

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: P691585

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691585
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-C018-5TLD-U-T2-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 7082 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

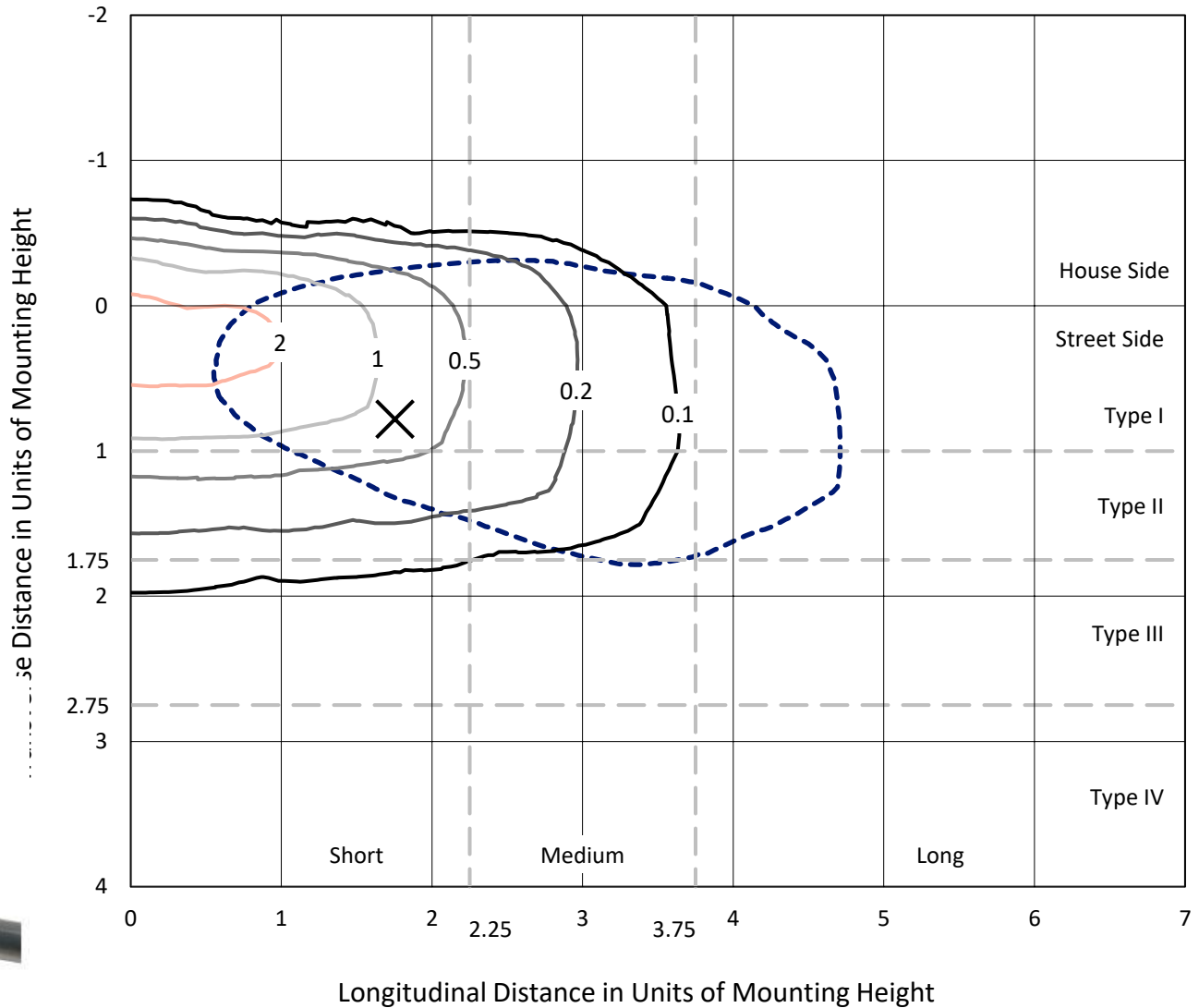
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

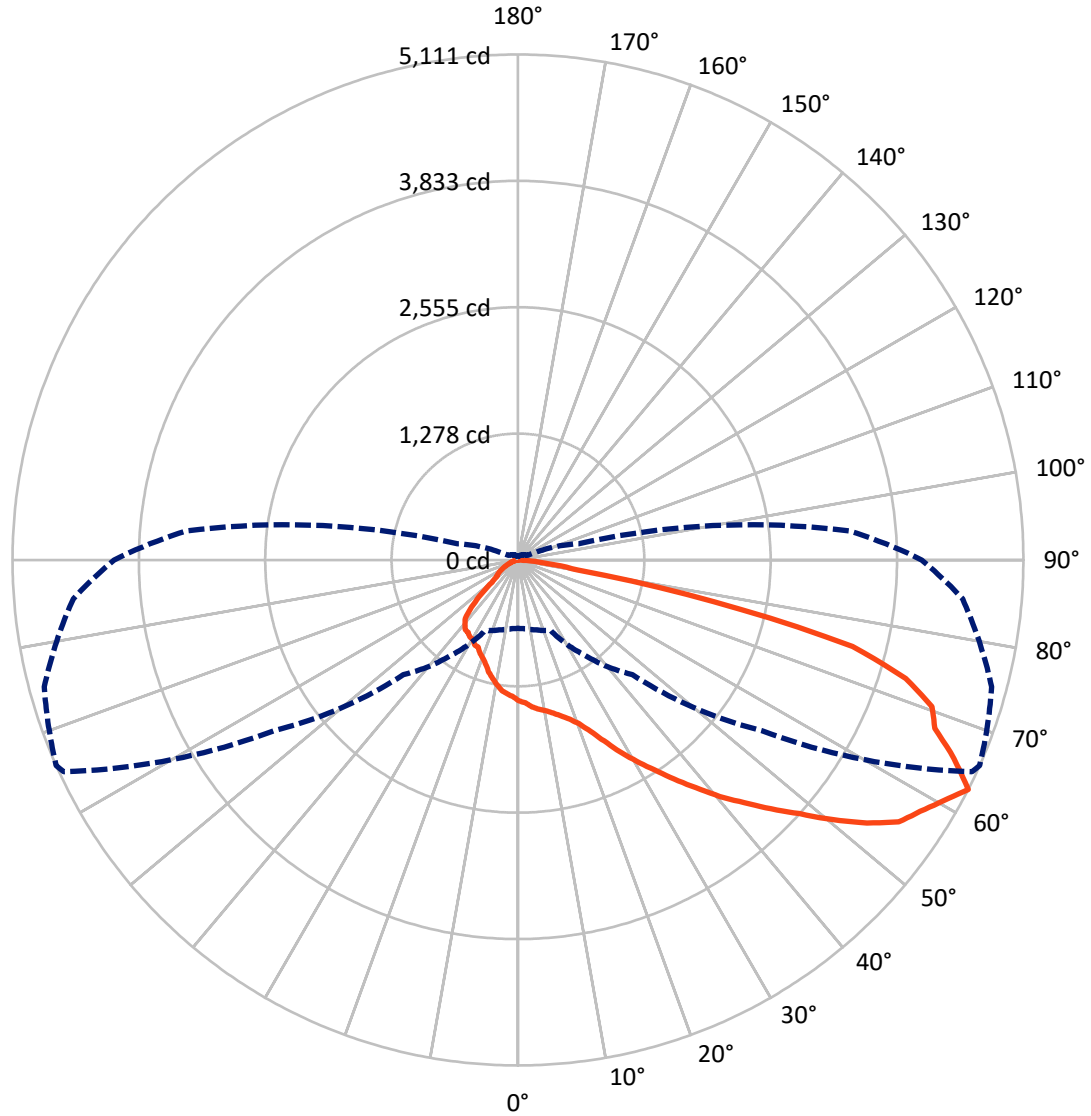
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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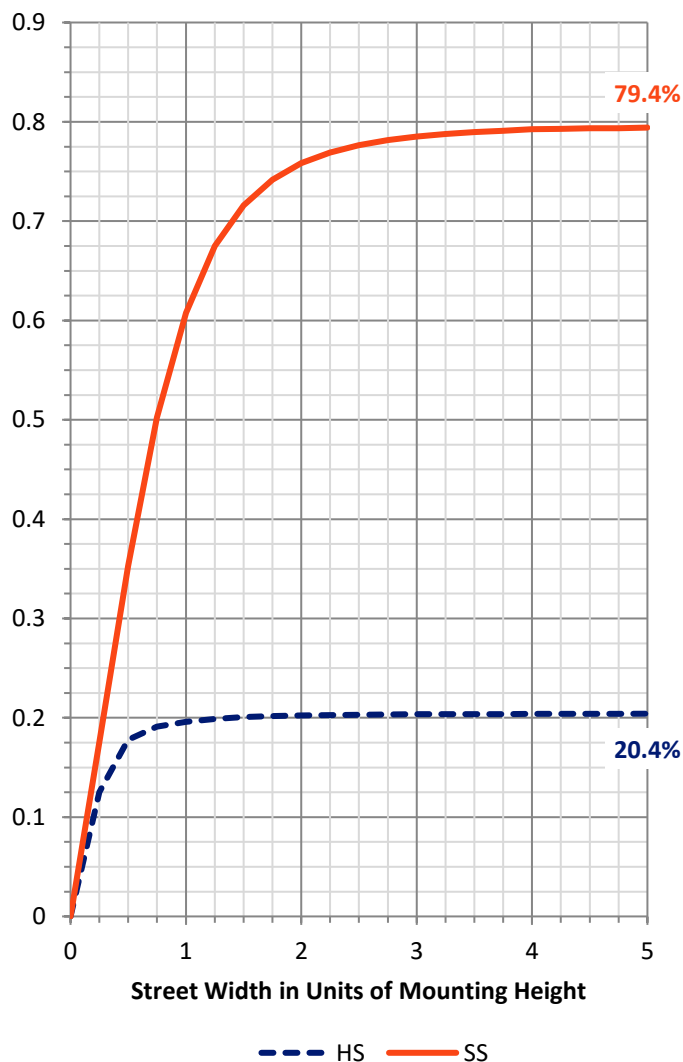
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1463.0	0.0	1463.0
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	5619.0	0.0	5619.0
	% Fixture	79.3	0.0	79.3
Total	Lumens	7082.0	0.0	7082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	1.9
10°-20°	383.3	5.4
20°-30°	628.9	8.9
30°-40°	925.4	13.1
40°-50°	1220.5	17.2
50°-60°	1420.7	20.1
60°-70°	1411.8	19.9
70°-80°	873.3	12.3
80°-90°	83.5	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°	7082.0	100.0
0°-180°	7082.0	100.0

Coefficient of Utilization

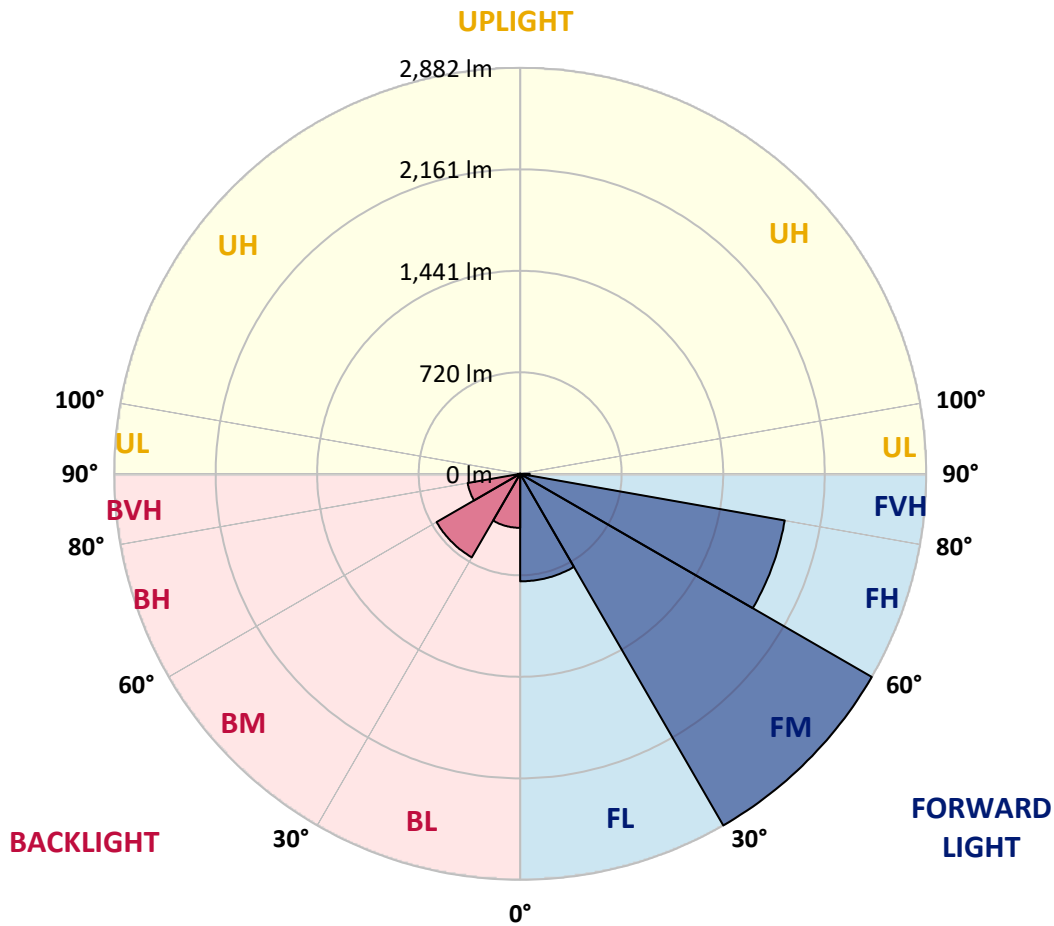


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.1	10.8			
FM (30°-60°)	2881.6	40.7			
FH (60°-80°)	1906.9	26.9			G2/5000
FVH (80°-90°)	67.4	1.0			G1/100
BL (0°-30°)	383.7	5.4	B1/500		
BM (30°-60°)	685.0	9.7	B1/1000		
BH (60°-80°)	378.2	5.3	B1/500		G1/500
BVH (80°-90°)	16.1	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°	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1
2.5°	1505.2	1505.2	1502.5	1483.9	1475.9	1465.2	1457.2	1449.2	1446.5	1438.5	1425.1
5°	1593.3	1590.6	1590.6	1574.6	1558.6	1537.2	1515.9	1494.5	1491.9	1470.5	1441.2
7.5°	1644.0	1644.0	1638.7	1628.0	1617.3	1604.0	1571.9	1526.6	1523.9	1494.5	1454.5
10°	1657.3	1660.0	1670.7	1644.0	1636.0	1622.6	1606.6	1558.6	1550.6	1507.9	1443.8
12.5°	1705.4	1705.4	1702.7	1678.7	1670.7	1660.0	1633.3	1595.9	1587.9	1534.6	1446.5
15°	1764.1	1766.8	1758.7	1737.4	1726.7	1713.4	1678.7	1638.7	1636.0	1566.6	1467.8
17.5°	1793.4	1793.4	1798.8	1769.4	1772.1	1766.8	1750.7	1694.7	1692.0	1628.0	1505.2
20°	1804.1	1806.8	1809.5	1809.5	1812.1	1806.8	1822.8	1774.8	1766.8	1694.7	1555.9
22.5°	1852.2	1857.5	1870.8	1862.8	1876.2	1884.2	1889.5	1892.2	1881.5	1806.8	1641.3
25°	1873.5	1886.8	1905.5	1934.9	1956.2	1972.3	2012.3	2031.0	2028.3	1964.2	1782.8
27.5°	1841.5	1857.5	1921.5	1972.3	2047.0	2089.7	2164.4	2188.4	2196.4	2137.7	1934.9
30°	1884.2	1889.5	1918.9	1982.9	2076.3	2204.4	2305.9	2359.2	2359.2	2313.9	2084.3
32.5°	1817.5	1833.5	1918.9	2036.3	2180.4	2319.2	2415.3	2530.0	2530.0	2508.7	2297.8
35°	1809.5	1817.5	1868.2	1998.9	2183.1	2436.6	2564.7	2700.8	2719.5	2722.2	2508.7
37.5°	1734.7	1750.7	1841.5	2009.6	2263.2	2508.7	2687.5	2898.3	2919.7	2949.0	2684.8
40°	1652.0	1657.3	1737.4	1913.5	2244.5	2602.1	2804.9	3119.8	3143.9	3183.9	2919.7
42.5°	1529.2	1550.6	1684.0	1876.2	2236.5	2631.4	2935.7	3328.0	3354.7	3410.7	3114.5
45°	1419.8	1427.8	1526.6	1740.1	2148.4	2674.1	3037.1	3573.5	3589.6	3624.2	3277.3
47.5°	1331.7	1337.1	1435.8	1620.0	2065.7	2663.5	3135.9	3795.0	3832.4	3885.8	3469.5
50°	1067.5	1096.9	1342.4	1521.2	1921.5	2644.8	3213.2	4072.6	4128.7	4150.0	3691.0
52.5°	910.1	915.4	1043.5	1422.5	1772.1	2564.7	3288.0	4355.5	4419.6	4360.8	3957.8
55°	843.3	848.7	907.4	1225.0	1646.7	2409.9	3344.0	4627.7	4673.1	4529.0	4158.0
57.5°	800.6	811.3	838.0	995.5	1497.2	2151.1	3354.7	4777.2	4795.9	4662.4	4259.4
60°	741.9	741.9	795.3	870.0	1334.4	1873.5	3266.6	4851.9	4942.6	4814.5	4446.2
62.5°	691.2	696.6	731.3	787.3	1174.3	1638.7	3007.8	5065.4	5110.8	4958.7	4513.0
65°	632.5	637.8	669.9	725.9	1067.5	1507.9	2869.0	4980.0	4846.6	4921.3	4595.7
67.5°	565.8	568.5	600.5	651.2	896.7	1390.5	2535.4	4654.4	4545.0	4745.1	4366.2
70°	499.1	499.1	525.8	565.8	731.3	1219.6	2095.0	4358.2	4440.9	4451.6	4139.3
72.5°	416.3	419.0	445.7	480.4	587.1	1019.5	1657.3	4061.9	4099.3	3957.8	3640.3
75°	298.9	309.6	338.9	373.6	464.4	808.6	1176.9	3301.3	3496.1	3747.0	3127.8
77.5°	45.4	45.4	56.0	85.4	152.1	405.7	544.4	1822.8	2023.0	3135.9	2732.9
80°	37.4	37.4	40.0	56.0	88.1	226.8	176.1	571.1	613.8	1441.2	1539.9
82.5°	18.7	18.7	29.4	40.0	53.4	66.7	74.7	274.9	317.6	491.1	613.8
85°	10.7	10.7	13.3	18.7	21.4	21.4	24.0	130.8	136.1	266.9	277.6
87.5°	2.7	2.7	5.3	5.3	5.3	2.7	2.7	2.7	2.7	2.7	2.7
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°	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1	1425.1
2.5°	1419.8	1411.8	1395.8	1382.4	1374.4	1358.4	1345.1	1334.4	1329.1	1342.4	1345.1
5°	1422.5	1403.8	1374.4	1355.8	1334.4	1307.7	1275.7	1257.0	1249.0	1251.7	1259.7
7.5°	1427.8	1401.1	1366.4	1326.4	1270.4	1217.0	1179.6	1158.3	1147.6	1160.9	1160.9
10°	1411.8	1382.4	1334.4	1273.0	1201.0	1147.6	1104.9	1067.5	1054.2	1059.5	1062.2
12.5°	1411.8	1371.8	1291.7	1217.0	1150.3	1062.2	998.1	963.4	950.1	952.8	958.1
15°	1419.8	1366.4	1254.3	1163.6	1064.9	971.4	915.4	872.7	859.4	846.0	851.4
17.5°	1446.5	1358.4	1235.7	1091.5	982.1	894.1	816.7	768.6	757.9	757.9	760.6
20°	1473.2	1369.1	1203.6	1038.2	907.4	798.0	717.9	683.2	659.2	648.5	659.2
22.5°	1529.2	1406.5	1182.3	1003.5	830.0	725.9	651.2	573.8	531.1	512.4	517.7
25°	1630.6	1473.2	1198.3	942.1	787.3	659.2	555.1	461.7	403.0	384.3	389.6
27.5°	1788.1	1582.6	1217.0	936.8	709.9	592.5	451.0	349.6	304.2	285.6	290.9
30°	1942.9	1732.1	1278.4	883.4	680.5	485.7	341.6	269.5	224.2	205.5	210.8
32.5°	2076.3	1876.2	1355.8	870.0	603.2	365.6	256.2	200.2	165.5	149.5	152.1
35°	2273.8	1998.9	1422.5	830.0	512.4	274.9	186.8	144.1	125.4	120.1	120.1
37.5°	2450.0	2143.1	1486.5	816.7	384.3	205.5	133.4	117.4	114.8	106.8	106.8
40°	2634.1	2295.2	1515.9	768.6	280.2	144.1	109.4	109.4	106.8	98.7	98.7
42.5°	2850.3	2450.0	1542.6	712.6	200.2	109.4	101.4	101.4	101.4	93.4	90.7
45°	3005.1	2546.0	1550.6	571.1	138.8	104.1	96.1	98.7	96.1	90.7	88.1
47.5°	3146.5	2684.8	1515.9	400.3	112.1	98.7	93.4	93.4	93.4	85.4	82.7
50°	3293.3	2799.6	1486.5	216.2	109.4	96.1	88.1	85.4	88.1	82.7	80.1
52.5°	3488.1	2887.7	1409.1	146.8	106.8	93.4	85.4	80.1	82.7	77.4	80.1
55°	3747.0	3119.8	1267.7	138.8	106.8	90.7	82.7	74.7	74.7	72.1	72.1
57.5°	3864.4	3207.9	1040.8	133.4	104.1	90.7	77.4	69.4	64.1	61.4	58.7
60°	4008.6	3336.0	803.3	122.8	96.1	85.4	69.4	61.4	53.4	50.7	50.7
62.5°	4083.3	3365.4	635.2	109.4	88.1	74.7	61.4	50.7	42.7	37.4	37.4
65°	4126.0	3349.4	443.0	98.7	77.4	66.7	53.4	42.7	32.0	29.4	26.7
67.5°	3981.9	3253.3	258.9	85.4	66.7	58.7	45.4	34.7	26.7	24.0	21.4
70°	3693.6	2959.7	162.8	74.7	58.7	50.7	40.0	29.4	21.4	18.7	18.7
72.5°	3384.1	2385.9	112.1	58.7	45.4	40.0	29.4	24.0	18.7	13.3	13.3
75°	3045.1	2071.0	82.7	42.7	32.0	29.4	24.0	18.7	16.0	10.7	10.7
77.5°	2159.1	1371.8	66.7	32.0	21.4	18.7	16.0	13.3	10.7	10.7	8.0
80°	1275.7	669.9	50.7	21.4	16.0	13.3	10.7	10.7	8.0	8.0	8.0
82.5°	477.7	256.2	34.7	16.0	10.7	10.7	8.0	8.0	5.3	5.3	5.3
85°	173.5	64.1	16.0	8.0	8.0	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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)