

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: P690889

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690889
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-T3-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K 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: 6904 lumens
Efficiency: N/A
Efficacy: 115.1 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

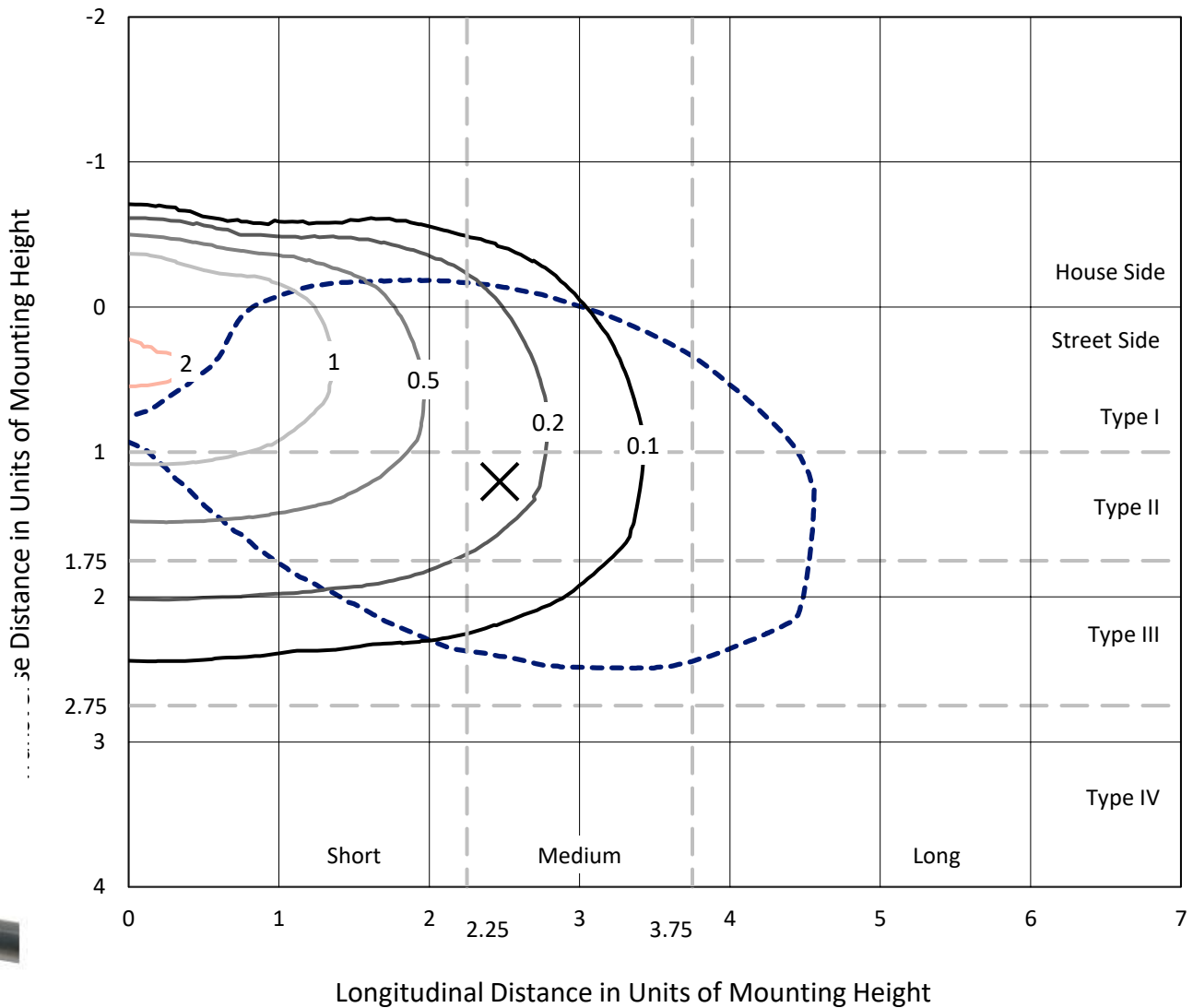


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

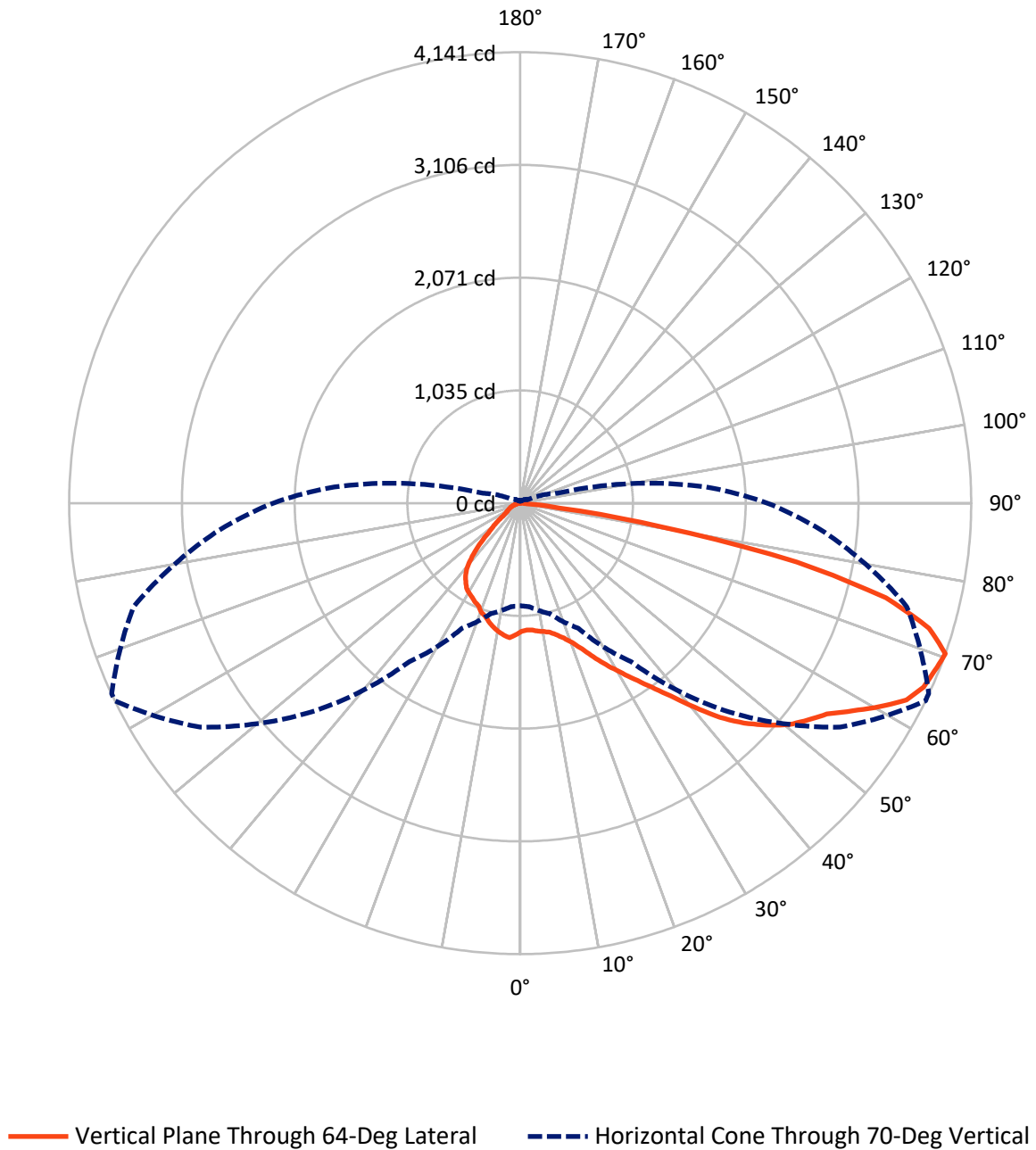


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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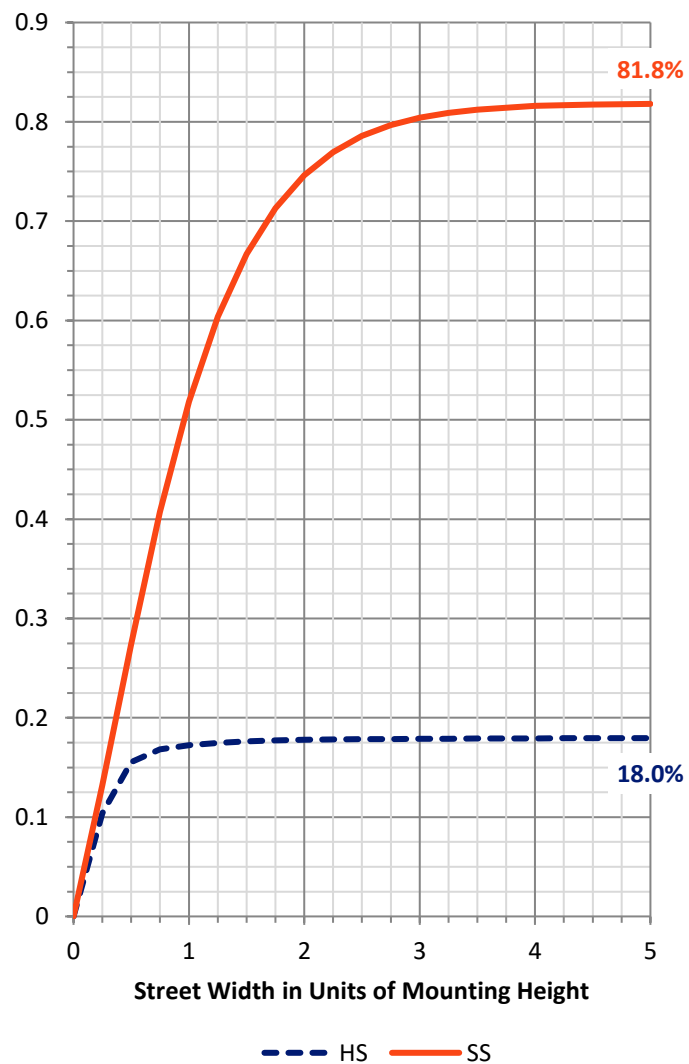
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1254.8	0.0	1254.8
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	5649.3	0.0	5649.3
	% Fixture	81.8	0.0	81.8
Total	Lumens	6904.0	0.0	6904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	1.7
10°-20°	339.9	4.9
20°-30°	572.6	8.3
30°-40°	842.7	12.2
40°-50°	1155.7	16.7
50°-60°	1406.2	20.4
60°-70°	1493.0	21.6
70°-80°	915.2	13.3
80°-90°	63.9	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°	6904.0	100.0
0°-180°	6904.0	100.0

Coefficient of Utilization



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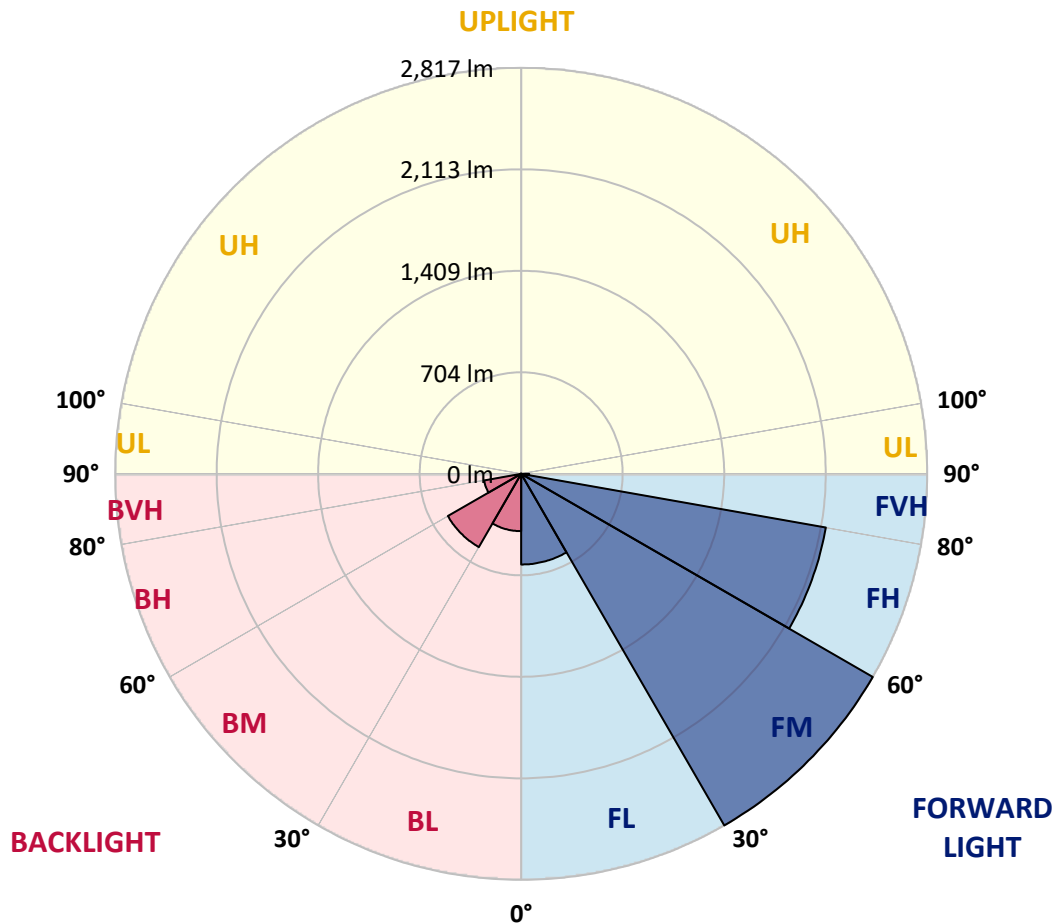
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	629.3	9.1			
FM	(30°-60°)	2817.3	40.8			
FH	(60°-80°)	2146.9	31.1			G2/5000
FVH	(80°-90°)	55.7	0.8			G1/100
BL	(0°-30°)	398.1	5.8	B1/500		
BM	(30°-60°)	587.3	8.5	B1/1000		
BH	(60°-80°)	261.2	3.8	B1/500		G1/500
BVH	(80°-90°)	8.2	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°	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9
2.5°	1166.2	1166.2	1168.7	1166.2	1171.3	1163.7	1166.2	1166.2	1166.2	1168.7	1176.3
5°	1201.6	1201.6	1196.6	1189.0	1181.4	1171.3	1171.3	1171.3	1171.3	1176.3	1194.0
7.5°	1224.4	1221.9	1221.9	1221.9	1214.3	1194.0	1189.0	1186.4	1186.4	1186.4	1204.2
10°	1280.0	1272.5	1262.3	1247.2	1239.6	1221.9	1201.6	1199.1	1199.1	1201.6	1224.4
12.5°	1333.2	1325.6	1325.6	1315.5	1285.1	1264.9	1229.5	1216.8	1216.8	1221.9	1234.5
15°	1421.7	1414.1	1393.9	1376.2	1348.4	1312.9	1277.5	1254.8	1252.2	1262.3	1244.6
17.5°	1485.0	1472.3	1474.8	1447.0	1424.2	1373.7	1338.2	1302.8	1302.8	1312.9	1277.5
20°	1545.7	1545.7	1548.2	1545.7	1507.7	1467.3	1409.1	1366.1	1368.6	1371.1	1315.5
22.5°	1636.7	1634.2	1634.2	1636.7	1611.4	1565.9	1502.7	1454.6	1452.1	1431.8	1363.5
25°	1743.0	1737.9	1727.8	1737.9	1725.3	1672.2	1611.4	1563.4	1555.8	1528.0	1434.4
27.5°	1831.5	1831.5	1831.5	1836.6	1836.6	1798.6	1730.3	1679.7	1684.8	1646.9	1517.8
30°	1894.8	1894.8	1917.5	1927.7	1935.3	1922.6	1849.2	1796.1	1806.2	1760.7	1621.6
32.5°	1963.1	1960.6	1990.9	2013.7	2023.8	2028.9	1968.1	1925.1	1927.7	1887.2	1740.5
35°	2026.3	2021.3	2061.7	2109.8	2135.1	2130.0	2087.0	2071.9	2076.9	2064.3	1902.4
37.5°	2071.9	2079.4	2132.6	2195.8	2236.3	2246.4	2218.6	2246.4	2274.2	2291.9	2112.3
40°	2122.5	2122.5	2173.0	2241.4	2304.6	2342.5	2362.8	2464.0	2486.7	2499.4	2236.3
42.5°	2071.9	2089.6	2195.8	2294.5	2378.0	2436.1	2519.6	2689.1	2714.4	2636.0	2400.7
45°	2028.9	2044.0	2150.3	2317.2	2438.7	2552.5	2704.3	2881.4	2906.7	2772.6	2494.3
47.5°	1985.8	2003.6	2114.9	2299.5	2494.3	2681.5	2853.5	3045.8	3058.5	2891.5	2618.3
50°	1937.8	1955.5	2071.9	2276.8	2527.2	2820.7	3000.3	3197.6	3200.1	2995.2	2681.5
52.5°	1877.1	1899.8	2016.2	2243.9	2555.0	2914.3	3131.8	3308.9	3293.7	3121.7	2757.4
55°	1801.2	1826.5	1955.5	2200.9	2570.2	2975.0	3217.8	3417.7	3407.6	3268.4	2856.1
57.5°	1715.2	1743.0	1877.1	2135.1	2565.2	3005.3	3306.4	3597.3	3602.4	3389.9	2929.4
60°	1616.5	1641.8	1768.3	2049.1	2499.4	3061.0	3496.1	3794.6	3812.3	3523.9	2959.8
62.5°	1487.5	1510.3	1631.7	1922.6	2415.9	3101.5	3640.3	3981.8	3974.2	3615.0	2969.9
65°	1325.6	1350.9	1464.7	1755.6	2284.4	3076.2	3685.8	4070.4	4070.4	3680.8	2962.3
67.5°	1161.2	1183.9	1280.0	1543.1	2071.9	2949.7	3658.0	4105.8	4128.5	3723.8	2894.0
70°	941.1	953.7	1049.8	1267.4	1775.9	2711.9	3587.2	4141.2	4138.7	3675.7	2765.0
72.5°	690.6	705.8	784.2	951.2	1373.7	2347.6	3364.6	3926.2	3885.7	3417.7	2514.6
75°	356.7	371.9	432.6	597.0	875.3	1657.0	2868.7	3468.3	3460.7	3025.6	2082.0
77.5°	48.1	48.1	55.7	98.7	202.4	660.3	1879.6	2598.0	2582.9	2307.1	1512.8
80°	32.9	32.9	37.9	45.5	58.2	144.2	662.8	1318.0	1340.8	1189.0	678.0
82.5°	25.3	22.8	27.8	32.9	35.4	65.8	202.4	364.3	369.3	331.4	207.4
85°	15.2	15.2	15.2	15.2	12.6	17.7	45.5	60.7	68.3	65.8	53.1
87.5°	7.6	7.6	7.6	5.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9	1178.9
2.5°	1178.9	1186.4	1196.6	1209.2	1221.9	1232.0	1242.1	1247.2	1252.2	1254.8	1257.3
5°	1199.1	1209.2	1221.9	1239.6	1239.6	1232.0	1226.9	1226.9	1232.0	1239.6	1242.1
7.5°	1219.3	1229.5	1224.4	1221.9	1224.4	1214.3	1201.6	1194.0	1189.0	1189.0	1194.0
10°	1226.9	1216.8	1211.7	1199.1	1173.8	1168.7	1158.6	1138.4	1133.3	1138.4	1120.7
12.5°	1221.9	1214.3	1189.0	1168.7	1143.4	1100.4	1075.1	1075.1	1062.5	1060.0	1062.5
15°	1234.5	1209.2	1178.9	1135.9	1090.3	1054.9	1014.4	979.0	968.9	971.4	971.4
17.5°	1244.6	1219.3	1158.6	1092.8	1052.4	989.1	943.6	923.4	905.6	903.1	903.1
20°	1267.4	1232.0	1146.0	1075.1	974.0	925.9	875.3	850.0	822.2	784.2	771.6
22.5°	1302.8	1254.8	1138.4	1027.1	938.5	862.6	789.3	713.4	667.9	637.5	645.1
25°	1350.9	1297.8	1146.0	1009.4	885.4	789.3	693.1	589.4	521.1	500.9	513.5
27.5°	1436.9	1345.8	1168.7	984.1	847.5	703.3	559.1	468.0	404.8	384.5	392.1
30°	1515.3	1419.2	1171.3	968.9	786.7	602.1	440.2	339.0	288.4	258.0	250.4
32.5°	1657.0	1497.6	1234.5	948.7	723.5	490.8	323.8	225.1	179.6	161.9	156.8
35°	1796.1	1636.7	1252.2	910.7	607.1	364.3	199.8	134.1	108.8	96.1	93.6
37.5°	1988.4	1806.2	1325.6	870.2	490.8	222.6	121.4	81.0	75.9	73.4	73.4
40°	2084.5	1894.8	1386.3	812.0	344.0	126.5	78.4	70.8	68.3	65.8	65.8
42.5°	2221.1	1996.0	1436.9	708.3	202.4	83.5	70.8	65.8	63.2	60.7	60.7
45°	2297.0	2049.1	1424.2	581.8	101.2	78.4	68.3	63.2	58.2	58.2	58.2
47.5°	2398.2	2127.5	1391.4	430.1	91.1	75.9	65.8	60.7	58.2	60.7	58.2
50°	2494.3	2203.4	1300.3	341.5	88.5	73.4	65.8	58.2	58.2	58.2	58.2
52.5°	2547.5	2274.2	1186.4	250.4	91.1	73.4	63.2	58.2	58.2	55.7	58.2
55°	2598.0	2284.4	1095.4	182.1	91.1	70.8	60.7	55.7	53.1	50.6	50.6
57.5°	2633.5	2261.6	1022.0	151.8	91.1	70.8	58.2	53.1	45.5	43.0	43.0
60°	2623.3	2205.9	961.3	139.1	86.0	65.8	53.1	45.5	40.5	35.4	35.4
62.5°	2595.5	2173.0	850.0	121.4	78.4	60.7	48.1	37.9	32.9	30.4	30.4
65°	2570.2	2069.3	721.0	108.8	73.4	53.1	40.5	32.9	27.8	25.3	25.3
67.5°	2448.8	1932.7	536.3	93.6	65.8	48.1	35.4	30.4	25.3	22.8	20.2
70°	2269.2	1712.6	351.6	81.0	58.2	40.5	30.4	25.3	20.2	17.7	17.7
72.5°	1963.1	1414.1	182.1	65.8	48.1	35.4	27.8	22.8	17.7	15.2	15.2
75°	1593.7	1039.7	108.8	50.6	37.9	30.4	22.8	17.7	15.2	12.6	12.6
77.5°	1103.0	574.3	78.4	37.9	25.3	22.8	17.7	15.2	12.6	10.1	10.1
80°	371.9	156.8	55.7	27.8	17.7	17.7	12.6	10.1	10.1	7.6	7.6
82.5°	146.7	96.1	37.9	20.2	15.2	12.6	10.1	7.6	7.6	7.6	7.6
85°	40.5	27.8	15.2	10.1	7.6	7.6	7.6	5.1	5.1	5.1	5.1
87.5°	2.5	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	2.5	2.5
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)