

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: P691209

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691209
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-T2-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 4323 lumens
Efficiency: N/A
Efficacy: 132.2 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

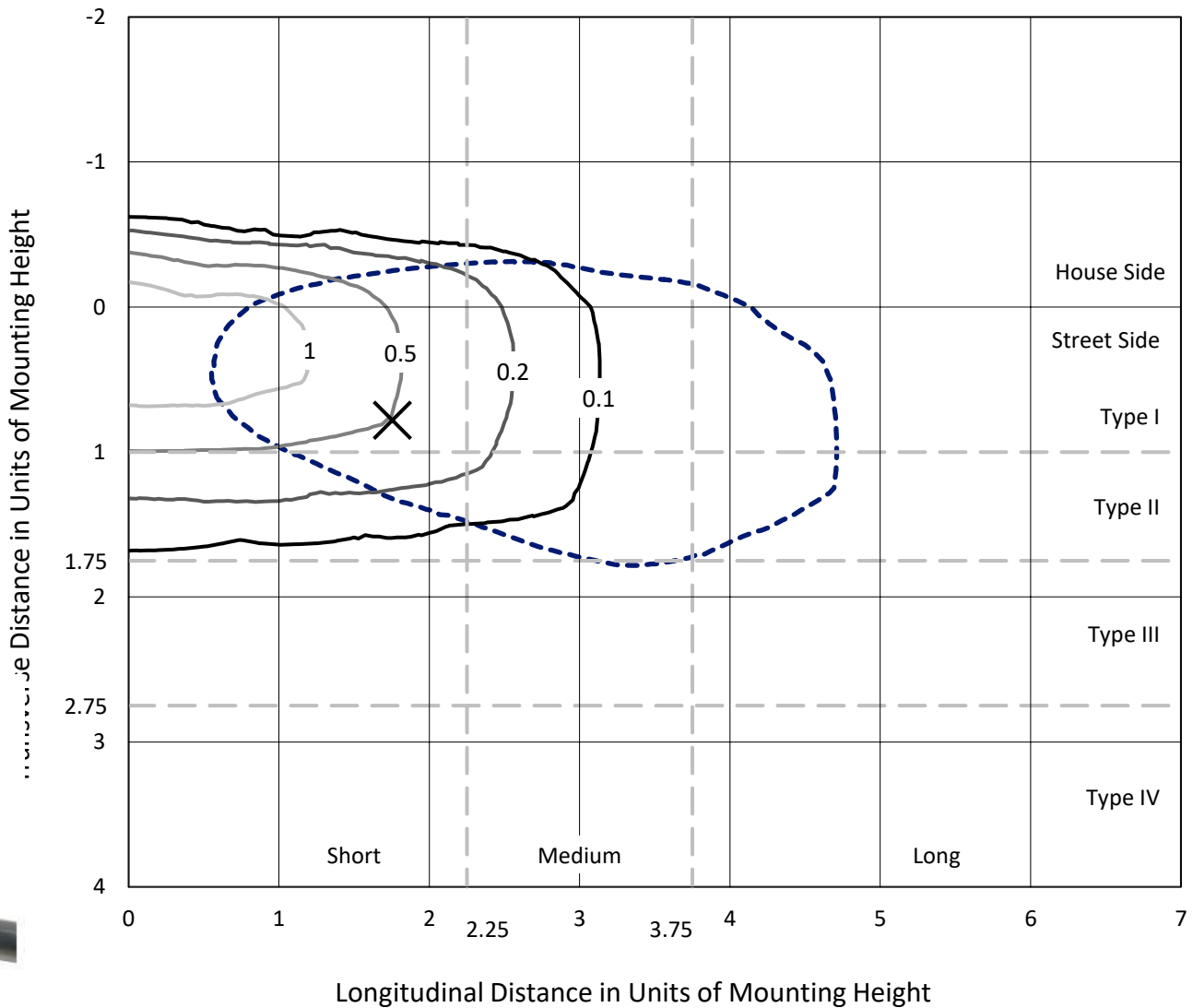


REPORT NUMBER: P691209

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

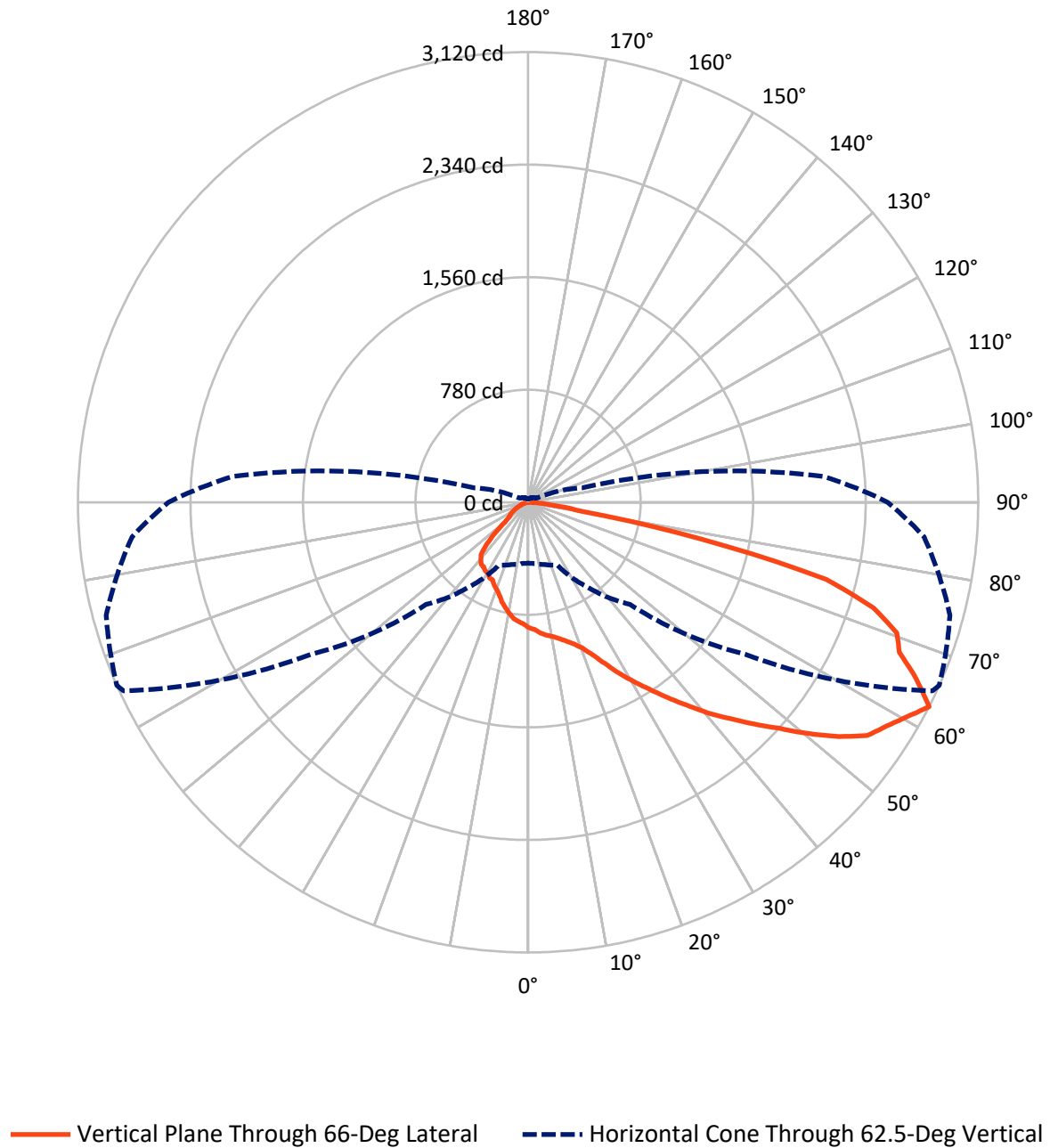


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

REPORT NUMBER: P691209

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691209

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-U0-HSS-CRTK2

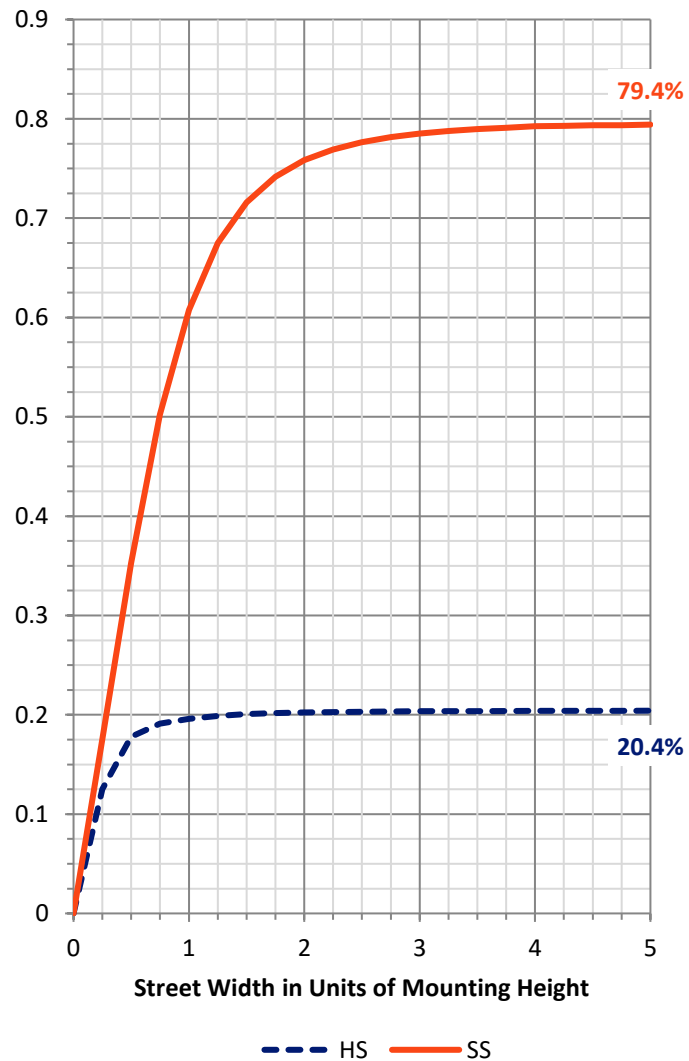
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	893.0	0.0	893.0
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	3430.0	0.0	3430.0
	% Fixture	79.3	0.0	79.3
Total	Lumens	4323.0	0.0	4323.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	1.9
10°-20°	234.0	5.4
20°-30°	383.9	8.9
30°-40°	564.9	13.1
40°-50°	745.0	17.2
50°-60°	867.2	20.1
60°-70°	861.8	19.9
70°-80°	533.1	12.3
80°-90°	51.0	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°	4323.0	100.0
0°-180°	4323.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691209

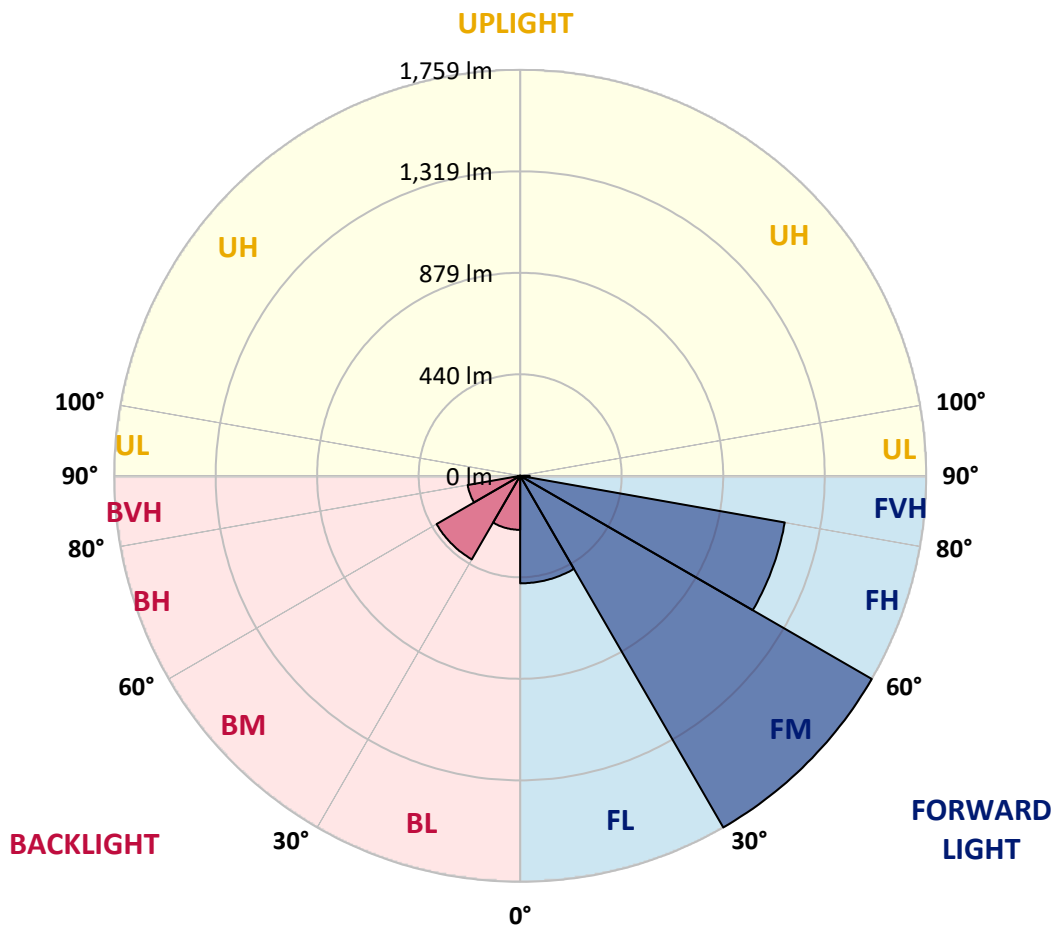
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	465.8	10.8			
FM	(30°-60°)	1759.0	40.7			
FH	(60°-80°)	1164.0	26.9			G1/1800
FVH	(80°-90°)	41.2	1.0			G1/100
BL	(0°-30°)	234.2	5.4	B1/500		
BM	(30°-60°)	418.2	9.7	B1/1000		
BH	(60°-80°)	230.9	5.3	B1/500		G1/500
BVH	(80°-90°)	9.8	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: P691209

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-U0-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	869.9	869.9	869.9	869.9	869.9	869.9	869.9	869.9	869.9	869.9	869.9
2.5°	918.8	918.8	917.2	905.8	900.9	894.4	889.5	884.6	883.0	878.1	869.9
5°	972.6	970.9	970.9	961.2	951.4	938.4	925.3	912.3	910.7	897.6	879.7
7.5°	1003.5	1003.5	1000.3	993.7	987.2	979.1	959.5	931.8	930.2	912.3	887.9
10°	1011.7	1013.3	1019.8	1003.5	998.6	990.5	980.7	951.4	946.5	920.4	881.3
12.5°	1041.0	1041.0	1039.4	1024.7	1019.8	1013.3	997.0	974.2	969.3	936.7	883.0
15°	1076.8	1078.5	1073.6	1060.5	1054.0	1045.9	1024.7	1000.3	998.6	956.3	896.0
17.5°	1094.8	1094.8	1098.0	1080.1	1081.7	1078.5	1068.7	1034.5	1032.8	993.7	918.8
20°	1101.3	1102.9	1104.5	1104.5	1106.2	1102.9	1112.7	1083.4	1078.5	1034.5	949.8
22.5°	1130.6	1133.9	1142.0	1137.1	1145.3	1150.1	1153.4	1155.0	1148.5	1102.9	1001.9
25°	1143.6	1151.8	1163.2	1181.1	1194.1	1203.9	1228.3	1239.7	1238.1	1199.0	1088.2
27.5°	1124.1	1133.9	1173.0	1203.9	1249.5	1275.6	1321.2	1335.9	1340.7	1304.9	1181.1
30°	1150.1	1153.4	1171.3	1210.4	1267.4	1345.6	1407.5	1440.1	1440.1	1412.4	1272.3
32.5°	1109.4	1119.2	1171.3	1243.0	1331.0	1415.7	1474.3	1544.4	1544.4	1531.4	1402.7
35°	1104.5	1109.4	1140.4	1220.2	1332.6	1487.4	1565.6	1648.6	1660.1	1661.7	1531.4
37.5°	1058.9	1068.7	1124.1	1226.7	1381.5	1531.4	1640.5	1769.2	1782.2	1800.2	1638.9
40°	1008.4	1011.7	1060.5	1168.1	1370.1	1588.4	1712.2	1904.4	1919.1	1943.5	1782.2
42.5°	933.5	946.5	1028.0	1145.3	1365.2	1606.3	1792.0	2031.5	2047.8	2082.0	1901.2
45°	866.7	871.6	931.8	1062.2	1311.4	1632.4	1853.9	2181.4	2191.1	2212.3	2000.5
47.5°	812.9	816.2	876.5	988.9	1260.9	1625.8	1914.2	2316.6	2339.4	2372.0	2117.8
50°	651.6	669.6	819.4	928.6	1173.0	1614.4	1961.4	2486.0	2520.2	2533.2	2253.0
52.5°	555.5	558.8	637.0	868.3	1081.7	1565.6	2007.0	2658.7	2697.8	2661.9	2416.0
55°	514.8	518.1	553.9	747.8	1005.2	1471.1	2041.3	2824.9	2852.6	2764.6	2538.1
57.5°	488.7	495.2	511.5	607.7	913.9	1313.1	2047.8	2916.1	2927.5	2846.0	2600.0
60°	452.9	452.9	485.5	531.1	814.5	1143.6	1994.0	2961.7	3017.1	2938.9	2714.1
62.5°	421.9	425.2	446.4	480.6	716.8	1000.3	1836.0	3092.0	3119.7	3026.9	2754.8
65°	386.1	389.4	408.9	443.1	651.6	920.4	1751.3	3039.9	2958.4	3004.1	2805.3
67.5°	345.4	347.0	366.5	397.5	547.4	848.8	1547.6	2841.1	2774.4	2896.5	2665.2
70°	304.6	304.6	320.9	345.4	446.4	744.5	1278.8	2660.3	2710.8	2717.3	2526.7
72.5°	254.1	255.8	272.1	293.2	358.4	622.3	1011.7	2479.5	2502.3	2416.0	2222.1
75°	182.5	189.0	206.9	228.1	283.5	493.6	718.4	2015.2	2134.1	2287.3	1909.3
77.5°	27.7	27.7	34.2	52.1	92.9	247.6	332.3	1112.7	1234.9	1914.2	1668.2
80°	22.8	22.8	24.4	34.2	53.8	138.5	107.5	348.6	374.7	879.7	940.0
82.5°	11.4	11.4	17.9	24.4	32.6	40.7	45.6	167.8	193.9	299.8	374.7
85°	6.5	6.5	8.1	11.4	13.0	13.0	14.7	79.8	83.1	162.9	169.4
87.5°	1.6	1.6	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6
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: P691209

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	869.9	869.9	869.9	869.9	869.9	869.9	869.9	869.9	869.9	869.9	869.9
2.5°	866.7	861.8	852.0	843.9	839.0	829.2	821.1	814.5	811.3	819.4	821.1
5°	868.3	856.9	839.0	827.6	814.5	798.3	778.7	767.3	762.4	764.0	768.9
7.5°	871.6	855.3	834.1	809.7	775.5	742.9	720.1	707.0	700.5	708.7	708.7
10°	861.8	843.9	814.5	777.1	733.1	700.5	674.4	651.6	643.5	646.8	648.4
12.5°	861.8	837.4	788.5	742.9	702.1	648.4	609.3	588.1	580.0	581.6	584.8
15°	866.7	834.1	765.7	710.3	650.0	593.0	558.8	532.7	524.6	516.4	519.7
17.5°	883.0	829.2	754.3	666.3	599.5	545.7	498.5	469.2	462.7	462.7	464.3
20°	899.3	835.7	734.7	633.7	553.9	487.1	438.2	417.0	402.4	395.9	402.4
22.5°	933.5	858.5	721.7	612.5	506.6	443.1	397.5	350.3	324.2	312.8	316.0
25°	995.4	899.3	731.5	575.1	480.6	402.4	338.9	281.8	246.0	234.6	237.8
27.5°	1091.5	966.1	742.9	571.8	433.3	361.7	275.3	213.4	185.7	174.3	177.6
30°	1186.0	1057.3	780.3	539.2	415.4	296.5	208.5	164.5	136.8	125.4	128.7
32.5°	1267.4	1145.3	827.6	531.1	368.2	223.2	156.4	122.2	101.0	91.2	92.9
35°	1388.0	1220.2	868.3	506.6	312.8	167.8	114.0	88.0	76.6	73.3	73.3
37.5°	1495.5	1308.2	907.4	498.5	234.6	125.4	81.5	71.7	70.1	65.2	65.2
40°	1607.9	1401.0	925.3	469.2	171.1	88.0	66.8	66.8	65.2	60.3	60.3
42.5°	1739.9	1495.5	941.6	435.0	122.2	66.8	61.9	63.5	61.9	57.0	55.4
45°	1834.4	1554.2	946.5	348.6	84.7	63.5	58.6	60.3	58.6	55.4	53.8
47.5°	1920.7	1638.9	925.3	244.4	68.4	60.3	57.0	57.0	57.0	52.1	50.5
50°	2010.3	1708.9	907.4	132.0	66.8	58.6	53.8	52.1	53.8	50.5	48.9
52.5°	2129.2	1762.7	860.2	89.6	65.2	57.0	52.1	48.9	50.5	47.2	48.9
55°	2287.3	1904.4	773.8	84.7	65.2	55.4	50.5	45.6	45.6	44.0	44.0
57.5°	2358.9	1958.2	635.3	81.5	63.5	55.4	47.2	42.4	39.1	37.5	35.8
60°	2446.9	2036.4	490.4	74.9	58.6	52.1	42.4	37.5	32.6	31.0	31.0
62.5°	2492.5	2054.3	387.7	66.8	53.8	45.6	37.5	31.0	26.1	22.8	22.8
65°	2518.6	2044.5	270.4	60.3	47.2	40.7	32.6	26.1	19.5	17.9	16.3
67.5°	2430.6	1985.9	158.0	52.1	40.7	35.8	27.7	21.2	16.3	14.7	13.0
70°	2254.7	1806.7	99.4	45.6	35.8	31.0	24.4	17.9	13.0	11.4	11.4
72.5°	2065.7	1456.4	68.4	35.8	27.7	24.4	17.9	14.7	11.4	8.1	8.1
75°	1858.8	1264.2	50.5	26.1	19.5	17.9	14.7	11.4	9.8	6.5	6.5
77.5°	1317.9	837.4	40.7	19.5	13.0	11.4	9.8	8.1	6.5	6.5	4.9
80°	778.7	408.9	31.0	13.0	9.8	8.1	6.5	6.5	4.9	4.9	4.9
82.5°	291.6	156.4	21.2	9.8	6.5	6.5	4.9	4.9	3.3	3.3	3.3
85°	105.9	39.1	9.8	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)