

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: P691618

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T3-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7848 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

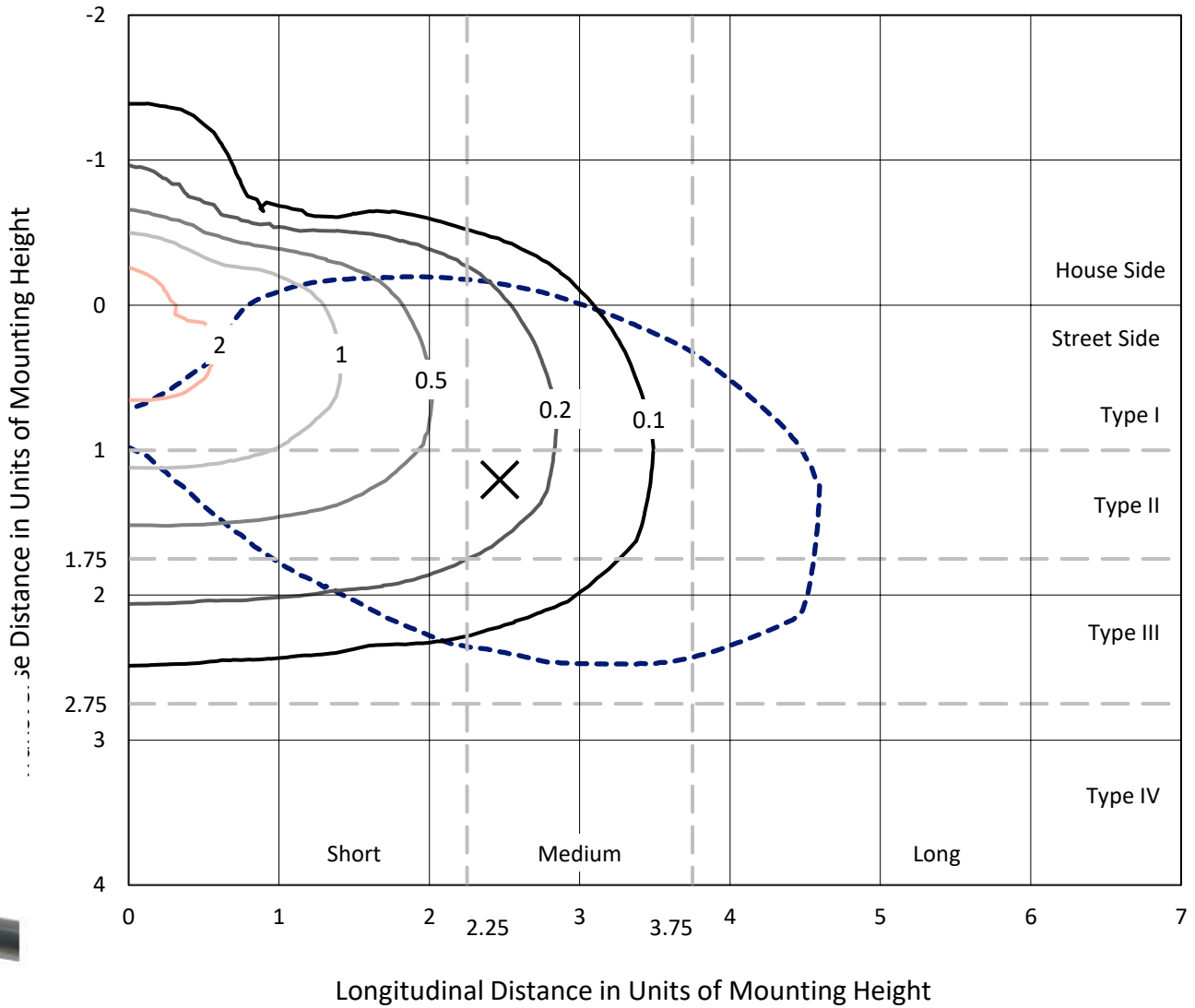
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

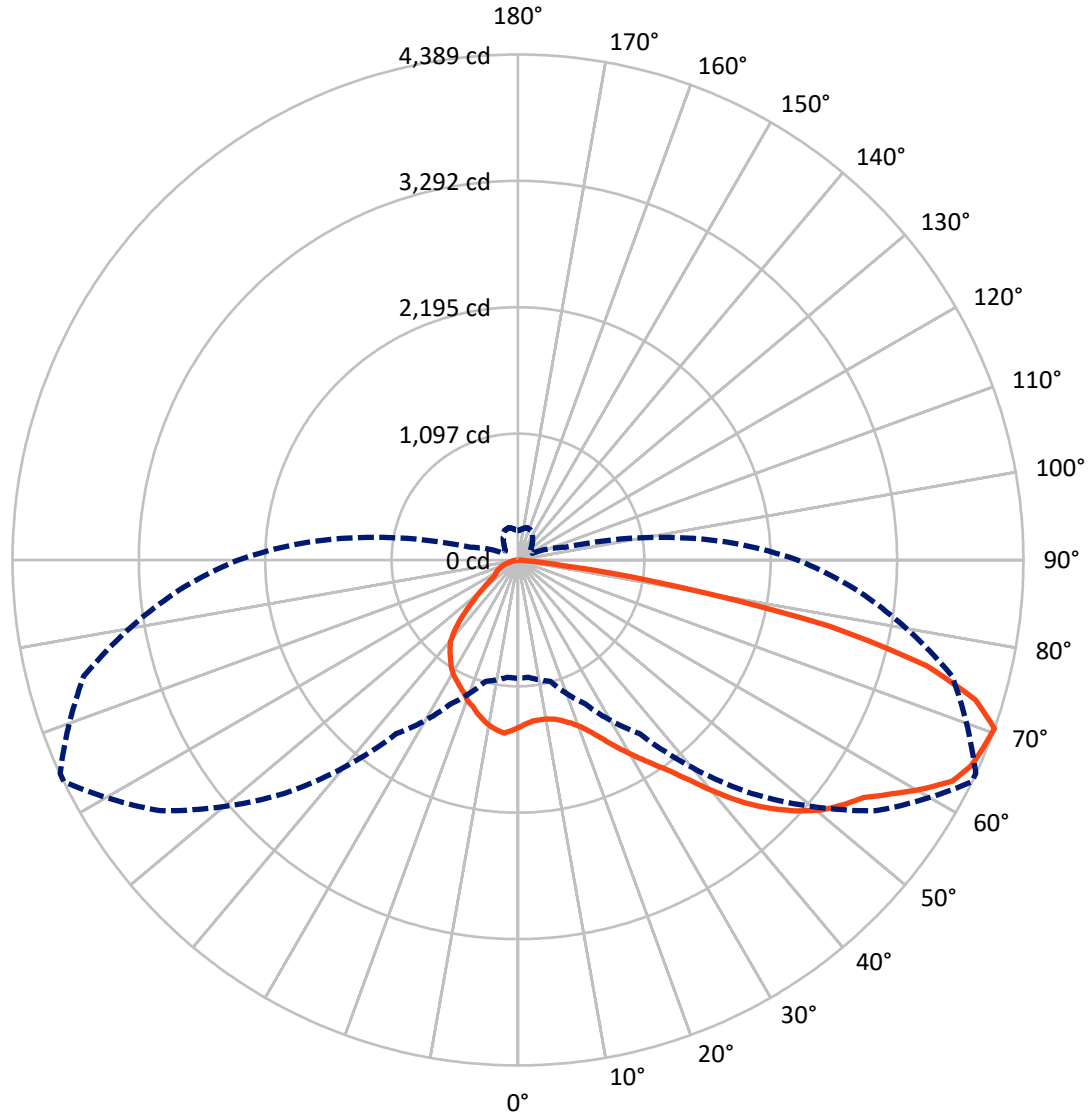
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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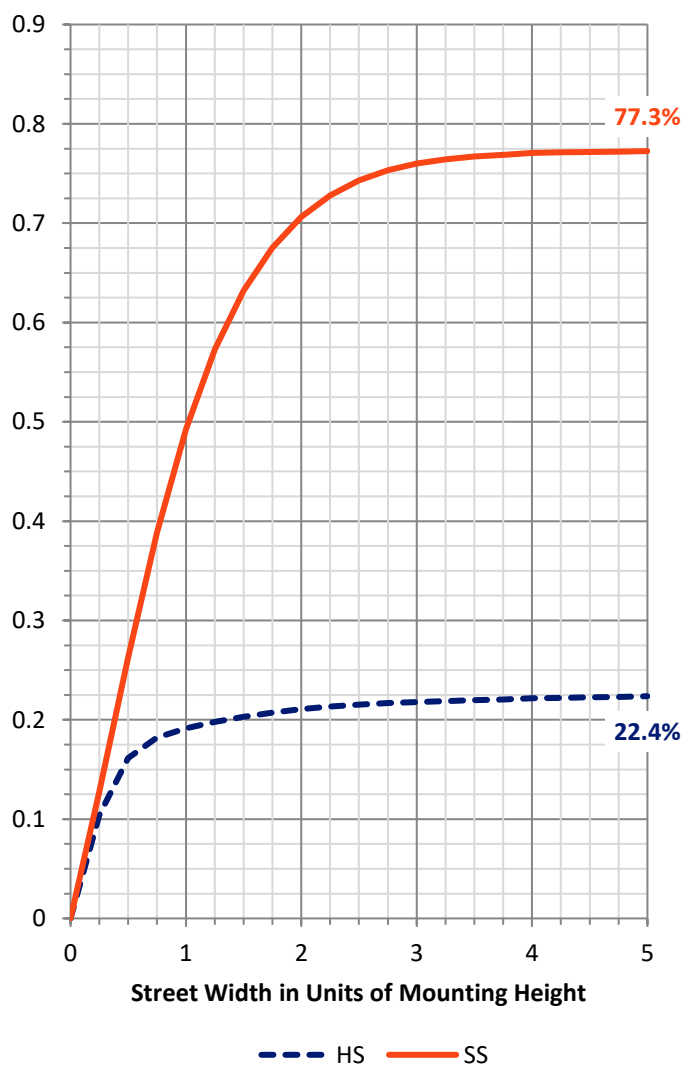
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1782.8	0.0	1782.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6065.2	0.0	6065.2
	% Fixture	77.3	0.0	77.3
Total	Lumens	7848.0	0.0	7848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	1.8
10°-20°	409.3	5.2
20°-30°	679.4	8.7
30°-40°	971.7	12.4
40°-50°	1297.7	16.5
50°-60°	1568.2	20.0
60°-70°	1669.0	21.3
70°-80°	1025.3	13.1
80°-90°	87.8	1.1
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°	7848.0	100.0
0°-180°	7848.0	100.0

Coefficient of Utilization

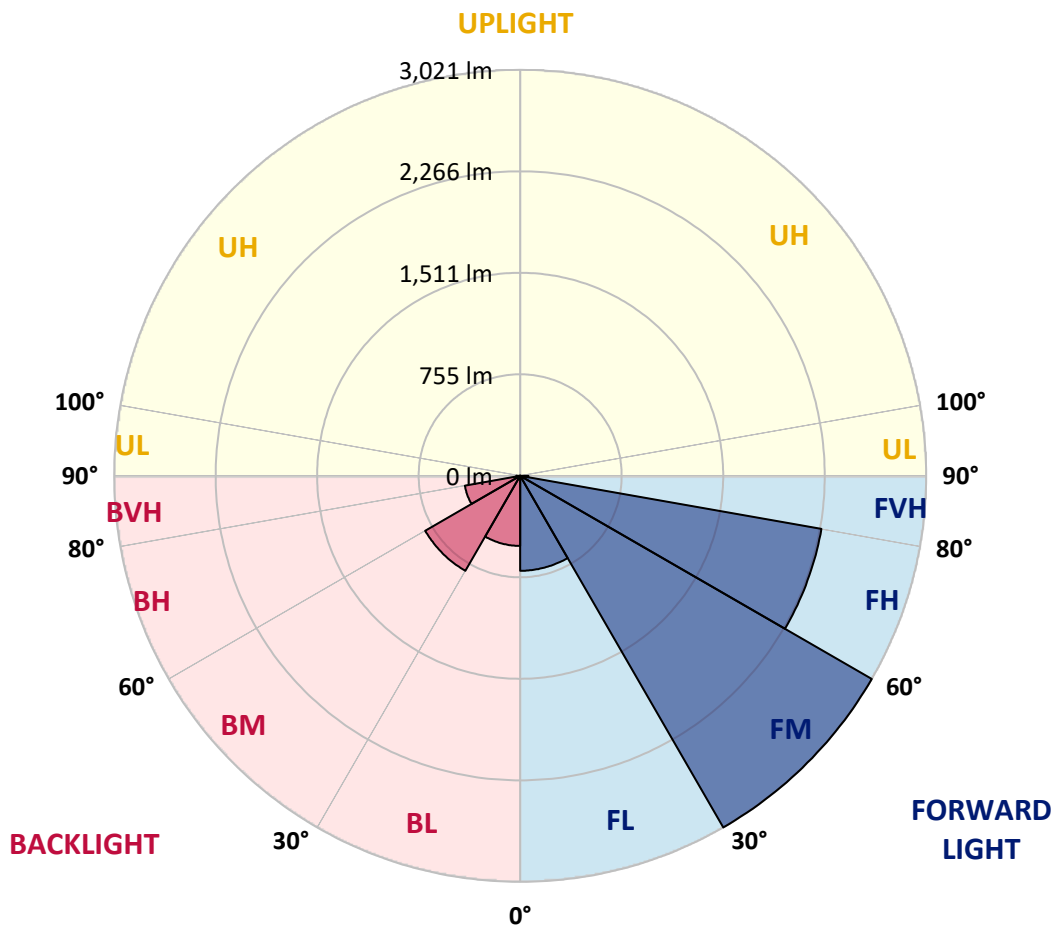


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	706.7	9.0			
FM (30°-60°)	3021.4	38.5			
FH (60°-80°)	2276.2	29.0			G2/5000
FVH (80°-90°)	61.0	0.8			G1/100
BL (0°-30°)	521.6	6.6	B2/1000		
BM (30°-60°)	816.3	10.4	B1/1000		
BH (60°-80°)	418.1	5.3	B1/500		G1/500
BVH (80°-90°)	26.8	0.3			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5
2.5°	1416.8	1416.8	1416.8	1416.8	1419.5	1422.2	1419.5	1422.2	1422.2	1427.5	1435.5
5°	1440.8	1440.8	1435.5	1424.8	1416.8	1406.1	1400.8	1403.5	1403.5	1416.8	1438.2
7.5°	1448.8	1448.8	1443.5	1443.5	1435.5	1411.5	1403.5	1400.8	1403.5	1408.8	1438.2
10°	1488.9	1486.2	1472.9	1456.8	1446.2	1424.8	1406.1	1403.5	1406.1	1414.2	1446.2
12.5°	1531.6	1531.6	1526.2	1512.9	1483.5	1462.2	1430.2	1419.5	1416.8	1424.8	1443.5
15°	1616.9	1606.3	1584.9	1566.2	1544.9	1510.2	1467.5	1448.8	1443.5	1454.2	1446.2
17.5°	1667.6	1659.6	1662.3	1632.9	1614.3	1566.2	1523.5	1488.9	1486.2	1496.9	1462.2
20°	1723.7	1721.0	1726.3	1723.7	1694.3	1651.6	1584.9	1542.2	1536.9	1539.6	1486.2
22.5°	1809.0	1809.0	1806.4	1806.4	1790.4	1739.7	1665.0	1622.3	1614.3	1595.6	1526.2
25°	1902.4	1902.4	1902.4	1907.8	1907.8	1849.1	1774.4	1726.3	1721.0	1694.3	1592.9
27.5°	1990.5	1995.8	1998.5	2001.2	2009.2	1982.5	1899.8	1843.7	1841.1	1806.4	1681.0
30°	2059.9	2062.5	2086.5	2091.9	2107.9	2099.9	2019.8	1966.5	1971.8	1926.4	1779.7
32.5°	2121.2	2123.9	2158.6	2177.3	2195.9	2198.6	2131.9	2094.5	2094.5	2054.5	1899.8
35°	2179.9	2182.6	2225.3	2270.6	2308.0	2297.3	2260.0	2238.6	2246.6	2233.3	2065.2
37.5°	2230.6	2241.3	2297.3	2364.0	2406.7	2414.7	2398.7	2428.1	2444.1	2465.4	2289.3
40°	2278.7	2284.0	2337.4	2406.7	2478.8	2516.1	2534.8	2654.9	2670.9	2686.9	2417.4
42.5°	2233.3	2244.0	2358.7	2462.8	2553.5	2617.5	2705.6	2881.7	2916.4	2828.3	2590.8
45°	2179.9	2193.3	2308.0	2484.1	2612.2	2729.6	2892.3	3079.1	3105.8	2972.4	2684.2
47.5°	2134.6	2150.6	2268.0	2465.4	2673.5	2881.7	3044.4	3255.2	3271.2	3095.1	2812.3
50°	2083.9	2097.2	2222.6	2441.4	2705.6	3020.4	3204.5	3415.3	3420.6	3196.5	2879.0
52.5°	2017.2	2030.5	2158.6	2404.1	2729.6	3113.8	3337.9	3532.7	3511.4	3327.3	2956.4
55°	1931.8	1950.5	2089.2	2353.4	2742.9	3169.8	3428.7	3642.1	3631.4	3482.0	3057.8
57.5°	1841.1	1859.7	2001.2	2284.0	2729.6	3204.5	3522.0	3831.6	3828.9	3607.4	3132.5
60°	1739.7	1755.7	1875.8	2193.3	2657.5	3260.6	3727.5	4037.0	4058.3	3748.8	3161.8
62.5°	1606.3	1608.9	1729.0	2062.5	2564.2	3300.6	3874.2	4231.8	4218.4	3842.2	3167.2
65°	1430.2	1438.2	1544.9	1881.1	2412.1	3268.6	3911.6	4319.8	4319.8	3911.6	3161.8
67.5°	1259.4	1256.7	1347.4	1654.3	2177.3	3127.1	3879.6	4357.2	4375.9	3957.0	3092.5
70°	1027.3	1021.9	1091.3	1376.8	1841.1	2865.7	3796.9	4389.2	4386.5	3903.6	2945.7
72.5°	760.4	757.8	805.8	1043.3	1408.8	2452.1	3551.4	4154.4	4127.7	3647.4	2660.2
75°	421.6	400.2	397.6	645.7	819.1	1718.3	3017.7	3663.5	3674.1	3223.2	2228.0
77.5°	61.4	64.0	66.7	117.4	141.4	643.0	1961.1	2761.6	2756.3	2486.8	1624.9
80°	42.7	45.4	48.0	58.7	66.7	152.1	677.7	1392.8	1472.9	1307.4	749.8
82.5°	32.0	32.0	34.7	40.0	37.4	69.4	210.8	386.9	400.2	362.9	221.5
85°	21.3	21.3	18.7	21.3	13.3	18.7	48.0	72.0	77.4	74.7	61.4
87.5°	10.7	10.7	8.0	8.0	5.3	5.3	5.3	2.7	5.3	2.7	5.3
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°	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5	1451.5
2.5°	1443.5	1448.8	1464.8	1478.2	1494.2	1512.9	1523.5	1534.2	1544.9	1539.6	1547.6
5°	1448.8	1459.5	1483.5	1507.5	1520.9	1523.5	1526.2	1534.2	1550.2	1550.2	1563.6
7.5°	1454.2	1472.9	1472.9	1486.2	1504.9	1510.2	1512.9	1518.2	1526.2	1528.9	1526.2
10°	1454.2	1446.2	1459.5	1462.2	1454.2	1467.5	1475.5	1472.9	1480.9	1483.5	1483.5
12.5°	1438.2	1435.5	1424.8	1424.8	1422.2	1400.8	1400.8	1422.2	1422.2	1435.5	1438.2
15°	1438.2	1416.8	1403.5	1384.8	1366.1	1358.1	1347.4	1331.4	1336.8	1355.5	1360.8
17.5°	1435.5	1411.5	1371.5	1334.1	1320.8	1288.7	1278.1	1278.1	1275.4	1286.1	1288.7
20°	1446.2	1411.5	1350.1	1307.4	1235.4	1224.7	1203.4	1206.0	1208.7	1192.7	1184.7
22.5°	1475.5	1432.8	1334.1	1251.4	1195.4	1147.3	1107.3	1080.6	1078.0	1070.0	1078.0
25°	1520.9	1470.2	1336.8	1219.4	1128.7	1059.3	1032.6	968.6	939.2	941.9	957.9
27.5°	1603.6	1515.5	1350.1	1184.7	1075.3	976.6	891.2	851.2	819.1	819.1	824.5
30°	1681.0	1584.9	1344.8	1155.3	992.6	869.8	760.4	696.4	685.7	675.1	672.4
32.5°	1825.1	1673.0	1398.1	1112.6	915.2	733.8	624.4	536.3	544.3	547.0	552.3
35°	1969.1	1814.4	1408.8	1059.3	803.1	597.7	482.9	434.9	456.3	461.6	466.9
37.5°	2161.3	1990.5	1480.9	1011.3	688.4	458.9	384.2	362.9	384.2	384.2	386.9
40°	2265.3	2073.2	1539.6	963.2	539.0	338.9	301.5	285.5	312.2	333.5	338.9
42.5°	2412.1	2179.9	1592.9	867.2	381.6	253.5	232.1	264.2	306.8	328.2	330.9
45°	2486.8	2233.3	1574.2	739.1	250.8	205.5	226.8	266.8	309.5	330.9	333.5
47.5°	2588.2	2308.0	1536.9	589.7	200.1	202.8	229.5	274.8	317.5	336.2	338.9
50°	2686.9	2385.4	1440.8	469.6	192.1	202.8	234.8	277.5	314.8	328.2	325.5
52.5°	2742.9	2457.4	1318.1	357.5	192.1	205.5	240.1	282.8	312.2	314.8	314.8
55°	2793.6	2465.4	1216.7	277.5	189.4	208.1	245.5	288.2	314.8	314.8	309.5
57.5°	2825.6	2433.4	1139.3	240.1	189.4	208.1	245.5	288.2	328.2	336.2	328.2
60°	2812.3	2372.0	1086.0	224.1	184.1	205.5	242.8	296.2	402.9	421.6	405.6
62.5°	2780.3	2337.4	971.2	205.5	176.1	197.4	237.5	320.2	432.3	434.9	421.6
65°	2750.9	2222.6	832.5	184.1	165.4	189.4	229.5	325.5	365.5	352.2	349.5
67.5°	2617.5	2073.2	635.0	162.8	149.4	178.8	221.5	298.8	325.5	309.5	304.2
70°	2428.1	1811.7	424.2	138.7	133.4	165.4	221.5	280.2	290.8	264.2	253.5
72.5°	2081.2	1499.5	232.1	112.1	112.1	152.1	200.1	261.5	269.5	237.5	218.8
75°	1694.3	1086.0	149.4	85.4	85.4	128.1	181.4	248.1	264.2	229.5	205.5
77.5°	1166.0	595.0	104.1	61.4	56.0	98.7	144.1	202.8	234.8	197.4	168.1
80°	394.9	157.4	66.7	40.0	34.7	56.0	96.1	157.4	213.5	202.8	181.4
82.5°	154.8	98.7	45.4	26.7	24.0	26.7	48.0	98.7	170.8	184.1	213.5
85°	45.4	26.7	16.0	13.3	13.3	13.3	13.3	40.0	101.4	133.4	168.1
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	24.0	42.7	56.0
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)