

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: P691777

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691777
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-C01H-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: 7793 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 74.9
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



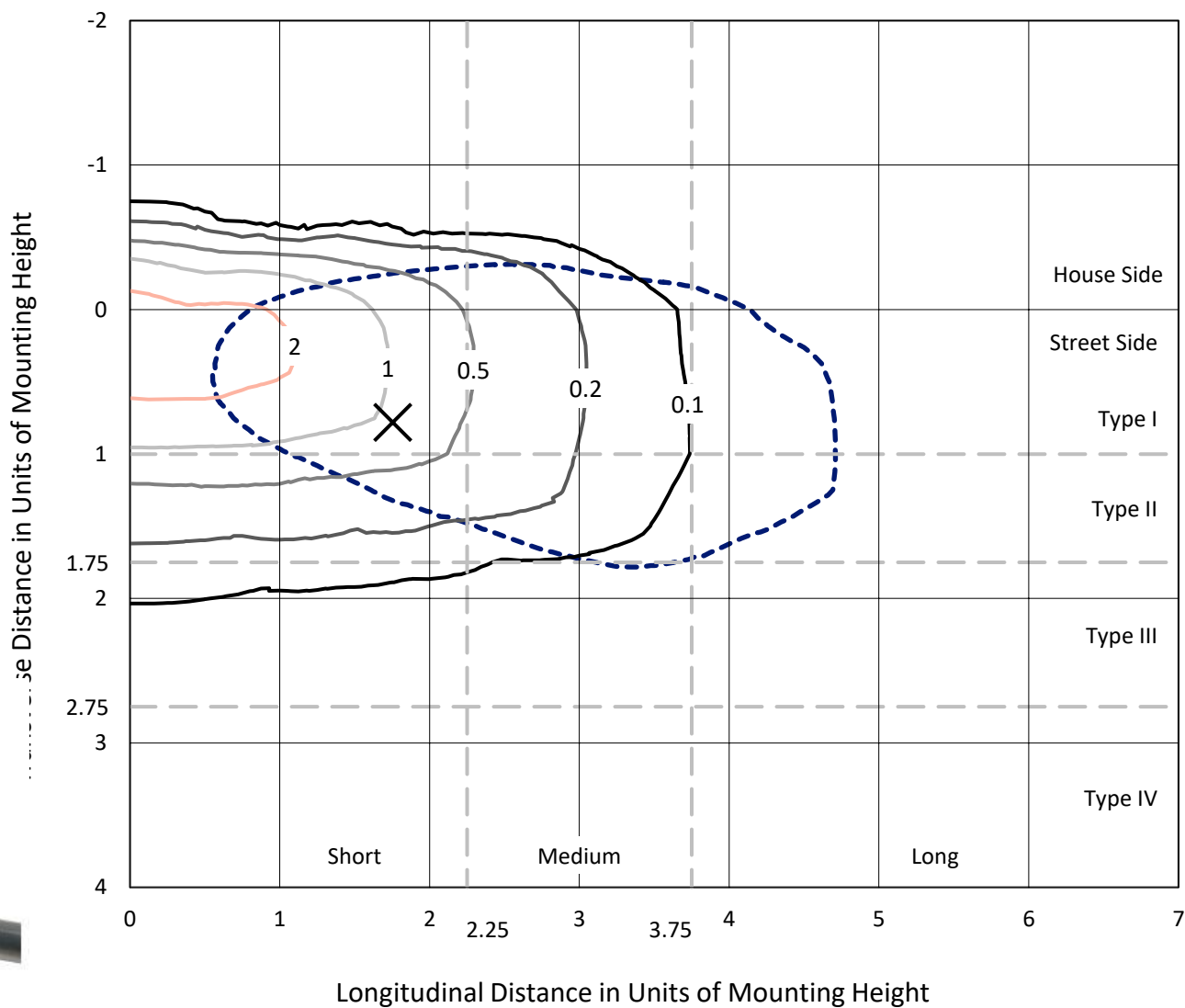
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

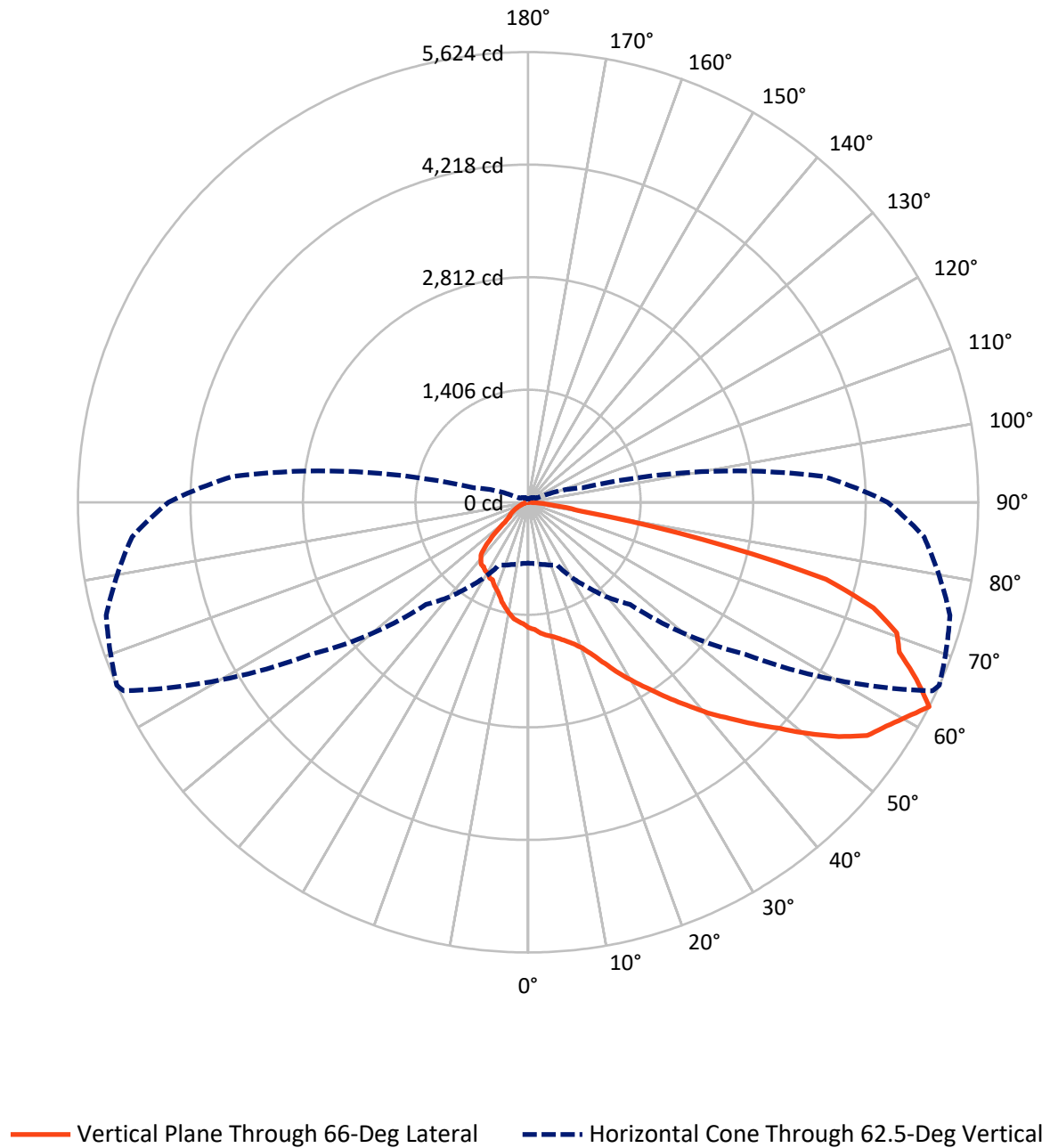


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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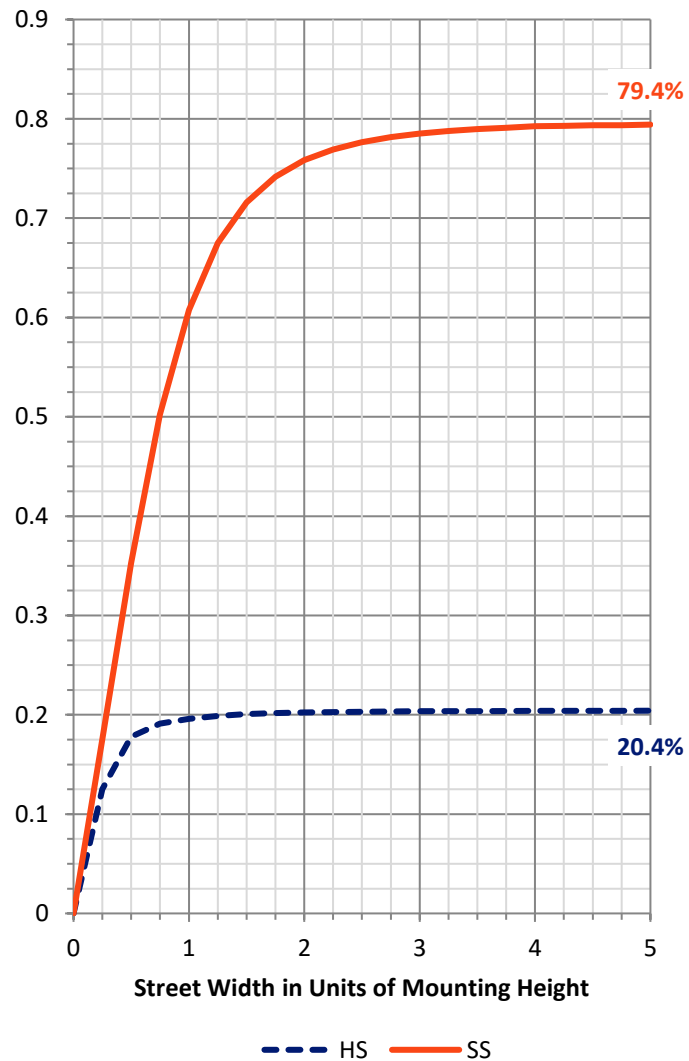
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1609.8	0.0	1609.8
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	6183.1	0.0	6183.1
	% Fixture	79.3	0.0	79.3
Total	Lumens	7793.0	0.0	7793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	1.9
10°-20°	421.8	5.4
20°-30°	692.0	8.9
30°-40°	1018.3	13.1
40°-50°	1343.0	17.2
50°-60°	1563.4	20.1
60°-70°	1553.5	19.9
70°-80°	961.0	12.3
80°-90°	91.9	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°	7793.0	100.0
0°-180°	7793.0	100.0

Coefficient of Utilization



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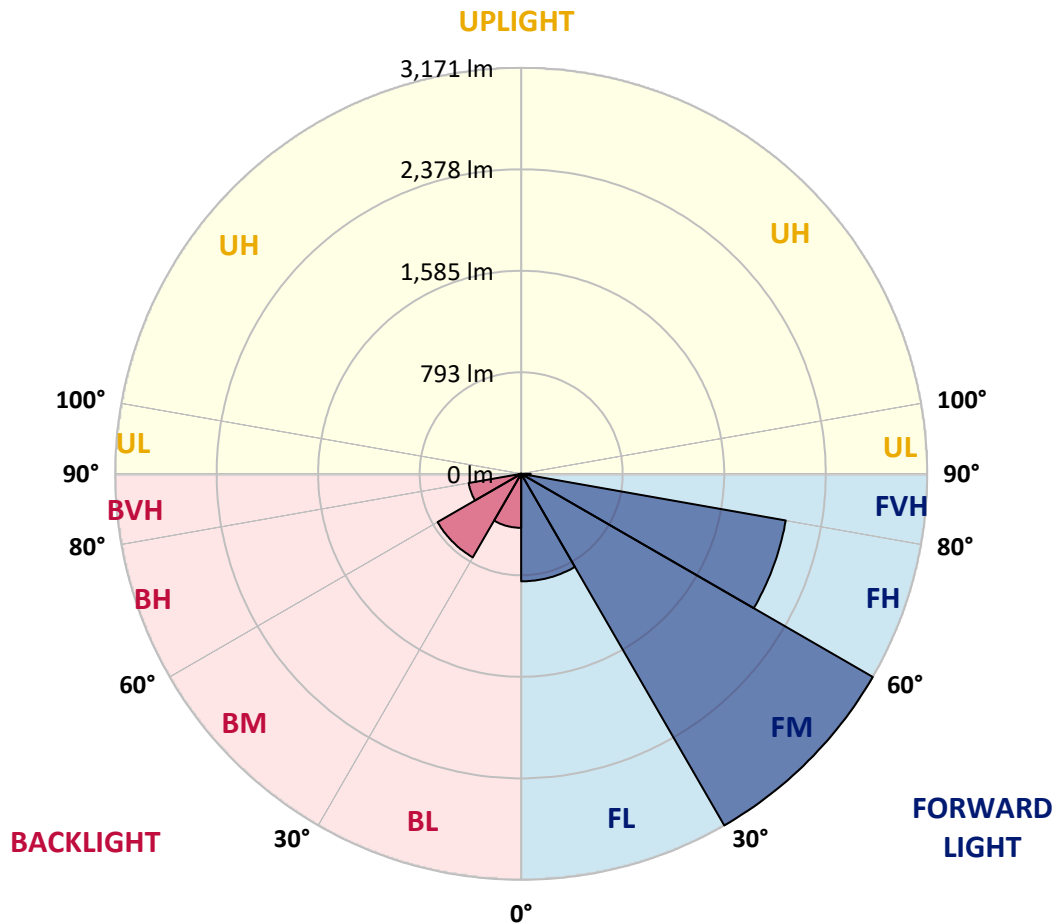
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	839.7	10.8			
FM	(30°-60°)	3170.9	40.7			
FH	(60°-80°)	2098.3	26.9			G2/5000
FVH	(80°-90°)	74.2	1.0			G1/100
BL	(0°-30°)	422.2	5.4	B1/500		
BM	(30°-60°)	753.8	9.7	B1/1000		
BH	(60°-80°)	416.2	5.3	B1/500		G1/500
BVH	(80°-90°)	17.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2
2.5°	1656.3	1656.3	1653.4	1632.8	1624.0	1612.3	1603.5	1594.7	1591.7	1582.9	1568.2
5°	1753.2	1750.3	1750.3	1732.7	1715.1	1691.6	1668.1	1644.6	1641.6	1618.1	1585.8
7.5°	1809.0	1809.0	1803.2	1791.4	1779.7	1765.0	1729.7	1679.8	1676.9	1644.6	1600.5
10°	1823.7	1826.7	1838.4	1809.0	1800.2	1785.5	1767.9	1715.1	1706.3	1659.3	1588.8
12.5°	1876.6	1876.6	1873.6	1847.2	1838.4	1826.7	1797.3	1756.2	1747.4	1688.6	1591.7
15°	1941.2	1944.1	1935.3	1911.8	1900.1	1885.4	1847.2	1803.2	1800.2	1723.9	1615.2
17.5°	1973.5	1973.5	1979.4	1947.1	1950.0	1944.1	1926.5	1864.8	1861.9	1791.4	1656.3
20°	1985.2	1988.2	1991.1	1991.1	1994.1	1988.2	2005.8	1952.9	1944.1	1864.8	1712.1
22.5°	2038.1	2044.0	2058.7	2049.8	2064.5	2073.3	2079.2	2082.2	2070.4	1988.2	1806.1
25°	2061.6	2076.3	2096.8	2129.1	2152.6	2170.3	2214.3	2234.9	2231.9	2161.4	1961.7
27.5°	2026.4	2044.0	2114.5	2170.3	2252.5	2299.5	2381.7	2408.1	2416.9	2352.3	2129.1
30°	2073.3	2079.2	2111.5	2182.0	2284.8	2425.8	2537.4	2596.1	2596.1	2546.2	2293.6
32.5°	1999.9	2017.5	2111.5	2240.7	2399.3	2552.0	2657.8	2784.0	2784.0	2760.5	2528.5
35°	1991.1	1999.9	2055.7	2199.6	2402.3	2681.3	2822.2	2972.0	2992.5	2995.5	2760.5
37.5°	1908.9	1926.5	2026.4	2211.4	2490.4	2760.5	2957.3	3189.3	3212.8	3245.1	2954.4
40°	1817.8	1823.7	1911.8	2105.6	2469.8	2863.3	3086.5	3433.1	3459.5	3503.5	3212.8
42.5°	1682.8	1706.3	1853.1	2064.5	2461.0	2895.6	3230.4	3662.1	3691.5	3753.2	3427.2
45°	1562.3	1571.2	1679.8	1914.8	2364.1	2942.6	3342.0	3932.3	3949.9	3988.1	3606.3
47.5°	1465.4	1471.3	1580.0	1782.6	2273.0	2930.9	3450.7	4176.1	4217.2	4275.9	3817.8
50°	1174.7	1207.0	1477.2	1673.9	2114.5	2910.3	3535.8	4481.5	4543.1	4566.6	4061.5
52.5°	1001.4	1007.3	1148.3	1565.3	1950.0	2822.2	3618.1	4792.8	4863.3	4798.6	4355.2
55°	928.0	933.9	998.5	1348.0	1812.0	2651.9	3679.7	5092.3	5142.2	4983.7	4575.5
57.5°	881.0	892.8	922.1	1095.4	1647.5	2367.0	3691.5	5256.8	5277.3	5130.5	4687.0
60°	816.4	816.4	875.2	957.4	1468.4	2061.6	3594.6	5339.0	5438.9	5297.9	4892.6
62.5°	760.6	766.5	804.7	866.3	1292.2	1803.2	3309.7	5573.9	5623.9	5456.5	4966.0
65°	696.0	701.9	737.1	798.8	1174.7	1659.3	3157.0	5480.0	5333.1	5415.4	5057.1
67.5°	622.6	625.5	660.8	716.6	986.7	1530.0	2789.9	5121.7	5001.3	5221.5	4804.5
70°	549.2	549.2	578.5	622.6	804.7	1342.1	2305.3	4795.7	4886.7	4898.5	4554.9
72.5°	458.1	461.1	490.4	528.6	646.1	1121.8	1823.7	4469.7	4510.8	4355.2	4005.7
75°	328.9	340.7	373.0	411.1	511.0	889.8	1295.1	3632.8	3847.1	4123.2	3441.9
77.5°	49.9	49.9	61.7	94.0	167.4	446.4	599.1	2005.8	2226.1	3450.7	3007.2
80°	41.1	41.1	44.1	61.7	96.9	249.6	193.8	628.5	675.5	1585.8	1694.5
82.5°	20.6	20.6	32.3	44.1	58.7	73.4	82.2	302.5	349.5	540.4	675.5
85°	11.7	11.7	14.7	20.6	23.5	23.5	26.4	143.9	149.8	293.7	305.4
87.5°	2.9	2.9	5.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2	1568.2
2.5°	1562.3	1553.5	1535.9	1521.2	1512.4	1494.8	1480.1	1468.4	1462.5	1477.2	1480.1
5°	1565.3	1544.7	1512.4	1491.9	1468.4	1439.0	1403.8	1383.2	1374.4	1377.3	1386.1
7.5°	1571.2	1541.8	1503.6	1459.6	1397.9	1339.2	1298.0	1274.5	1262.8	1277.5	1277.5
10°	1553.5	1521.2	1468.4	1400.8	1321.5	1262.8	1215.8	1174.7	1160.0	1165.9	1168.8
12.5°	1553.5	1509.5	1421.4	1339.2	1265.7	1168.8	1098.3	1060.2	1045.5	1048.4	1054.3
15°	1562.3	1503.6	1380.3	1280.4	1171.8	1069.0	1007.3	960.3	945.6	930.9	936.8
17.5°	1591.7	1494.8	1359.7	1201.1	1080.7	983.8	898.6	845.8	834.0	834.0	837.0
20°	1621.1	1506.6	1324.5	1142.4	998.5	878.1	790.0	751.8	725.4	713.6	725.4
22.5°	1682.8	1547.7	1301.0	1104.2	913.3	798.8	716.6	631.4	584.4	563.9	569.7
25°	1794.4	1621.1	1318.6	1036.7	866.3	725.4	610.8	508.1	443.4	422.9	428.8
27.5°	1967.6	1741.5	1339.2	1030.8	781.2	652.0	496.3	384.7	334.8	314.2	320.1
30°	2138.0	1905.9	1406.7	972.1	748.9	534.5	375.9	296.6	246.7	226.1	232.0
32.5°	2284.8	2064.5	1491.9	957.4	663.7	402.3	281.9	220.3	182.1	164.5	167.4
35°	2502.1	2199.6	1565.3	913.3	563.9	302.5	205.6	158.6	138.0	132.2	132.2
37.5°	2695.9	2358.2	1635.8	898.6	422.9	226.1	146.8	129.2	126.3	117.5	117.5
40°	2898.6	2525.6	1668.1	845.8	308.4	158.6	120.4	120.4	117.5	108.7	108.7
42.5°	3136.4	2695.9	1697.4	784.1	220.3	120.4	111.6	114.5	111.6	102.8	99.8
45°	3306.8	2801.7	1706.3	628.5	152.7	114.5	105.7	108.7	105.7	99.8	96.9
47.5°	3462.4	2954.4	1668.1	440.5	123.3	108.7	102.8	102.8	102.8	94.0	91.0
50°	3623.9	3080.6	1635.8	237.9	120.4	105.7	96.9	94.0	96.9	91.0	88.1
52.5°	3838.3	3177.6	1550.6	161.5	117.5	102.8	94.0	88.1	91.0	85.2	88.1
55°	4123.2	3433.1	1395.0	152.7	117.5	99.8	91.0	82.2	82.2	79.3	79.3
57.5°	4252.4	3530.0	1145.3	146.8	114.5	99.8	85.2	76.4	70.5	67.5	64.6
60°	4411.0	3670.9	884.0	135.1	105.7	94.0	76.4	67.5	58.7	55.8	55.8
62.5°	4493.2	3703.2	698.9	120.4	96.9	82.2	67.5	55.8	47.0	41.1	41.1
65°	4540.2	3685.6	487.5	108.7	85.2	73.4	58.7	47.0	35.2	32.3	29.4
67.5°	4381.6	3579.9	284.9	94.0	73.4	64.6	49.9	38.2	29.4	26.4	23.5
70°	4064.5	3256.9	179.1	82.2	64.6	55.8	44.1	32.3	23.5	20.6	20.6
72.5°	3723.8	2625.5	123.3	64.6	49.9	44.1	32.3	26.4	20.6	14.7	14.7
75°	3350.8	2278.9	91.0	47.0	35.2	32.3	26.4	20.6	17.6	11.7	11.7
77.5°	2375.8	1509.5	73.4	35.2	23.5	20.6	17.6	14.7	11.7	11.7	8.8
80°	1403.8	737.1	55.8	23.5	17.6	14.7	11.7	11.7	8.8	8.8	8.8
82.5°	525.7	281.9	38.2	17.6	11.7	11.7	8.8	8.8	5.9	5.9	5.9
85°	190.9	70.5	17.6	8.8	8.8	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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)