

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: P691593

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6148 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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



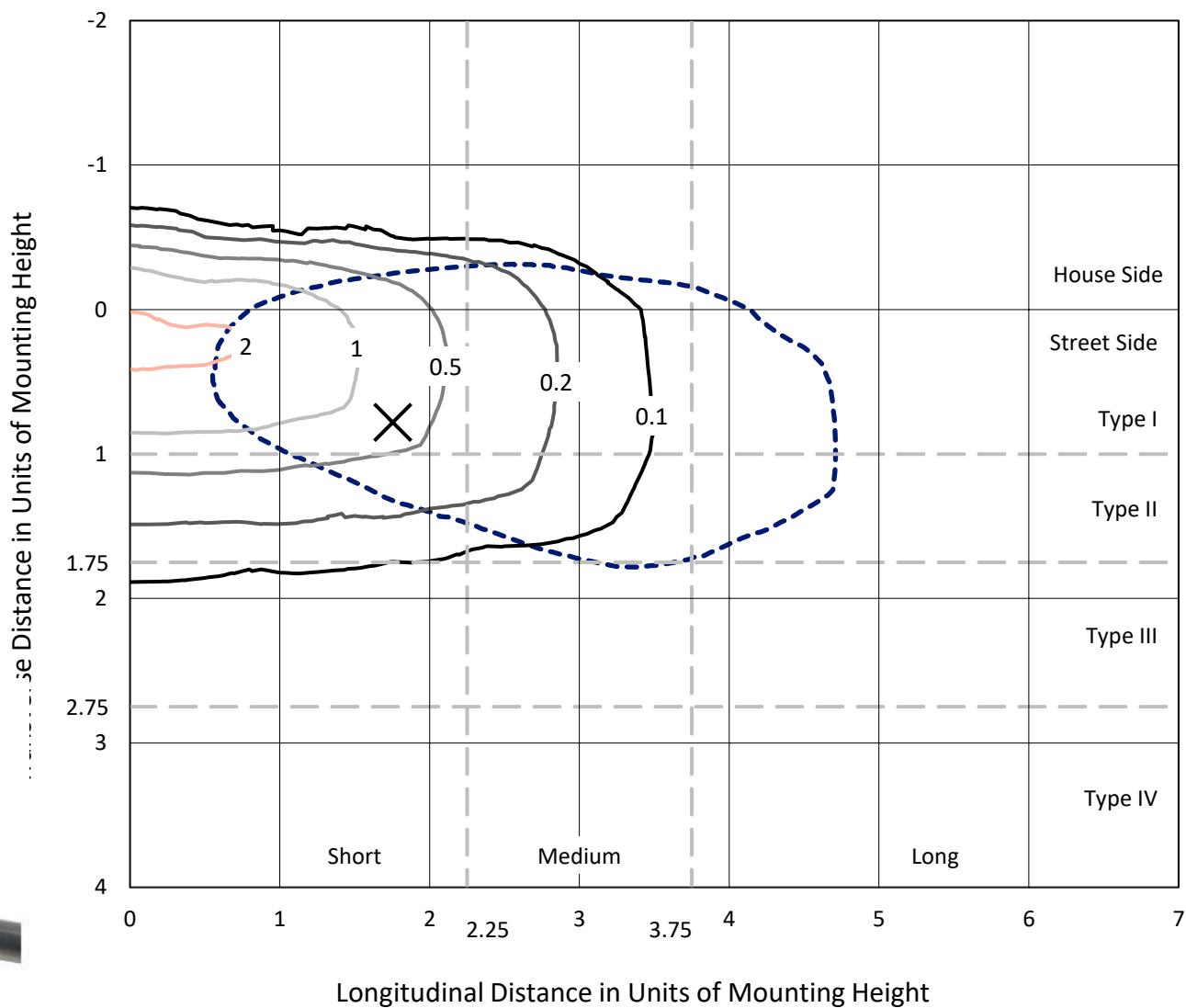
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

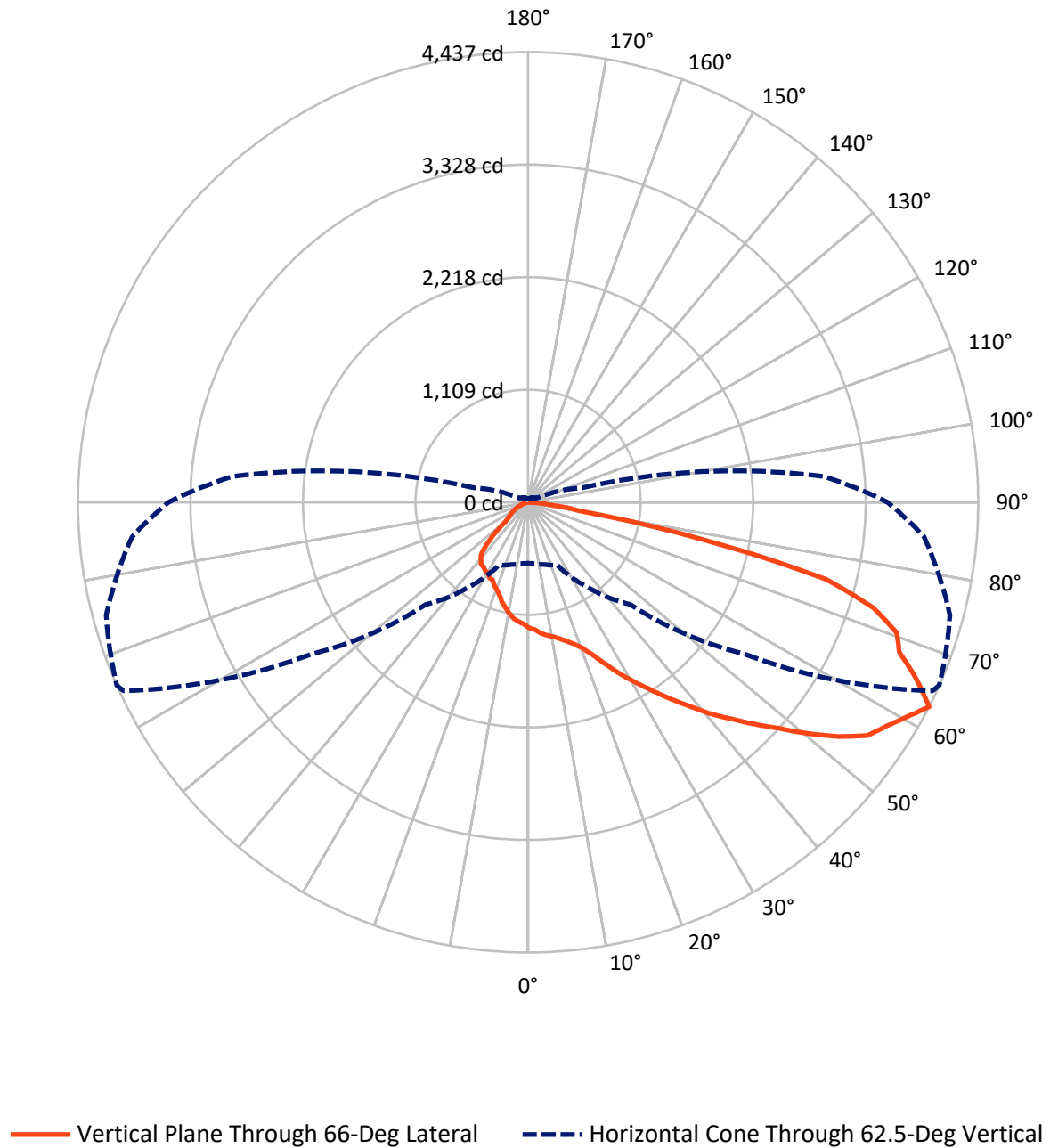


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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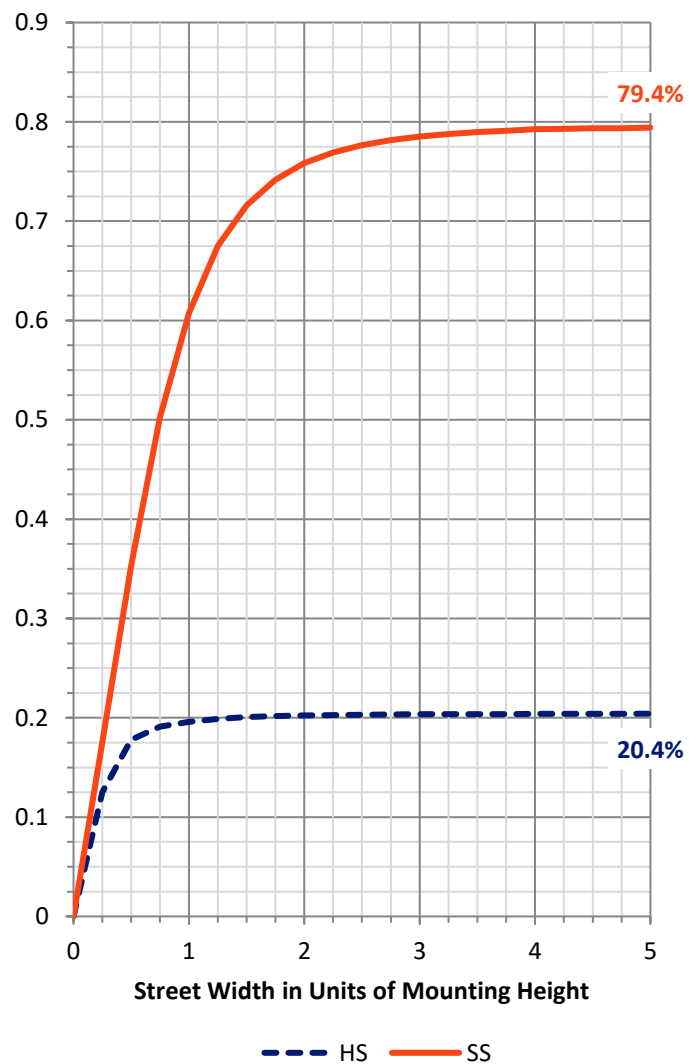
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1270.0	0.0	1270.0
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	4878.0	0.0	4878.0
	% Fixture	79.3	0.0	79.3
Total	Lumens	6148.0	0.0	6148.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	1.9
10°-20°	332.8	5.4
20°-30°	546.0	8.9
30°-40°	803.4	13.1
40°-50°	1059.5	17.2
50°-60°	1233.4	20.1
60°-70°	1225.6	19.9
70°-80°	758.2	12.3
80°-90°	72.5	1.2
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°	6148.0	100.0
0°-180°	6148.0	100.0

Coefficient of Utilization



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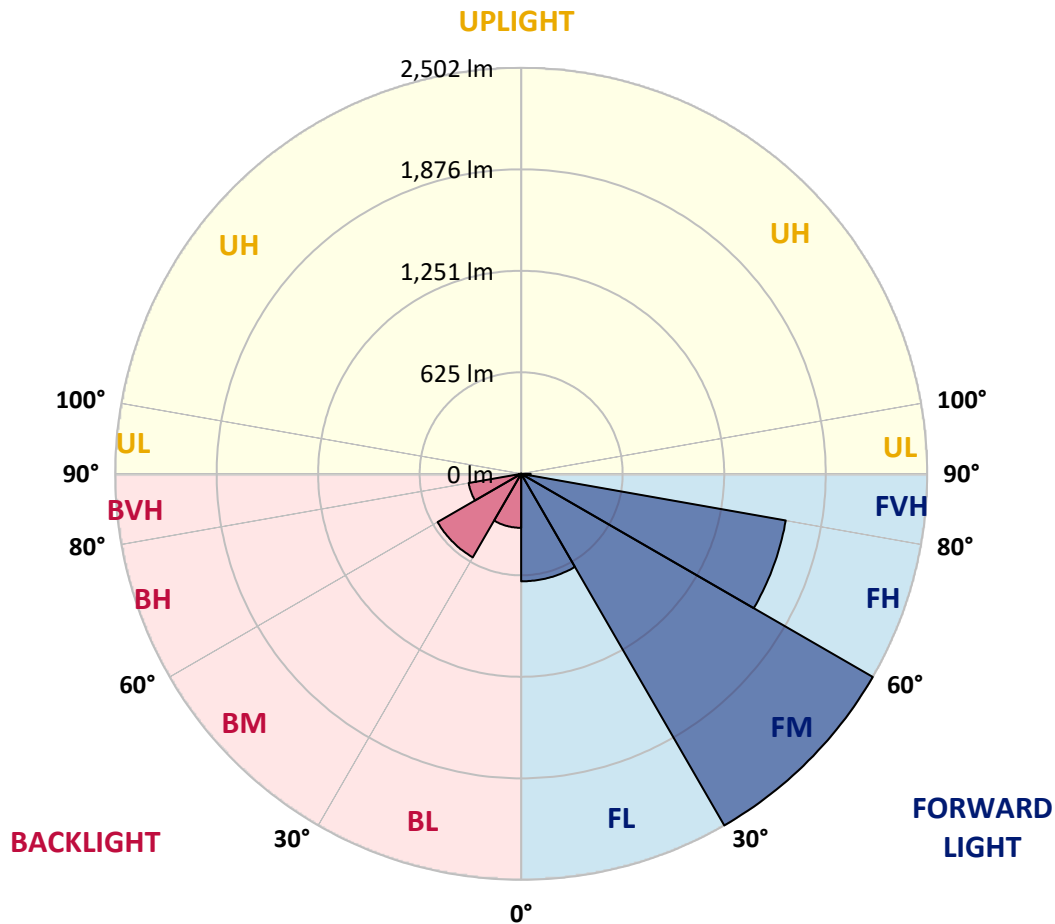
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	662.5	10.8			
FM	(30°-60°)	2501.6	40.7			
FH	(60°-80°)	1655.4	26.9			G1/1800
FVH	(80°-90°)	58.6	1.0			G1/100
BL	(0°-30°)	333.1	5.4	B1/500		
BM	(30°-60°)	594.7	9.7	B1/1000		
BH	(60°-80°)	328.3	5.3	B1/500		G1/500
BVH	(80°-90°)	13.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2
2.5°	1306.7	1306.7	1304.4	1288.2	1281.2	1271.9	1265.0	1258.0	1255.7	1248.8	1237.2
5°	1383.2	1380.8	1380.8	1366.9	1353.0	1334.5	1316.0	1297.4	1295.1	1276.6	1251.1
7.5°	1427.2	1427.2	1422.5	1413.3	1404.0	1392.4	1364.6	1325.2	1322.9	1297.4	1262.7
10°	1438.8	1441.1	1450.3	1427.2	1420.2	1408.6	1394.7	1353.0	1346.1	1309.0	1253.4
12.5°	1480.5	1480.5	1478.1	1457.3	1450.3	1441.1	1417.9	1385.5	1378.5	1332.2	1255.7
15°	1531.4	1533.7	1526.8	1508.3	1499.0	1487.4	1457.3	1422.5	1420.2	1360.0	1274.3
17.5°	1556.9	1556.9	1561.5	1536.1	1538.4	1533.7	1519.8	1471.2	1468.9	1413.3	1306.7
20°	1566.2	1568.5	1570.8	1570.8	1573.1	1568.5	1582.4	1540.7	1533.7	1471.2	1350.7
22.5°	1607.9	1612.5	1624.1	1617.2	1628.7	1635.7	1640.3	1642.6	1633.4	1568.5	1424.9
25°	1626.4	1638.0	1654.2	1679.7	1698.2	1712.1	1746.9	1763.1	1760.8	1705.2	1547.6
27.5°	1598.6	1612.5	1668.1	1712.1	1777.0	1814.1	1879.0	1899.8	1906.8	1855.8	1679.7
30°	1635.7	1640.3	1665.8	1721.4	1802.5	1913.7	2001.7	2048.1	2048.1	2008.7	1809.5
32.5°	1577.8	1591.7	1665.8	1767.7	1892.9	2013.3	2096.7	2196.4	2196.4	2177.8	1994.8
35°	1570.8	1577.8	1621.8	1735.3	1895.2	2115.3	2226.5	2344.6	2360.9	2363.2	2177.8
37.5°	1505.9	1519.8	1598.6	1744.6	1964.7	2177.8	2333.1	2516.1	2534.6	2560.1	2330.7
40°	1434.1	1438.8	1508.3	1661.2	1948.5	2258.9	2435.0	2708.4	2729.2	2764.0	2534.6
42.5°	1327.5	1346.1	1461.9	1628.7	1941.5	2284.4	2548.5	2889.1	2912.3	2960.9	2703.8
45°	1232.6	1239.5	1325.2	1510.6	1865.1	2321.5	2636.6	3102.2	3116.1	3146.3	2845.1
47.5°	1156.1	1160.7	1246.5	1406.3	1793.2	2312.2	2722.3	3294.5	3327.0	3373.3	3011.9
50°	926.7	952.2	1165.4	1320.6	1668.1	2296.0	2789.5	3535.5	3584.1	3602.7	3204.2
52.5°	790.0	794.7	905.9	1234.9	1538.4	2226.5	2854.3	3781.1	3836.7	3785.7	3435.9
55°	732.1	736.8	787.7	1063.4	1429.5	2092.1	2903.0	4017.4	4056.8	3931.7	3609.6
57.5°	695.1	704.3	727.5	864.2	1299.7	1867.4	2912.3	4147.1	4163.4	4047.5	3697.7
60°	644.1	644.1	690.4	755.3	1158.4	1626.4	2835.8	4212.0	4290.8	4179.6	3859.9
62.5°	600.1	604.7	634.8	683.5	1019.4	1422.5	2611.1	4397.4	4436.7	4304.7	3917.8
65°	549.1	553.7	581.5	630.2	926.7	1309.0	2490.6	4323.2	4207.4	4272.3	3989.6
67.5°	491.2	493.5	521.3	565.3	778.5	1207.1	2201.0	4040.6	3945.6	4119.3	3790.3
70°	433.2	433.2	456.4	491.2	634.8	1058.8	1818.7	3783.4	3855.2	3864.5	3593.4
72.5°	361.4	363.7	386.9	417.0	509.7	885.0	1438.8	3526.2	3558.7	3435.9	3160.2
75°	259.5	268.8	294.2	324.4	403.1	702.0	1021.7	2865.9	3035.1	3252.8	2715.3
77.5°	39.4	39.4	48.7	74.1	132.1	352.2	472.6	1582.4	1756.2	2722.3	2372.4
80°	32.4	32.4	34.8	48.7	76.5	196.9	152.9	495.8	532.9	1251.1	1336.8
82.5°	16.2	16.2	25.5	34.8	46.3	57.9	64.9	238.6	275.7	426.3	532.9
85°	9.3	9.3	11.6	16.2	18.5	18.5	20.9	113.5	118.2	231.7	241.0
87.5°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3
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°	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2
2.5°	1232.6	1225.6	1211.7	1200.1	1193.2	1179.3	1167.7	1158.4	1153.8	1165.4	1167.7
5°	1234.9	1218.7	1193.2	1177.0	1158.4	1135.3	1107.4	1091.2	1084.3	1086.6	1093.5
7.5°	1239.5	1216.3	1186.2	1151.5	1102.8	1056.5	1024.0	1005.5	996.2	1007.8	1007.8
10°	1225.6	1200.1	1158.4	1105.1	1042.6	996.2	959.2	926.7	915.2	919.8	922.1
12.5°	1225.6	1190.9	1121.4	1056.5	998.6	922.1	866.5	836.4	824.8	827.1	831.7
15°	1232.6	1186.2	1088.9	1010.1	924.4	843.3	794.7	757.6	746.0	734.4	739.1
17.5°	1255.7	1179.3	1072.7	947.6	852.6	776.1	709.0	667.2	658.0	658.0	660.3
20°	1278.9	1188.5	1044.9	901.3	787.7	692.7	623.2	593.1	572.3	563.0	572.3
22.5°	1327.5	1221.0	1026.4	871.1	720.5	630.2	565.3	498.1	461.1	444.8	449.5
25°	1415.6	1278.9	1040.3	817.8	683.5	572.3	481.9	400.8	349.8	333.6	338.3
27.5°	1552.3	1373.9	1056.5	813.2	616.3	514.3	391.5	303.5	264.1	247.9	252.5
30°	1686.7	1503.6	1109.8	766.9	590.8	421.7	296.6	234.0	194.6	178.4	183.0
32.5°	1802.5	1628.7	1177.0	755.3	523.6	317.4	222.4	173.8	143.6	129.7	132.1
35°	1973.9	1735.3	1234.9	720.5	444.8	238.6	162.2	125.1	108.9	104.3	104.3
37.5°	2126.9	1860.4	1290.5	709.0	333.6	178.4	115.8	101.9	99.6	92.7	92.7
40°	2286.7	1992.5	1316.0	667.2	243.3	125.1	95.0	95.0	92.7	85.7	85.7
42.5°	2474.4	2126.9	1339.1	618.6	173.8	95.0	88.0	90.4	88.0	81.1	78.8
45°	2608.8	2210.3	1346.1	495.8	120.5	90.4	83.4	85.7	83.4	78.8	76.5
47.5°	2731.6	2330.7	1316.0	347.5	97.3	85.7	81.1	81.1	81.1	74.1	71.8
50°	2859.0	2430.4	1290.5	187.7	95.0	83.4	76.5	74.1	76.5	71.8	69.5
52.5°	3028.1	2506.8	1223.3	127.4	92.7	81.1	74.1	69.5	71.8	67.2	69.5
55°	3252.8	2708.4	1100.5	120.5	92.7	78.8	71.8	64.9	64.9	62.6	62.6
57.5°	3354.8	2784.8	903.6	115.8	90.4	78.8	67.2	60.2	55.6	53.3	51.0
60°	3479.9	2896.0	697.4	106.6	83.4	74.1	60.2	53.3	46.3	44.0	44.0
62.5°	3544.8	2921.5	551.4	95.0	76.5	64.9	53.3	44.0	37.1	32.4	32.4
65°	3581.8	2907.6	384.6	85.7	67.2	57.9	46.3	37.1	27.8	25.5	23.2
67.5°	3456.7	2824.2	224.7	74.1	57.9	51.0	39.4	30.1	23.2	20.9	18.5
70°	3206.5	2569.4	141.3	64.9	51.0	44.0	34.8	25.5	18.5	16.2	16.2
72.5°	2937.8	2071.3	97.3	51.0	39.4	34.8	25.5	20.9	16.2	11.6	11.6
75°	2643.5	1797.9	71.8	37.1	27.8	25.5	20.9	16.2	13.9	9.3	9.3
77.5°	1874.3	1190.9	57.9	27.8	18.5	16.2	13.9	11.6	9.3	9.3	7.0
80°	1107.4	581.5	44.0	18.5	13.9	11.6	9.3	9.3	7.0	7.0	7.0
82.5°	414.7	222.4	30.1	13.9	9.3	9.3	7.0	7.0	4.6	4.6	4.6
85°	150.6	55.6	13.9	7.0	7.0	4.6	4.6	4.6	4.6	4.6	4.6
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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)