

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: P690881

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690881  
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-C01-5TLD-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: 7954 lumens  
Efficiency: N/A  
Efficacy: 132.6 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

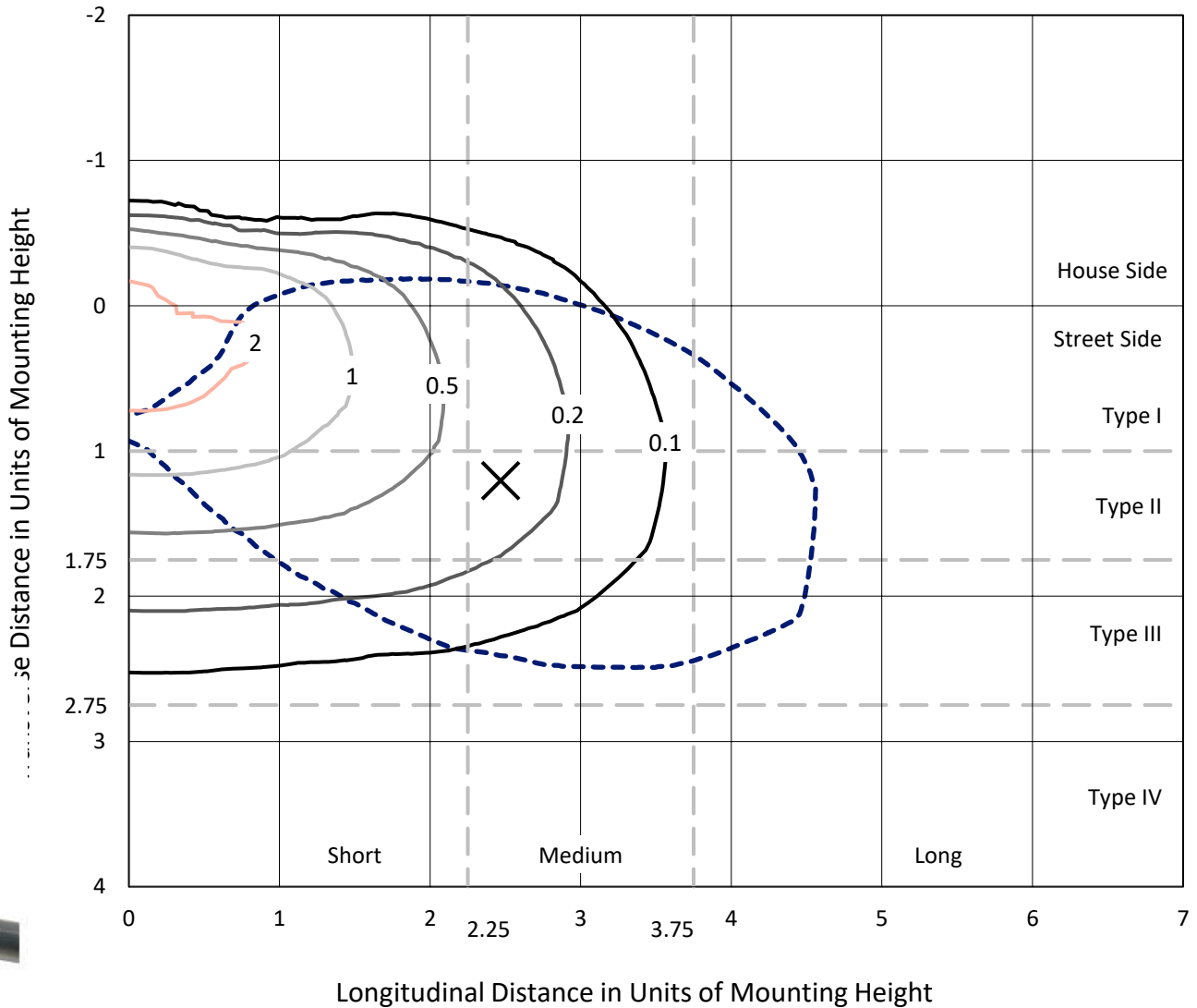
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

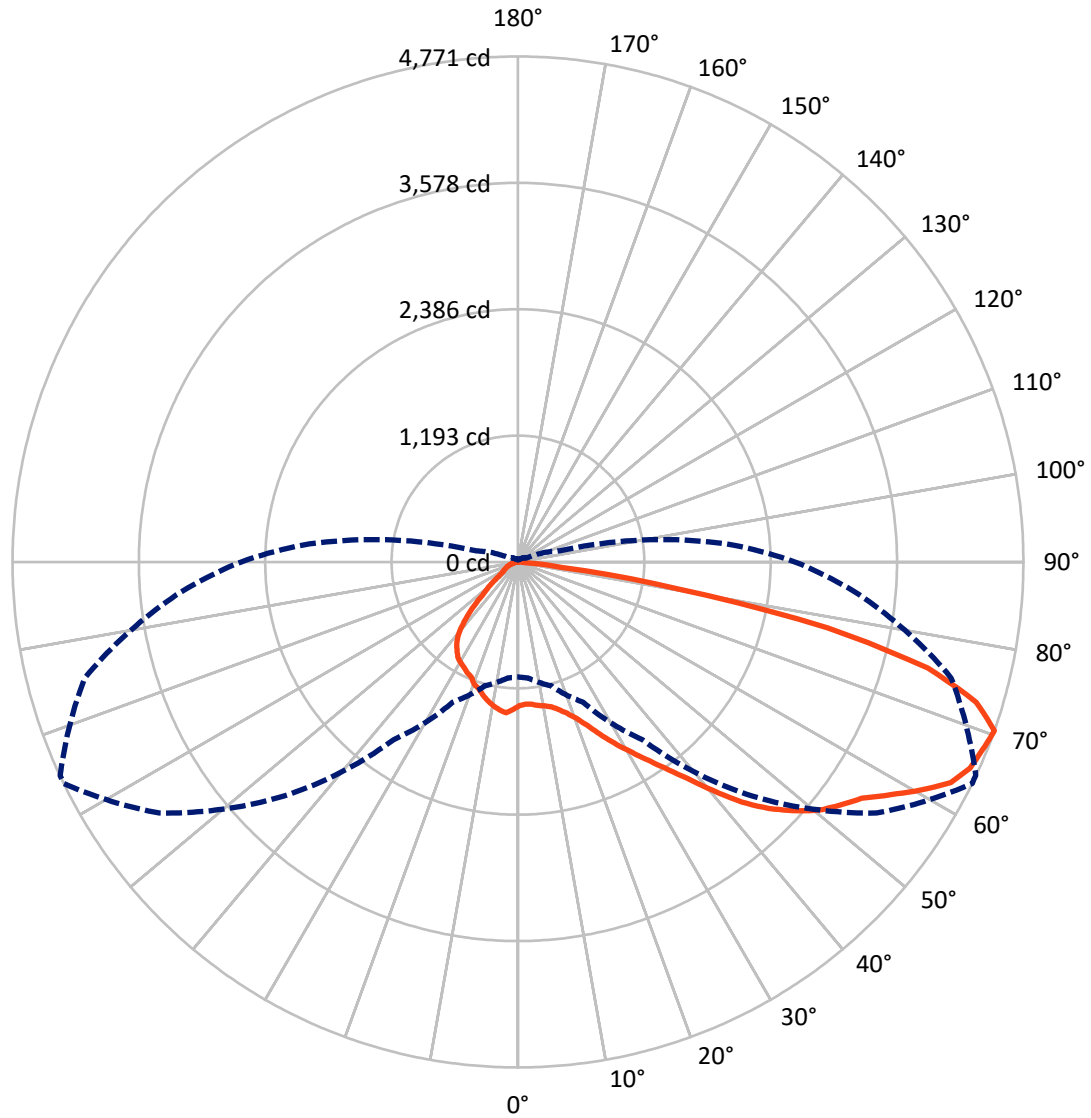
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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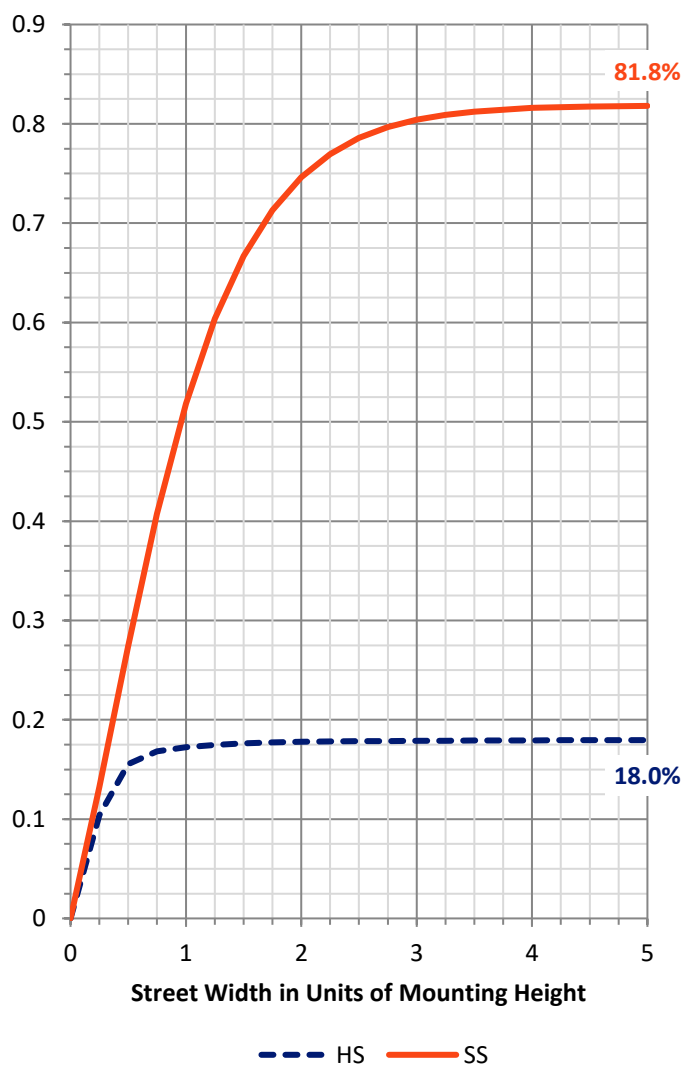
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1445.6	0.0	1445.6
	% Fixture	18.2	0.0	18.2
<b>Street Side</b>	Lumens	6508.4	0.0	6508.4
	% Fixture	81.8	0.0	81.8
<b>Total</b>	Lumens	7954.0	0.0	7954.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.4	1.7
10°-20°	391.6	4.9
20°-30°	659.7	8.3
30°-40°	970.9	12.2
40°-50°	1331.5	16.7
50°-60°	1620.0	20.4
60°-70°	1720.0	21.6
70°-80°	1054.4	13.3
80°-90°	73.6	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°	7954.0	100.0
0°-180°	7954.0	100.0

**Coefficient of Utilization**



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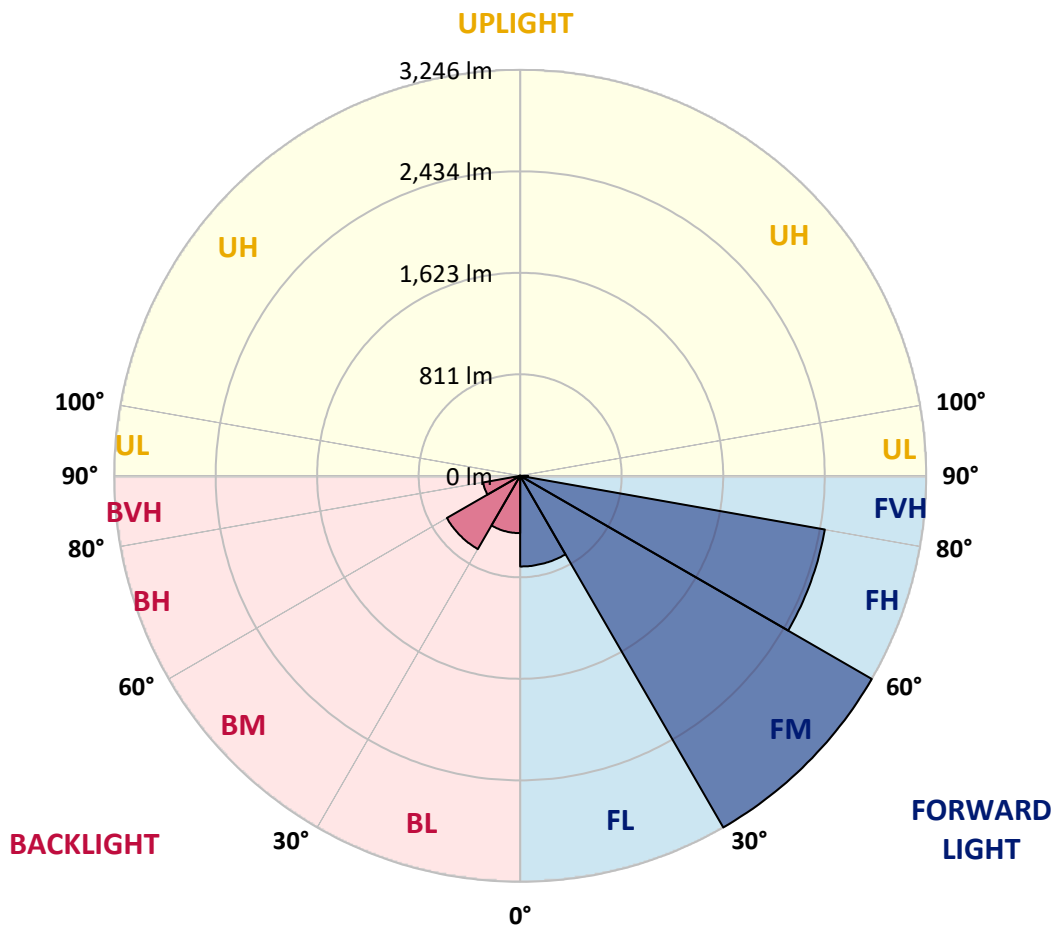
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.0	9.1			
FM (30°-60°)	3245.8	40.8			
FH (60°-80°)	2473.4	31.1			G2/5000
FVH (80°-90°)	64.1	0.8			G1/100
BL (0°-30°)	458.6	5.8	B1/500		
BM (30°-60°)	676.6	8.5	B1/1000		
BH (60°-80°)	301.0	3.8	B1/500		G1/500
BVH (80°-90°)	9.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1
2.5°	1343.6	1343.6	1346.5	1343.6	1349.4	1340.7	1343.6	1343.6	1343.6	1346.5	1355.2
5°	1384.4	1384.4	1378.5	1369.8	1361.1	1349.4	1349.4	1349.4	1349.4	1355.2	1375.6
7.5°	1410.6	1407.7	1407.7	1407.7	1399.0	1375.6	1369.8	1366.9	1366.9	1366.9	1387.3
10°	1474.7	1466.0	1454.3	1436.8	1428.1	1407.7	1384.4	1381.5	1381.5	1384.4	1410.6
12.5°	1535.9	1527.2	1527.2	1515.5	1480.6	1457.2	1416.4	1401.9	1401.9	1407.7	1422.3
15°	1637.9	1629.2	1605.9	1585.5	1553.4	1512.6	1471.8	1445.6	1442.7	1454.3	1433.9
17.5°	1710.8	1696.2	1699.1	1667.1	1640.9	1582.6	1541.8	1501.0	1501.0	1512.6	1471.8
20°	1780.7	1780.7	1783.7	1780.7	1737.0	1690.4	1623.4	1573.8	1576.7	1579.6	1515.5
22.5°	1885.7	1882.8	1882.8	1885.7	1856.5	1804.1	1731.2	1675.8	1672.9	1649.6	1570.9
25°	2008.1	2002.2	1990.6	2002.2	1987.7	1926.5	1856.5	1801.1	1792.4	1760.3	1652.5
27.5°	2110.1	2110.1	2110.1	2115.9	2115.9	2072.2	1993.5	1935.2	1941.0	1897.3	1748.7
30°	2182.9	2182.9	2209.2	2220.8	2229.6	2215.0	2130.5	2069.3	2080.9	2028.5	1868.2
32.5°	2261.6	2258.7	2293.7	2319.9	2331.6	2337.4	2267.5	2217.9	2220.8	2174.2	2005.2
35°	2334.5	2328.7	2375.3	2430.7	2459.8	2454.0	2404.4	2387.0	2392.8	2378.2	2191.7
37.5°	2387.0	2395.7	2456.9	2529.8	2576.4	2588.1	2556.0	2588.1	2620.1	2640.5	2433.6
40°	2445.2	2445.2	2503.5	2582.2	2655.1	2698.8	2722.1	2838.7	2864.9	2879.5	2576.4
42.5°	2387.0	2407.4	2529.8	2643.4	2739.6	2806.6	2902.8	3098.1	3127.2	3036.9	2765.8
45°	2337.4	2354.9	2477.3	2669.7	2809.6	2940.7	3115.6	3319.6	3348.7	3194.3	2873.7
47.5°	2287.9	2308.3	2436.5	2649.3	2873.7	3089.3	3287.5	3509.0	3523.6	3331.3	3016.5
50°	2232.5	2252.9	2387.0	2623.0	2911.6	3249.6	3456.6	3683.9	3686.8	3450.7	3089.3
52.5°	2162.5	2188.8	2322.8	2585.1	2943.6	3357.5	3608.1	3812.1	3794.7	3596.5	3176.8
55°	2075.1	2104.3	2252.9	2535.6	2961.1	3427.4	3707.2	3937.5	3925.8	3765.5	3290.4
57.5°	1976.0	2008.1	2162.5	2459.8	2955.3	3462.4	3809.2	4144.4	4150.2	3905.4	3375.0
60°	1862.4	1891.5	2037.2	2360.7	2879.5	3526.5	4027.8	4371.7	4392.1	4059.9	3409.9
62.5°	1713.7	1739.9	1879.8	2215.0	2783.3	3573.2	4193.9	4587.4	4578.6	4164.8	3421.6
65°	1527.2	1556.3	1687.5	2022.6	2631.8	3544.0	4246.4	4689.4	4689.4	4240.6	3412.9
67.5°	1337.7	1364.0	1474.7	1777.8	2387.0	3398.3	4214.3	4730.2	4756.4	4290.1	3334.2
70°	1084.2	1098.8	1209.5	1460.2	2046.0	3124.3	4132.7	4771.0	4768.1	4234.7	3185.5
72.5°	795.7	813.1	903.5	1095.8	1582.6	2704.6	3876.3	4523.3	4476.6	3937.5	2897.0
75°	410.9	428.4	498.4	687.8	1008.4	1909.0	3305.0	3995.8	3987.0	3485.7	2398.6
77.5°	55.4	55.4	64.1	113.7	233.2	760.7	2165.5	2993.2	2975.7	2658.0	1742.9
80°	37.9	37.9	43.7	52.5	67.0	166.1	763.6	1518.4	1544.7	1369.8	781.1
82.5°	29.1	26.2	32.1	37.9	40.8	75.8	233.2	419.7	425.5	381.8	239.0
85°	17.5	17.5	17.5	17.5	14.6	20.4	52.5	69.9	78.7	75.8	61.2
87.5°	8.7	8.7	8.7	5.8	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1	1358.1
2.5°	1358.1	1366.9	1378.5	1393.1	1407.7	1419.4	1431.0	1436.8	1442.7	1445.6	1448.5
5°	1381.5	1393.1	1407.7	1428.1	1428.1	1419.4	1413.5	1413.5	1419.4	1428.1	1431.0
7.5°	1404.8	1416.4	1410.6	1407.7	1410.6	1399.0	1384.4	1375.6	1369.8	1369.8	1375.6
10°	1413.5	1401.9	1396.0	1381.5	1352.3	1346.5	1334.8	1311.5	1305.7	1311.5	1291.1
12.5°	1407.7	1399.0	1369.8	1346.5	1317.3	1267.8	1238.7	1238.7	1224.1	1221.2	1224.1
15°	1422.3	1393.1	1358.1	1308.6	1256.1	1215.3	1168.7	1127.9	1116.2	1119.2	1119.2
17.5°	1433.9	1404.8	1334.8	1259.1	1212.4	1139.6	1087.1	1063.8	1043.4	1040.5	1040.5
20°	1460.2	1419.4	1320.3	1238.7	1122.1	1066.7	1008.4	979.3	947.2	903.5	888.9
22.5°	1501.0	1445.6	1311.5	1183.3	1081.3	993.8	909.3	821.9	769.4	734.4	743.2
25°	1556.3	1495.1	1320.3	1162.9	1020.1	909.3	798.6	679.1	600.4	577.1	591.6
27.5°	1655.4	1550.5	1346.5	1133.7	976.4	810.2	644.1	539.2	466.3	443.0	451.7
30°	1745.8	1635.0	1349.4	1116.2	906.4	693.6	507.1	390.5	332.3	297.3	288.5
32.5°	1909.0	1725.4	1422.3	1092.9	833.5	565.4	373.1	259.4	206.9	186.5	180.7
35°	2069.3	1885.7	1442.7	1049.2	699.5	419.7	230.2	154.5	125.3	110.8	107.8
37.5°	2290.8	2080.9	1527.2	1002.6	565.4	256.5	139.9	93.3	87.4	84.5	84.5
40°	2401.5	2182.9	1597.1	935.5	396.4	145.7	90.3	81.6	78.7	75.8	75.8
42.5°	2558.9	2299.5	1655.4	816.1	233.2	96.2	81.6	75.8	72.9	69.9	69.9
45°	2646.3	2360.7	1640.9	670.3	116.6	90.3	78.7	72.9	67.0	67.0	67.0
47.5°	2762.9	2451.1	1603.0	495.5	104.9	87.4	75.8	69.9	67.0	69.9	67.0
50°	2873.7	2538.5	1498.0	393.5	102.0	84.5	75.8	67.0	67.0	67.0	67.0
52.5°	2934.9	2620.1	1366.9	288.5	104.9	84.5	72.9	67.0	67.0	64.1	67.0
55°	2993.2	2631.8	1262.0	209.8	104.9	81.6	69.9	64.1	61.2	58.3	58.3
57.5°	3034.0	2605.5	1177.4	174.9	104.9	81.6	67.0	61.2	52.5	49.5	49.5
60°	3022.3	2541.4	1107.5	160.3	99.1	75.8	61.2	52.5	46.6	40.8	40.8
62.5°	2990.3	2503.5	979.3	139.9	90.3	69.9	55.4	43.7	37.9	35.0	35.0
65°	2961.1	2384.0	830.6	125.3	84.5	61.2	46.6	37.9	32.1	29.1	29.1
67.5°	2821.2	2226.7	617.9	107.8	75.8	55.4	40.8	35.0	29.1	26.2	23.3
70°	2614.3	1973.1	405.1	93.3	67.0	46.6	35.0	29.1	23.3	20.4	20.4
72.5°	2261.6	1629.2	209.8	75.8	55.4	40.8	32.1	26.2	20.4	17.5	17.5
75°	1836.1	1197.9	125.3	58.3	43.7	35.0	26.2	20.4	17.5	14.6	14.6
77.5°	1270.7	661.6	90.3	43.7	29.1	26.2	20.4	17.5	14.6	11.7	11.7
80°	428.4	180.7	64.1	32.1	20.4	20.4	14.6	11.7	11.7	8.7	8.7
82.5°	169.0	110.8	43.7	23.3	17.5	14.6	11.7	8.7	8.7	8.7	8.7
85°	46.6	32.1	17.5	11.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8
87.5°	2.9	5.8	5.8	5.8	5.8	5.8	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)