

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: P690890

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690890
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-C01-5TLD-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7441 lumens
Efficiency: N/A
Efficacy: 124.0 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



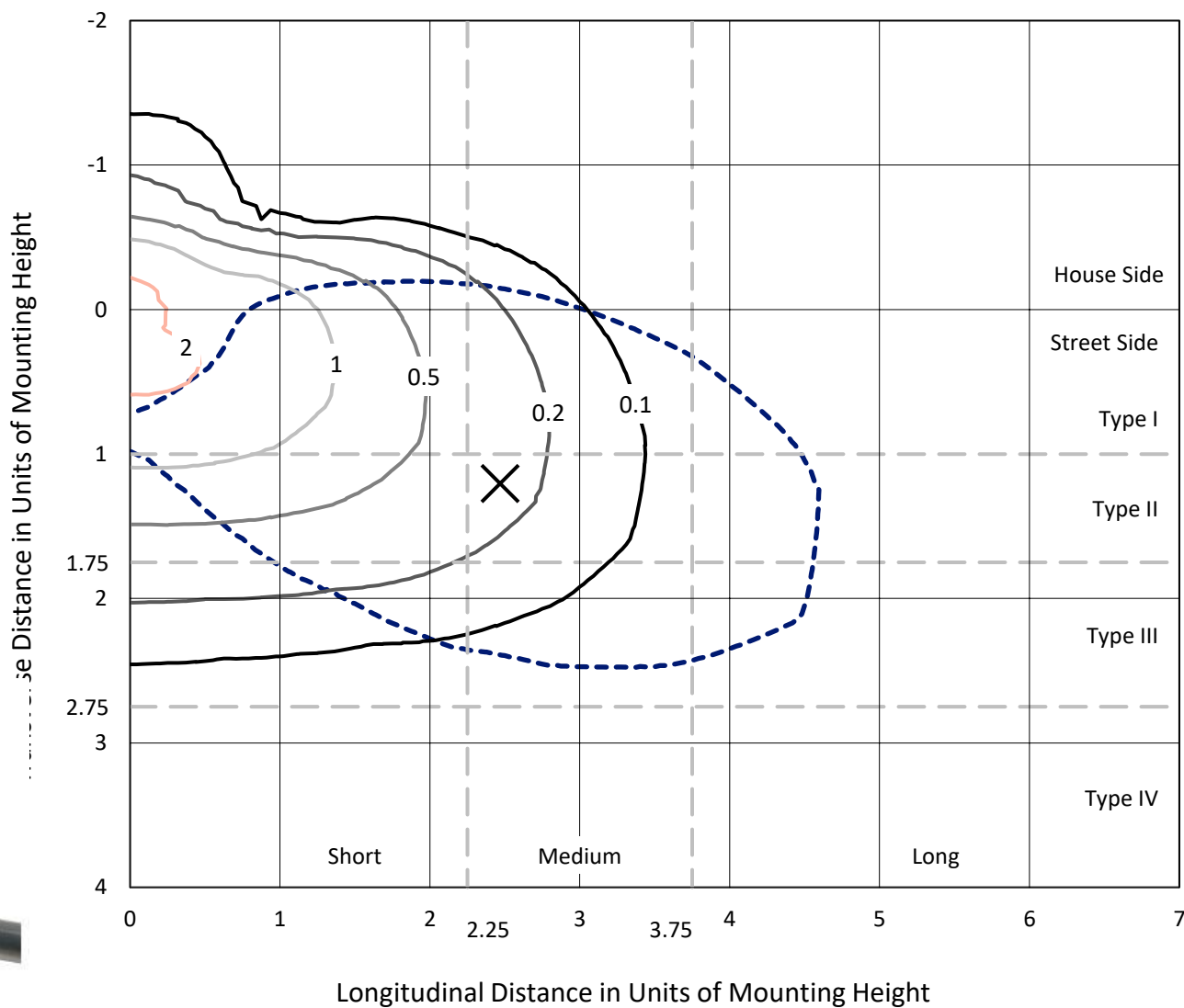
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

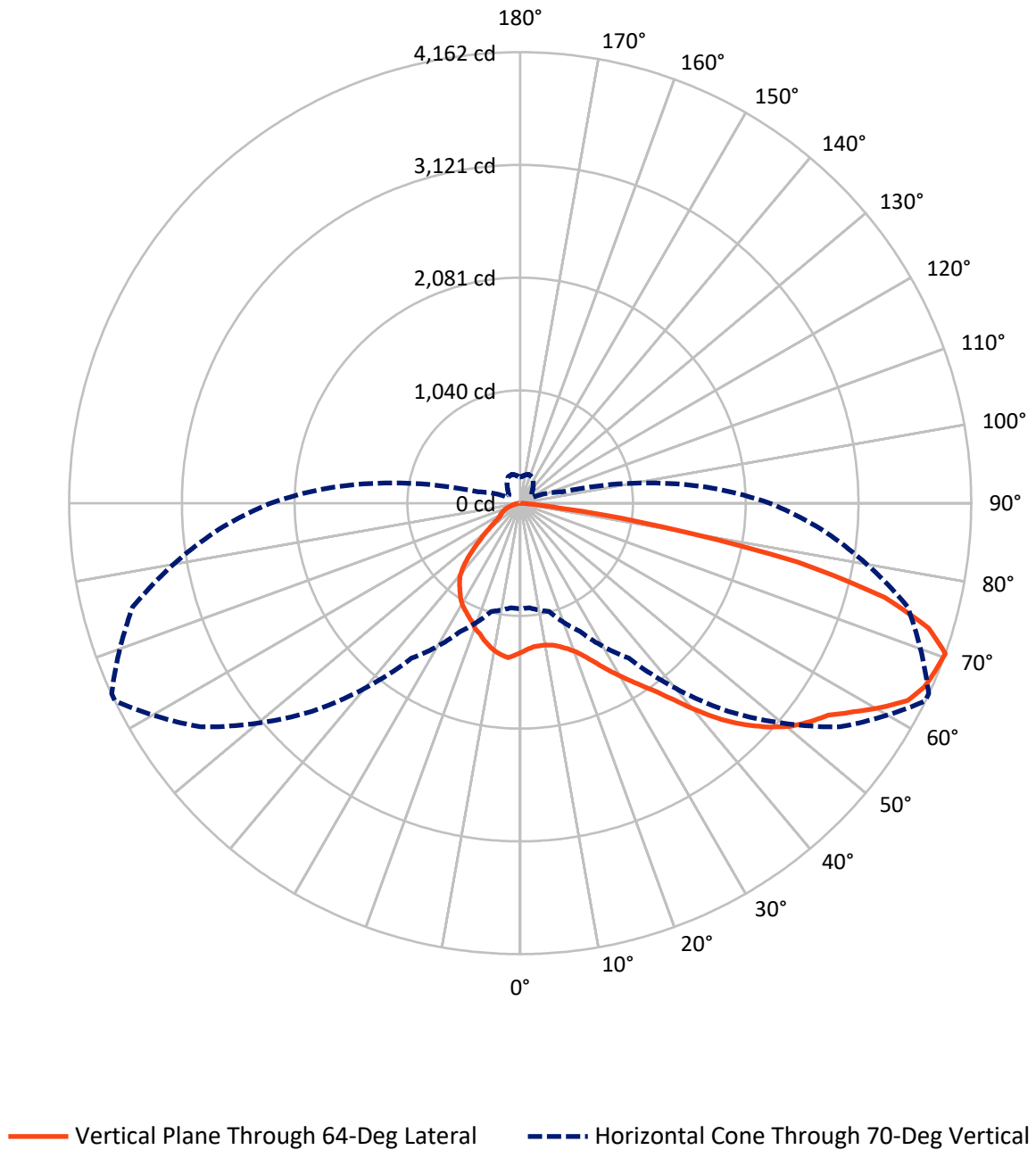
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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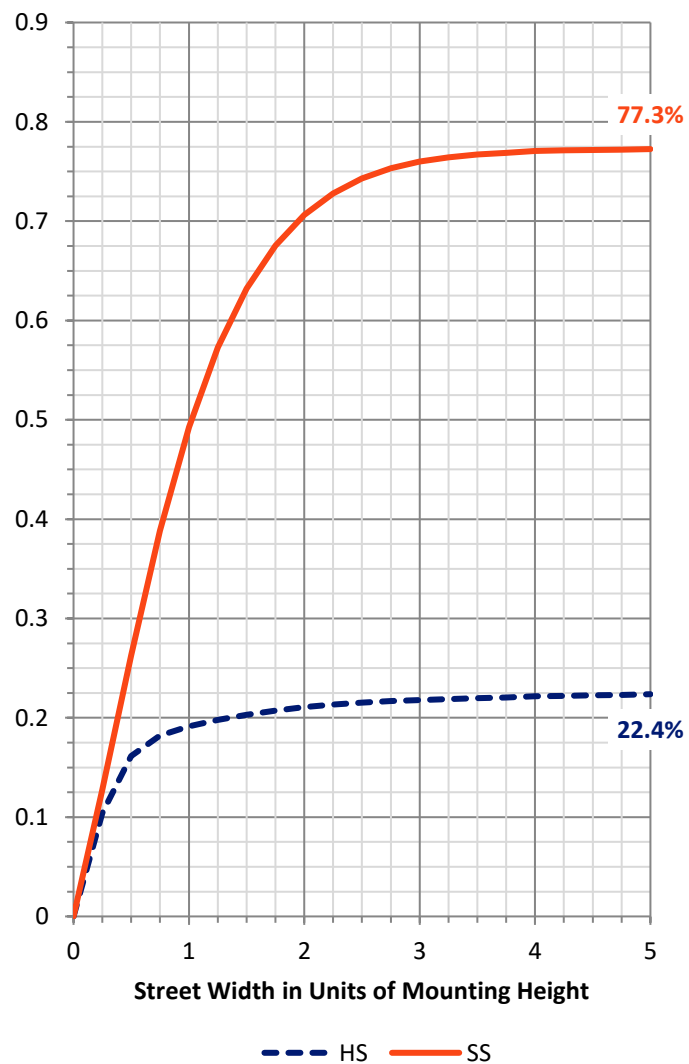
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1690.3	0.0	1690.3
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5750.7	0.0	5750.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	7441.0	0.0	7441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	1.8
10°-20°	388.1	5.2
20°-30°	644.1	8.7
30°-40°	921.3	12.4
40°-50°	1230.4	16.5
50°-60°	1486.9	20.0
60°-70°	1582.5	21.3
70°-80°	972.1	13.1
80°-90°	83.2	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°	7441.0	100.0
0°-180°	7441.0	100.0

Coefficient of Utilization



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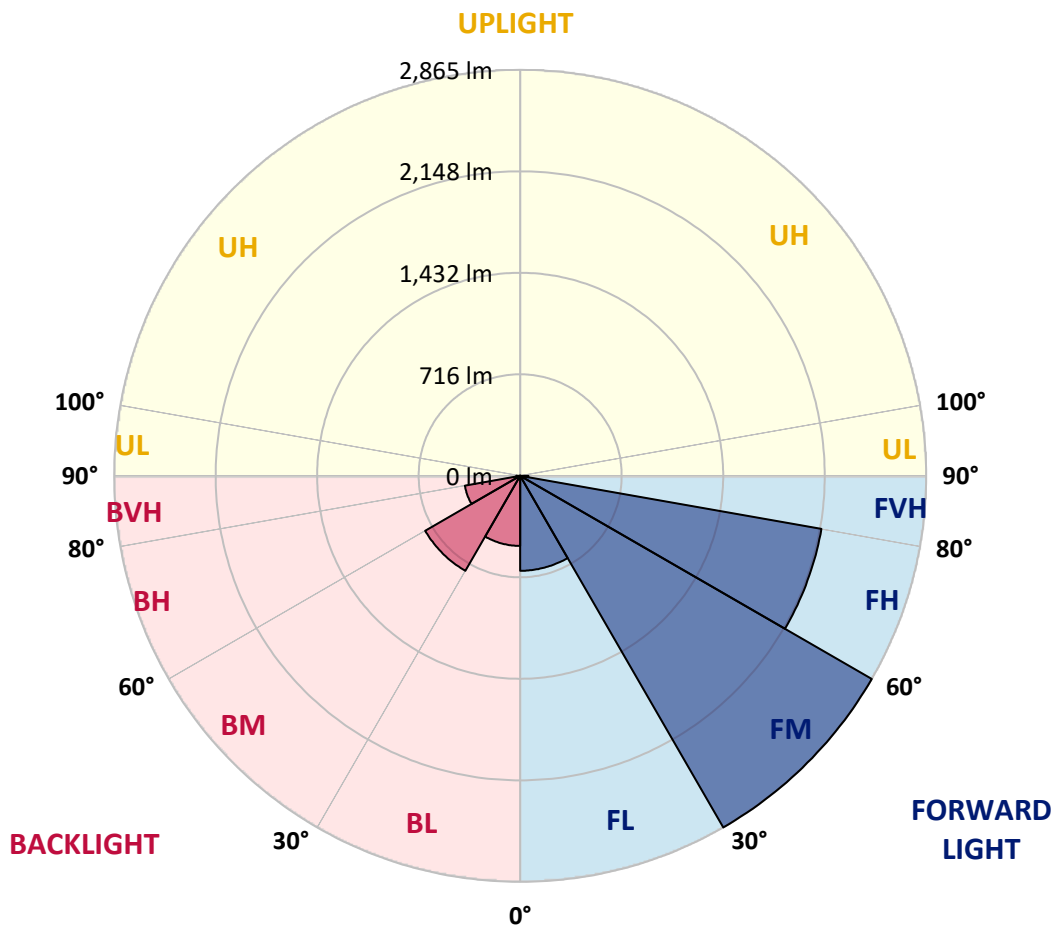
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	670.0	9.0			
FM	(30°-60°)	2864.7	38.5			
FH	(60°-80°)	2158.1	29.0			G2/5000
FVH	(80°-90°)	57.8	0.8			G1/100
BL	(0°-30°)	494.5	6.6	B1/500		
BM	(30°-60°)	773.9	10.4	B1/1000		
BH	(60°-80°)	396.4	5.3	B1/500		G1/500
BVH	(80°-90°)	25.4	0.3			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2
2.5°	1343.3	1343.3	1343.3	1343.3	1345.9	1348.4	1345.9	1348.4	1348.4	1353.5	1361.1
5°	1366.1	1366.1	1361.1	1350.9	1343.3	1333.2	1328.2	1330.7	1330.7	1343.3	1363.6
7.5°	1373.7	1373.7	1368.6	1368.6	1361.1	1338.3	1330.7	1328.2	1330.7	1335.8	1363.6
10°	1411.6	1409.1	1396.5	1381.3	1371.2	1350.9	1333.2	1330.7	1333.2	1340.8	1371.2
12.5°	1452.1	1452.1	1447.1	1434.4	1406.6	1386.4	1356.0	1345.9	1343.3	1350.9	1368.6
15°	1533.1	1523.0	1502.7	1485.0	1464.8	1431.9	1391.4	1373.7	1368.6	1378.8	1371.2
17.5°	1581.1	1573.6	1576.1	1548.3	1530.6	1485.0	1444.5	1411.6	1409.1	1419.2	1386.4
20°	1634.3	1631.7	1636.8	1634.3	1606.4	1566.0	1502.7	1462.2	1457.2	1459.7	1409.1
22.5°	1715.2	1715.2	1712.7	1712.7	1697.5	1649.5	1578.6	1538.1	1530.6	1512.8	1447.1
25°	1803.8	1803.8	1803.8	1808.8	1808.8	1753.2	1682.3	1636.8	1631.7	1606.4	1510.3
27.5°	1887.3	1892.3	1894.8	1897.4	1905.0	1879.7	1801.2	1748.1	1745.6	1712.7	1593.8
30°	1953.0	1955.6	1978.3	1983.4	1998.6	1991.0	1915.1	1864.5	1869.5	1826.5	1687.4
32.5°	2011.2	2013.7	2046.6	2064.3	2082.1	2084.6	2021.3	1985.9	1985.9	1948.0	1801.2
35°	2066.9	2069.4	2109.9	2152.9	2188.3	2178.2	2142.8	2122.5	2130.1	2117.5	1958.1
37.5°	2114.9	2125.1	2178.2	2241.4	2281.9	2289.5	2274.3	2302.2	2317.3	2337.6	2170.6
40°	2160.5	2165.5	2216.1	2281.9	2350.2	2385.6	2403.3	2517.2	2532.4	2547.5	2292.0
42.5°	2117.5	2127.6	2236.4	2335.0	2421.1	2481.8	2565.3	2732.2	2765.1	2681.6	2456.5
45°	2066.9	2079.5	2188.3	2355.3	2476.7	2588.0	2742.3	2919.4	2944.7	2818.2	2545.0
47.5°	2023.9	2039.0	2150.4	2337.6	2534.9	2732.2	2886.5	3086.4	3101.6	2934.6	2666.4
50°	1975.8	1988.5	2107.4	2314.8	2565.3	2863.8	3038.3	3238.2	3243.3	3030.7	2729.7
52.5°	1912.6	1925.2	2046.6	2279.4	2588.0	2952.3	3164.8	3349.5	3329.3	3154.7	2803.1
55°	1831.6	1849.3	1980.9	2231.3	2600.7	3005.4	3250.8	3453.2	3443.1	3301.4	2899.2
57.5°	1745.6	1763.3	1897.4	2165.5	2588.0	3038.3	3339.4	3632.8	3630.3	3420.3	2970.0
60°	1649.5	1664.6	1778.5	2079.5	2519.7	3091.5	3534.2	3827.6	3847.9	3554.4	2997.9
62.5°	1523.0	1525.5	1639.3	1955.6	2431.2	3129.4	3673.3	4012.3	3999.7	3643.0	3002.9
65°	1356.0	1363.6	1464.8	1783.5	2287.0	3099.0	3708.7	4095.8	4095.8	3708.7	2997.9
67.5°	1194.1	1191.6	1277.6	1568.5	2064.3	2965.0	3678.4	4131.2	4148.9	3751.7	2932.1
70°	974.0	968.9	1034.7	1305.4	1745.6	2717.0	3600.0	4161.6	4159.1	3701.2	2792.9
72.5°	721.0	718.5	764.0	989.2	1335.8	2324.9	3367.2	3939.0	3913.7	3458.3	2522.2
75°	399.7	379.5	376.9	612.2	776.7	1629.2	2861.2	3473.5	3483.6	3056.0	2112.4
77.5°	58.2	60.7	63.2	111.3	134.1	609.7	1859.4	2618.4	2613.3	2357.8	1540.7
80°	40.5	43.0	45.5	55.7	63.2	144.2	642.6	1320.6	1396.5	1239.6	710.9
82.5°	30.4	30.4	32.9	37.9	35.4	65.8	199.9	366.8	379.5	344.1	210.0
85°	20.2	20.2	17.7	20.2	12.6	17.7	45.5	68.3	73.4	70.8	58.2
87.5°	10.1	10.1	7.6	7.6	5.1	5.1	5.1	2.5	5.1	2.5	5.1
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°	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2
2.5°	1368.6	1373.7	1388.9	1401.5	1416.7	1434.4	1444.5	1454.7	1464.8	1459.7	1467.3
5°	1373.7	1383.8	1406.6	1429.4	1442.0	1444.5	1447.1	1454.7	1469.8	1469.8	1482.5
7.5°	1378.8	1396.5	1396.5	1409.1	1426.8	1431.9	1434.4	1439.5	1447.1	1449.6	1447.1
10°	1378.8	1371.2	1383.8	1386.4	1378.8	1391.4	1399.0	1396.5	1404.1	1406.6	1406.6
12.5°	1363.6	1361.1	1350.9	1350.9	1348.4	1328.2	1328.2	1348.4	1348.4	1361.1	1363.6
15°	1363.6	1343.3	1330.7	1313.0	1295.3	1287.7	1277.6	1262.4	1267.4	1285.2	1290.2
17.5°	1361.1	1338.3	1300.3	1264.9	1252.3	1221.9	1211.8	1211.8	1209.3	1219.4	1221.9
20°	1371.2	1338.3	1280.1	1239.6	1171.3	1161.2	1141.0	1143.5	1146.0	1130.8	1123.2
22.5°	1399.0	1358.5	1264.9	1186.5	1133.4	1087.8	1049.9	1024.6	1022.1	1014.5	1022.1
25°	1442.0	1393.9	1267.4	1156.1	1070.1	1004.3	979.0	918.3	890.5	893.0	908.2
27.5°	1520.4	1436.9	1280.1	1123.2	1019.5	925.9	845.0	807.0	776.7	776.7	781.7
30°	1593.8	1502.7	1275.0	1095.4	941.1	824.7	721.0	660.3	650.2	640.0	637.5
32.5°	1730.4	1586.2	1325.6	1054.9	867.7	695.7	592.0	508.5	516.1	518.6	523.7
35°	1867.0	1720.3	1335.8	1004.3	761.5	566.7	457.9	412.4	432.6	437.7	442.7
37.5°	2049.2	1887.3	1404.1	958.8	652.7	435.1	364.3	344.1	364.3	364.3	366.8
40°	2147.8	1965.7	1459.7	913.3	511.0	321.3	285.9	270.7	296.0	316.2	321.3
42.5°	2287.0	2066.9	1510.3	822.2	361.8	240.3	220.1	250.5	290.9	311.2	313.7
45°	2357.8	2117.5	1492.6	700.8	237.8	194.8	215.0	253.0	293.5	313.7	316.2
47.5°	2453.9	2188.3	1457.2	559.1	189.7	192.3	217.6	260.6	301.1	318.8	321.3
50°	2547.5	2261.7	1366.1	445.3	182.1	192.3	222.6	263.1	298.5	311.2	308.6
52.5°	2600.7	2330.0	1249.7	339.0	182.1	194.8	227.7	268.2	296.0	298.5	298.5
55°	2648.7	2337.6	1153.6	263.1	179.6	197.3	232.7	273.2	298.5	298.5	293.5
57.5°	2679.1	2307.2	1080.2	227.7	179.6	197.3	232.7	273.2	311.2	318.8	311.2
60°	2666.4	2249.0	1029.6	212.5	174.6	194.8	230.2	280.8	382.0	399.7	384.5
62.5°	2636.1	2216.1	920.9	194.8	167.0	187.2	225.2	303.6	409.8	412.4	399.7
65°	2608.3	2107.4	789.3	174.6	156.8	179.6	217.6	308.6	346.6	333.9	331.4
67.5°	2481.8	1965.7	602.1	154.3	141.7	169.5	210.0	283.3	308.6	293.5	288.4
70°	2302.2	1717.8	402.2	131.6	126.5	156.8	210.0	265.6	275.8	250.5	240.3
72.5°	1973.3	1421.8	220.1	106.3	106.3	144.2	189.7	247.9	255.5	225.2	207.4
75°	1606.4	1029.6	141.7	81.0	81.0	121.4	172.0	235.3	250.5	217.6	194.8
77.5°	1105.5	564.2	98.7	58.2	53.1	93.6	136.6	192.3	222.6	187.2	159.4
80°	374.4	149.3	63.2	37.9	32.9	53.1	91.1	149.3	202.4	192.3	172.0
82.5°	146.7	93.6	43.0	25.3	22.8	25.3	45.5	93.6	161.9	174.6	202.4
85°	43.0	25.3	15.2	12.6	12.6	12.6	12.6	37.9	96.1	126.5	159.4
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	22.8	40.5	53.1
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)