

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: P691801

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691801
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-C01H-5TLD-U-T3-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 9232 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

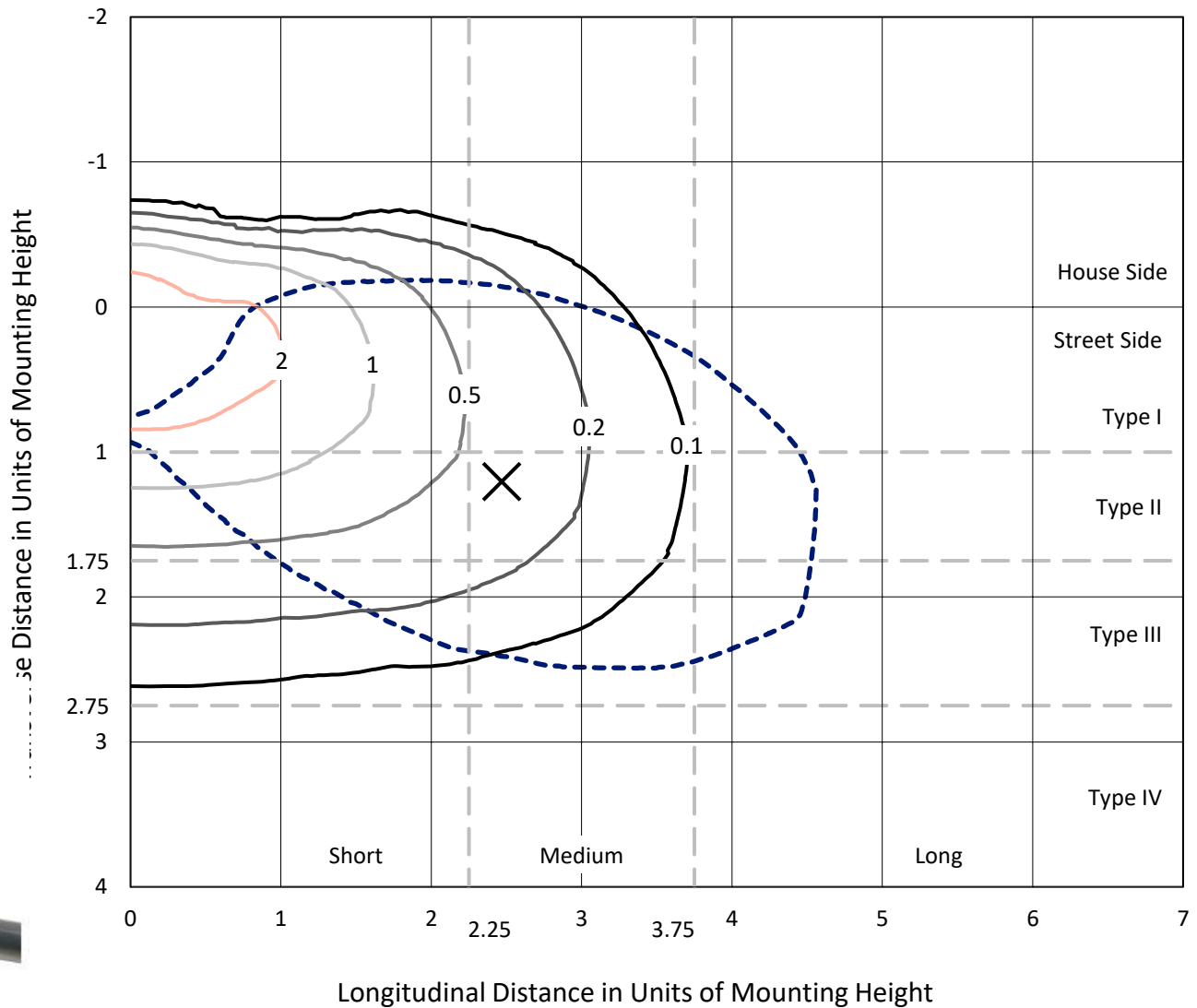
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691801
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

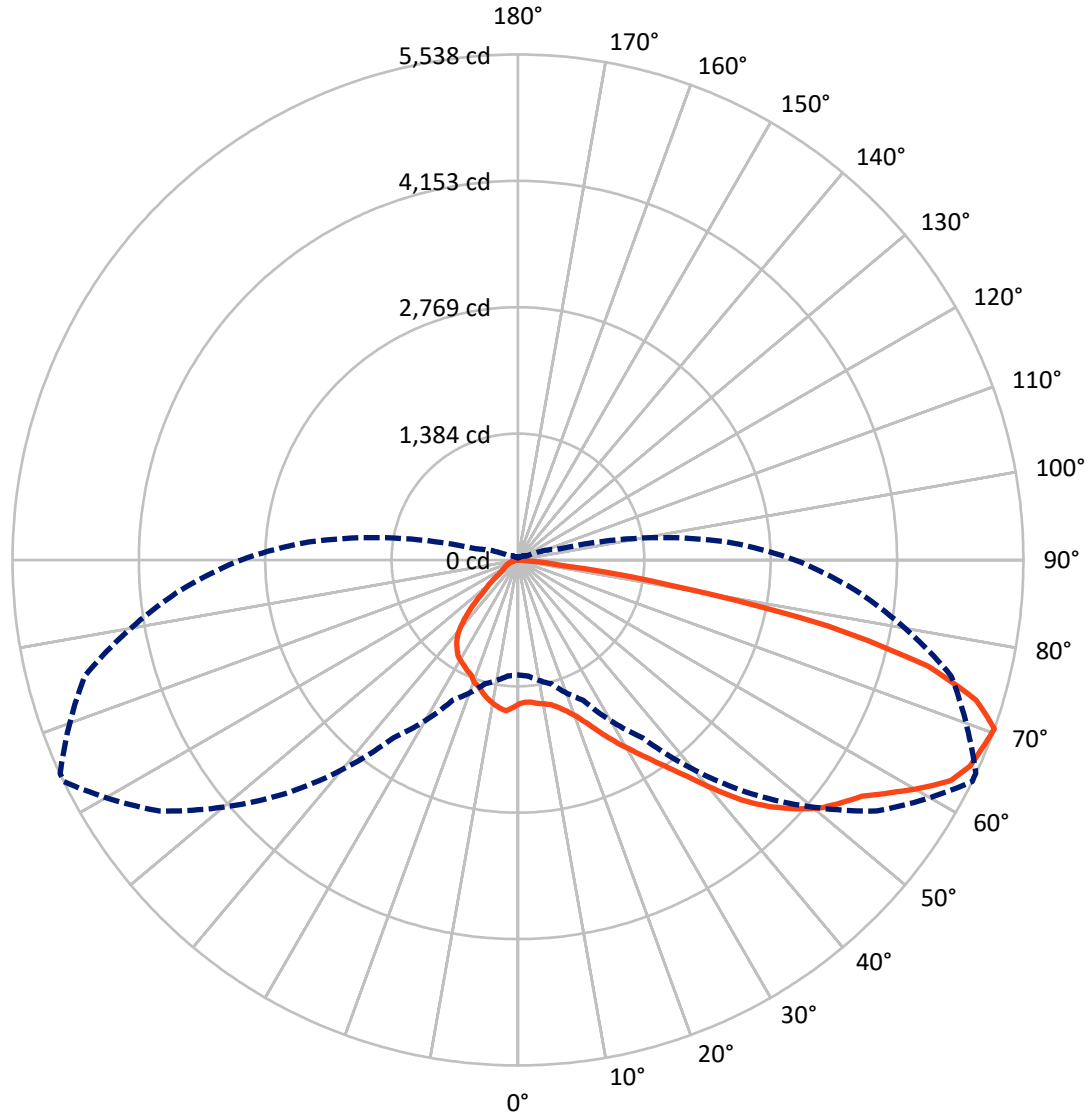
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P691801
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-U0-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P691801
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-U0-HSS-CRTK2

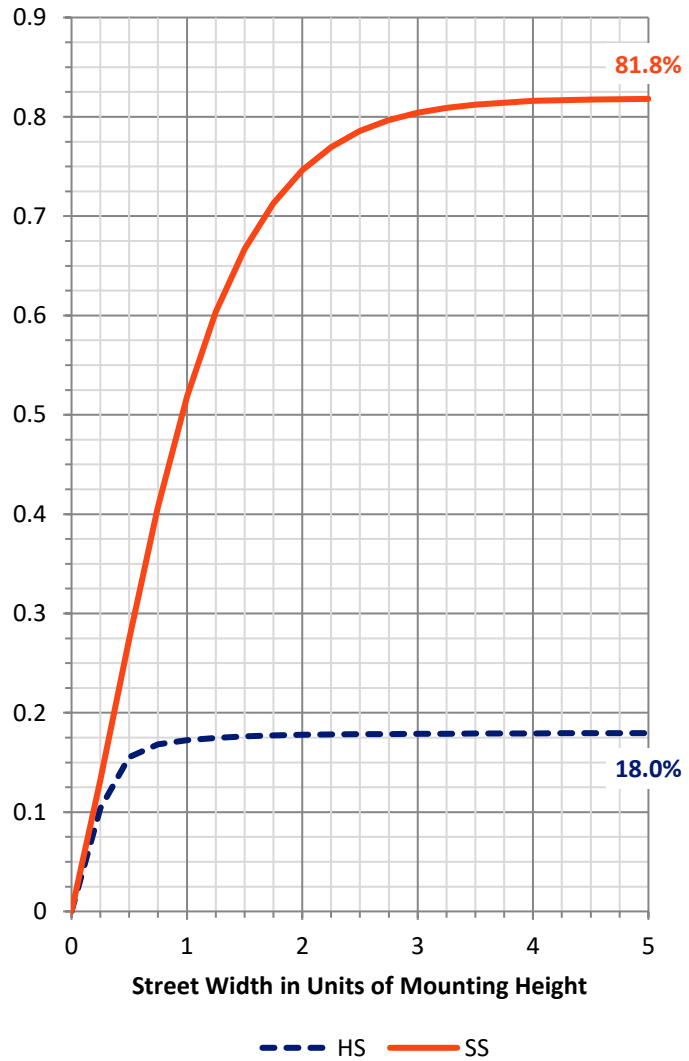
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1677.9	0.0	1677.9
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	7554.2	0.0	7554.2
	% Fixture	81.8	0.0	81.8
Total	Lumens	9232.0	0.0	9232.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	1.7
10°-20°	454.5	4.9
20°-30°	765.7	8.3
30°-40°	1126.9	12.2
40°-50°	1545.4	16.7
50°-60°	1880.3	20.4
60°-70°	1996.4	21.6
70°-80°	1223.8	13.3
80°-90°	85.4	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°	9232.0	100.0
0°-180°	9232.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691801

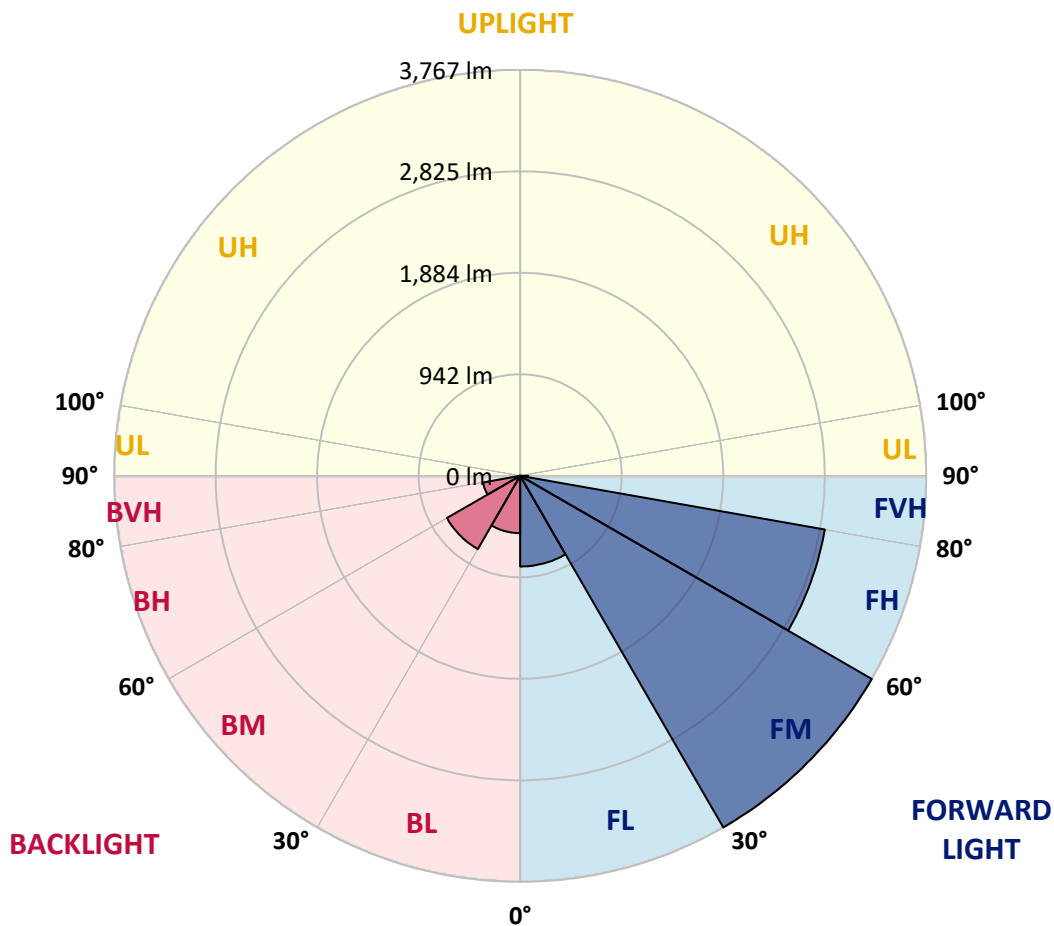
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	841.5	9.1			
FM (30°-60°)	3767.3	40.8			
FH (60°-80°)	2870.9	31.1			G2/5000
FVH (80°-90°)	74.5	0.8			G1/100
BL (0°-30°)	532.3	5.8	B2/1000		
BM (30°-60°)	785.3	8.5	B1/1000		
BH (60°-80°)	349.3	3.8	B1/500		G1/500
BVH (80°-90°)	10.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





REPORT NUMBER: P691801

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-U0-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4
2.5°	1559.5	1559.5	1562.8	1559.5	1566.2	1556.1	1559.5	1559.5	1559.5	1562.8	1573.0
5°	1606.8	1606.8	1600.0	1589.9	1579.7	1566.2	1566.2	1566.2	1566.2	1573.0	1596.7
7.5°	1637.3	1633.9	1633.9	1633.9	1623.7	1596.7	1589.9	1586.5	1586.5	1586.5	1610.2
10°	1711.7	1701.5	1688.0	1667.7	1657.6	1633.9	1606.8	1603.4	1603.4	1606.8	1637.3
12.5°	1782.7	1772.6	1772.6	1759.0	1718.4	1691.4	1644.0	1627.1	1627.1	1633.9	1650.8
15°	1901.1	1891.0	1863.9	1840.2	1803.0	1755.7	1708.3	1677.8	1674.5	1688.0	1664.3
17.5°	1985.7	1968.8	1972.1	1934.9	1904.5	1836.8	1789.5	1742.1	1742.1	1755.7	1708.3
20°	2066.9	2066.9	2070.2	2066.9	2016.1	1962.0	1884.2	1826.7	1830.1	1833.5	1759.0
22.5°	2188.6	2185.3	2185.3	2188.6	2154.8	2093.9	2009.4	1945.1	1941.7	1914.6	1823.3
25°	2330.7	2324.0	2310.4	2324.0	2307.0	2236.0	2154.8	2090.5	2080.4	2043.2	1918.0
27.5°	2449.1	2449.1	2449.1	2455.9	2455.9	2405.1	2313.8	2246.2	2252.9	2202.2	2029.7
30°	2533.7	2533.7	2564.1	2577.7	2587.8	2570.9	2472.8	2401.8	2415.3	2354.4	2168.3
32.5°	2625.0	2621.6	2662.2	2692.7	2706.2	2713.0	2631.8	2574.3	2577.7	2523.5	2327.3
35°	2709.6	2702.8	2757.0	2821.2	2855.1	2848.3	2790.8	2770.5	2777.2	2760.3	2543.8
37.5°	2770.5	2780.6	2851.7	2936.2	2990.4	3003.9	2966.7	3003.9	3041.1	3064.8	2824.6
40°	2838.1	2838.1	2905.8	2997.1	3081.7	3132.4	3159.5	3294.8	3325.3	3342.2	2990.4
42.5°	2770.5	2794.2	2936.2	3068.2	3179.8	3257.6	3369.2	3595.9	3629.7	3524.8	3210.2
45°	2713.0	2733.3	2875.3	3098.6	3261.0	3413.2	3616.2	3853.0	3886.8	3707.5	3335.4
47.5°	2655.5	2679.1	2828.0	3074.9	3335.4	3585.7	3815.8	4072.8	4089.8	3866.5	3501.2
50°	2591.2	2614.9	2770.5	3044.5	3379.4	3771.8	4012.0	4275.8	4279.2	4005.2	3585.7
52.5°	2510.0	2540.5	2696.1	3000.5	3416.6	3896.9	4187.9	4424.7	4404.4	4174.3	3687.2
55°	2408.5	2442.4	2614.9	2943.0	3436.9	3978.1	4302.9	4570.1	4556.6	4370.5	3819.1
57.5°	2293.5	2330.7	2510.0	2855.1	3430.1	4018.7	4421.3	4810.3	4817.1	4532.9	3917.2
60°	2161.6	2195.4	2364.5	2740.0	3342.2	4093.1	4675.0	5074.1	5097.8	4712.2	3957.8
62.5°	1989.1	2019.5	2181.9	2570.9	3230.5	4147.3	4867.8	5324.5	5314.3	4834.0	3971.4
65°	1772.6	1806.4	1958.6	2347.6	3054.6	4113.4	4928.7	5442.9	5442.9	4921.9	3961.2
67.5°	1552.7	1583.1	1711.7	2063.5	2770.5	3944.3	4891.5	5490.2	5520.7	4979.4	3869.9
70°	1258.4	1275.3	1403.8	1694.8	2374.7	3626.3	4796.8	5537.6	5534.2	4915.2	3697.4
72.5°	923.5	943.8	1048.7	1271.9	1836.8	3139.2	4499.1	5250.0	5195.9	4570.1	3362.5
75°	477.0	497.3	578.5	798.3	1170.4	2215.7	3836.1	4637.8	4627.6	4045.8	2784.0
77.5°	64.3	64.3	74.4	131.9	270.6	882.9	2513.4	3474.1	3453.8	3085.1	2022.9
80°	44.0	44.0	50.7	60.9	77.8	192.8	886.3	1762.4	1792.9	1589.9	906.6
82.5°	33.8	30.4	37.2	44.0	47.4	88.0	270.6	487.1	493.9	443.1	277.4
85°	20.3	20.3	20.3	20.3	16.9	23.7	60.9	81.2	91.3	88.0	71.0
87.5°	10.1	10.1	10.1	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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: P691801

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4
2.5°	1576.4	1586.5	1600.0	1617.0	1633.9	1647.4	1660.9	1667.7	1674.5	1677.8	1681.2
5°	1603.4	1617.0	1633.9	1657.6	1657.6	1647.4	1640.6	1640.6	1647.4	1657.6	1660.9
7.5°	1630.5	1644.0	1637.3	1633.9	1637.3	1623.7	1606.8	1596.7	1589.9	1589.9	1596.7
10°	1640.6	1627.1	1620.3	1603.4	1569.6	1562.8	1549.3	1522.2	1515.5	1522.2	1498.6
12.5°	1633.9	1623.7	1589.9	1562.8	1529.0	1471.5	1437.7	1437.7	1420.8	1417.4	1420.8
15°	1650.8	1617.0	1576.4	1518.9	1458.0	1410.6	1356.5	1309.1	1295.6	1299.0	1299.0
17.5°	1664.3	1630.5	1549.3	1461.4	1407.2	1322.7	1261.8	1234.7	1211.0	1207.6	1207.6
20°	1694.8	1647.4	1532.4	1437.7	1302.4	1238.1	1170.4	1136.6	1099.4	1048.7	1031.7
22.5°	1742.1	1677.8	1522.2	1373.4	1255.0	1153.5	1055.4	953.9	893.0	852.5	862.6
25°	1806.4	1735.4	1532.4	1349.7	1184.0	1055.4	926.9	788.2	696.8	669.8	686.7
27.5°	1921.4	1799.6	1562.8	1315.9	1133.2	940.4	747.6	625.8	541.2	514.2	524.3
30°	2026.3	1897.7	1566.2	1295.6	1052.0	805.1	588.6	453.3	385.6	345.0	334.9
32.5°	2215.7	2002.6	1650.8	1268.5	967.5	656.3	433.0	301.1	240.2	216.5	209.7
35°	2401.8	2188.6	1674.5	1217.8	811.9	487.1	267.2	179.3	145.5	128.5	125.2
37.5°	2658.9	2415.3	1772.6	1163.7	656.3	297.7	162.4	108.2	101.5	98.1	98.1
40°	2787.4	2533.7	1853.8	1085.9	460.1	169.1	104.9	94.7	91.3	88.0	88.0
42.5°	2970.1	2669.0	1921.4	947.2	270.6	111.6	94.7	88.0	84.6	81.2	81.2
45°	3071.5	2740.0	1904.5	778.0	135.3	104.9	91.3	84.6	77.8	77.8	77.8
47.5°	3206.9	2844.9	1860.5	575.1	121.8	101.5	88.0	81.2	77.8	81.2	77.8
50°	3335.4	2946.4	1738.7	456.7	118.4	98.1	88.0	77.8	77.8	77.8	77.8
52.5°	3406.4	3041.1	1586.5	334.9	121.8	98.1	84.6	77.8	77.8	74.4	77.8
55°	3474.1	3054.6	1464.7	243.6	121.8	94.7	81.2	74.4	71.0	67.7	67.7
57.5°	3521.5	3024.2	1366.6	203.0	121.8	94.7	77.8	71.0	60.9	57.5	57.5
60°	3507.9	2949.8	1285.4	186.1	115.0	88.0	71.0	60.9	54.1	47.4	47.4
62.5°	3470.7	2905.8	1136.6	162.4	104.9	81.2	64.3	50.7	44.0	40.6	40.6
65°	3436.9	2767.1	964.1	145.5	98.1	71.0	54.1	44.0	37.2	33.8	33.8
67.5°	3274.5	2584.4	717.1	125.2	88.0	64.3	47.4	40.6	33.8	30.4	27.1
70°	3034.3	2290.1	470.2	108.2	77.8	54.1	40.6	33.8	27.1	23.7	23.7
72.5°	2625.0	1891.0	243.6	88.0	64.3	47.4	37.2	30.4	23.7	20.3	20.3
75°	2131.1	1390.3	145.5	67.7	50.7	40.6	30.4	23.7	20.3	16.9	16.9
77.5°	1474.9	767.9	104.9	50.7	33.8	30.4	23.7	20.3	16.9	13.5	13.5
80°	497.3	209.7	74.4	37.2	23.7	23.7	16.9	13.5	13.5	10.1	10.1
82.5°	196.2	128.5	50.7	27.1	20.3	16.9	13.5	10.1	10.1	10.1	10.1
85°	54.1	37.2	20.3	13.5	10.1	10.1	10.1	6.8	6.8	6.8	6.8
87.5°	3.4	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4
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)