26.9			G1/1800
FVH	(80°-90°)	36.2	1.0			G1/100
BL	(0°-30°)	205.7	5.4	B1/500		
BM	(30°-60°)	367.3	9.7	B1/1000		
BH	(60°-80°)	202.8	5.3	B1/500		G1/500
BVH	(80°-90°)	8.6	0.2			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 II Short



REPORT NUMBER: P691225

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-U0-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1
2.5°	807.0	807.0	805.6	795.6	791.3	785.6	781.3	777.0	775.5	771.2	764.1
5°	854.2	852.8	852.8	844.2	835.6	824.2	812.7	801.3	799.9	788.4	772.7
7.5°	881.4	881.4	878.6	872.8	867.1	860.0	842.8	818.5	817.0	801.3	779.8
10°	888.6	890.0	895.7	881.4	877.1	870.0	861.4	835.6	831.3	808.4	774.1
12.5°	914.3	914.3	912.9	900.0	895.7	890.0	875.7	855.7	851.4	822.8	775.5
15°	945.8	947.2	942.9	931.5	925.8	918.6	900.0	878.6	877.1	839.9	787.0
17.5°	961.5	961.5	964.4	948.7	950.1	947.2	938.7	908.6	907.2	872.8	807.0
20°	967.3	968.7	970.1	970.1	971.6	968.7	977.3	951.5	947.2	908.6	834.2
22.5°	993.0	995.9	1003.0	998.8	1005.9	1010.2	1013.1	1014.5	1008.8	968.7	880.0
25°	1004.5	1011.6	1021.6	1037.4	1048.8	1057.4	1078.9	1088.9	1087.5	1053.1	955.8
27.5°	987.3	995.9	1030.2	1057.4	1097.5	1120.4	1160.4	1173.3	1177.6	1146.1	1037.4
30°	1010.2	1013.1	1028.8	1063.1	1113.2	1181.9	1236.3	1264.9	1264.9	1240.6	1117.5
32.5°	974.4	983.0	1028.8	1091.8	1169.0	1243.4	1294.9	1356.5	1356.5	1345.0	1232.0
35°	970.1	974.4	1001.6	1071.7	1170.5	1306.4	1375.1	1448.0	1458.1	1459.5	1345.0
37.5°	930.1	938.7	987.3	1077.5	1213.4	1345.0	1440.9	1553.9	1565.4	1581.1	1439.5
40°	885.7	888.6	931.5	1025.9	1203.4	1395.1	1503.9	1672.7	1685.6	1707.0	1565.4
42.5°	819.9	831.3	902.9	1005.9	1199.1	1410.8	1574.0	1784.3	1798.6	1828.7	1669.8
45°	761.2	765.5	818.5	932.9	1151.9	1433.7	1628.3	1915.9	1924.5	1943.1	1757.1
47.5°	714.0	716.9	769.8	868.5	1107.5	1428.0	1681.3	2034.7	2054.7	2083.4	1860.1
50°	572.4	588.1	719.7	815.6	1030.2	1418.0	1722.8	2183.5	2213.6	2225.0	1978.9
52.5°	487.9	490.8	559.5	762.7	950.1	1375.1	1762.8	2335.2	2369.5	2338.1	2122.0
55°	452.2	455.0	486.5	656.8	882.9	1292.1	1792.9	2481.1	2505.5	2428.2	2229.3
57.5°	429.3	435.0	449.3	533.7	802.7	1153.3	1798.6	2561.3	2571.3	2499.7	2283.7
60°	397.8	397.8	426.4	466.5	715.4	1004.5	1751.4	2601.3	2650.0	2581.3	2383.8
62.5°	370.6	373.5	392.1	422.1	629.6	878.6	1612.6	2715.8	2740.1	2658.6	2419.6
65°	339.1	342.0	359.2	389.2	572.4	808.4	1538.2	2670.0	2598.5	2638.5	2464.0
67.5°	303.3	304.8	321.9	349.1	480.8	745.5	1359.3	2495.5	2436.8	2544.1	2340.9
70°	267.6	267.6	281.9	303.3	392.1	653.9	1123.2	2336.6	2381.0	2386.7	2219.3
72.5°	223.2	224.6	239.0	257.6	314.8	546.6	888.6	2177.8	2197.8	2122.0	1951.7
75°	160.3	166.0	181.7	200.3	249.0	433.6	631.0	1770.0	1874.5	2009.0	1677.0
77.5°	24.3	24.3	30.0	45.8	81.6	217.5	291.9	977.3	1084.6	1681.3	1465.2
80°	20.0	20.0	21.5	30.0	47.2	121.6	94.4	306.2	329.1	772.7	825.6
82.5°	10.0	10.0	15.7	21.5	28.6	35.8	40.1	147.4	170.3	263.3	329.1
85°	5.7	5.7	7.2	10.0	11.4	11.4	12.9	70.1	73.0	143.1	148.8
87.5°	1.4	1.4	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4
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: P691225

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1
2.5°	761.2	756.9	748.3	741.2	736.9	728.3	721.2	715.4	712.6	719.7	721.2
5°	762.7	752.6	736.9	726.9	715.4	701.1	684.0	673.9	669.7	671.1	675.4
7.5°	765.5	751.2	732.6	711.1	681.1	652.5	632.4	621.0	615.3	622.4	622.4
10°	756.9	741.2	715.4	682.5	643.9	615.3	592.4	572.4	565.2	568.1	569.5
12.5°	756.9	735.5	692.5	652.5	616.7	569.5	535.1	516.5	509.4	510.8	513.7
15°	761.2	732.6	672.5	623.9	570.9	520.8	490.8	467.9	460.7	453.6	456.5
17.5°	775.5	728.3	662.5	585.2	526.6	479.3	437.8	412.1	406.4	406.4	407.8
20°	789.8	734.0	645.3	556.6	486.5	427.8	384.9	366.3	353.4	347.7	353.4
22.5°	819.9	754.1	633.9	538.0	445.0	389.2	349.1	307.6	284.7	274.7	277.6
25°	874.3	789.8	642.5	505.1	422.1	353.4	297.6	247.5	216.1	206.0	208.9
27.5°	958.7	848.5	652.5	502.2	380.6	317.7	241.8	187.4	163.1	153.1	156.0
30°	1041.7	928.6	685.4	473.6	364.9	260.4	183.2	144.5	120.2	110.2	113.0
32.5°	1113.2	1005.9	726.9	466.5	323.4	196.0	137.4	107.3	88.7	80.1	81.6
35°	1219.1	1071.7	762.7	445.0	274.7	147.4	100.2	77.3	67.3	64.4	64.4
37.5°	1313.5	1149.0	797.0	437.8	206.0	110.2	71.5	63.0	61.5	57.2	57.2
40°	1412.3	1230.6	812.7	412.1	150.2	77.3	58.7	58.7	57.2	52.9	52.9
42.5°	1528.2	1313.5	827.0	382.0	107.3	58.7	54.4	55.8	54.4	50.1	48.6
45°	1611.2	1365.1	831.3	306.2	74.4	55.8	51.5	52.9	51.5	48.6	47.2
47.5°	1687.0	1439.5	812.7	214.6	60.1	52.9	50.1	50.1	50.1	45.8	44.4
50°	1765.7	1501.0	797.0	115.9	58.7	51.5	47.2	45.8	47.2	44.4	42.9
52.5°	1870.2	1548.2	755.5	78.7	57.2	50.1	45.8	42.9	44.4	41.5	42.9
55°	2009.0	1672.7	679.7	74.4	57.2	48.6	44.4	40.1	40.1	38.6	38.6
57.5°	2071.9	1719.9	558.0	71.5	55.8	48.6	41.5	37.2	34.3	32.9	31.5
60°	2149.2	1788.6	430.7	65.8	51.5	45.8	37.2	32.9	28.6	27.2	27.2
62.5°	2189.2	1804.3	340.5	58.7	47.2	40.1	32.9	27.2	22.9	20.0	20.0
65°	2212.1	1795.8	237.5	52.9	41.5	35.8	28.6	22.9	17.2	15.7	14.3
67.5°	2134.9	1744.2	138.8	45.8	35.8	31.5	24.3	18.6	14.3	12.9	11.4
70°	1980.3	1586.8	87.3	40.1	31.5	27.2	21.5	15.7	11.4	10.0	10.0
72.5°	1814.4	1279.2	60.1	31.5	24.3	21.5	15.7	12.9	10.0	7.2	7.2
75°	1632.6	1110.4	44.4	22.9	17.2	15.7	12.9	10.0	8.6	5.7	5.7
77.5°	1157.6	735.5	35.8	17.2	11.4	10.0	8.6	7.2	5.7	5.7	4.3
80°	684.0	359.2	27.2	11.4	8.6	7.2	5.7	5.7	4.3	4.3	4.3
82.5°	256.1	137.4	18.6	8.6	5.7	5.7	4.3	4.3	2.9	2.9	2.9
85°	93.0	34.3	8.6	4.3	4.3	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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)