

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: P157114

Luminaire Tested: **UTLD-F03-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157114
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33670)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-SL4-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5691.5 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

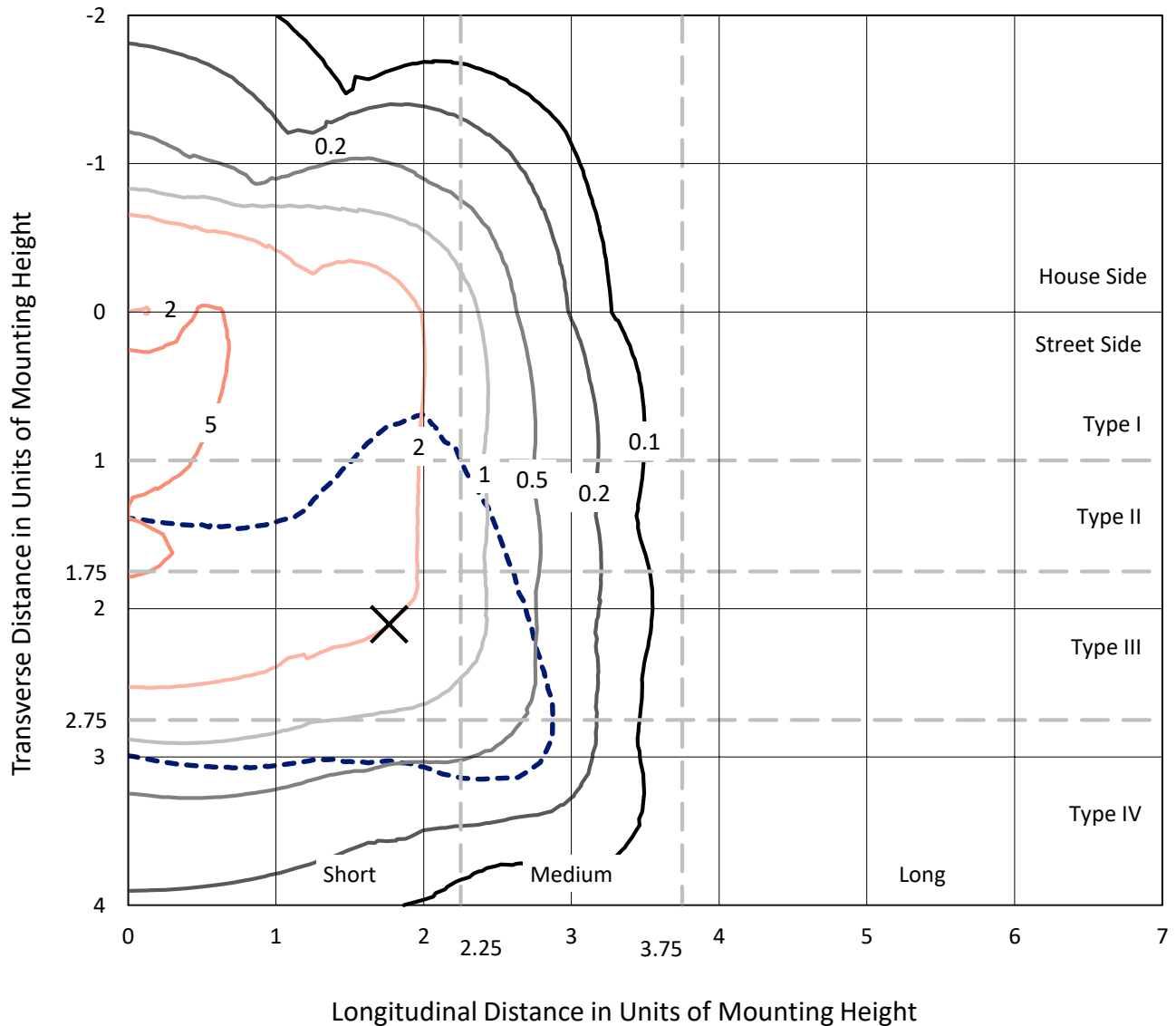
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

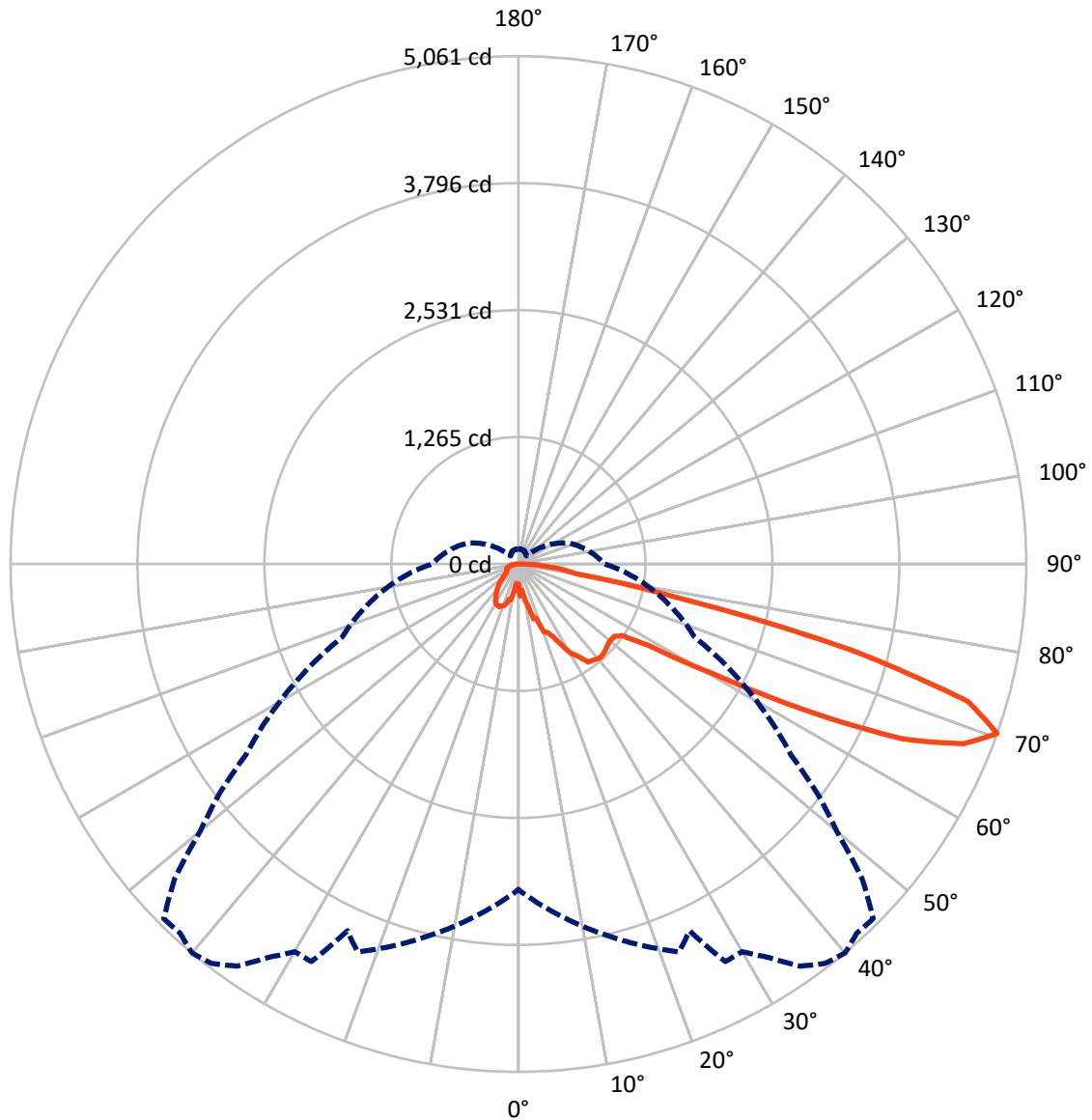
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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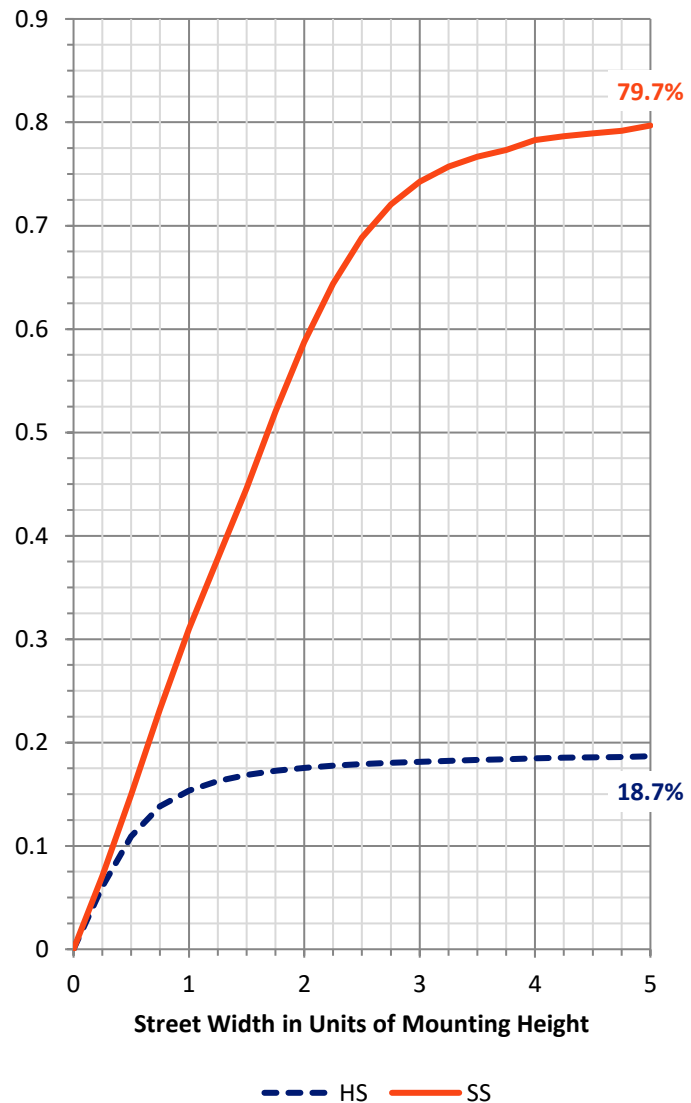
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1078.5	0.0	1078.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	4613.0	0.0	4613.0
	% Fixture	81.1	0.0	81.1
Total	Lumens	5691.5	0.0	5691.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.4
10°-20°	126.8	2.2
20°-30°	311.5	5.5
30°-40°	521.2	9.2
40°-50°	659.6	11.6
50°-60°	1023.7	18.0
60°-70°	1923.9	33.8
70°-80°	948.9	16.7
80°-90°	150.4	2.6
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°	5691.5	100.0
0°-180°	5691.5	100.0



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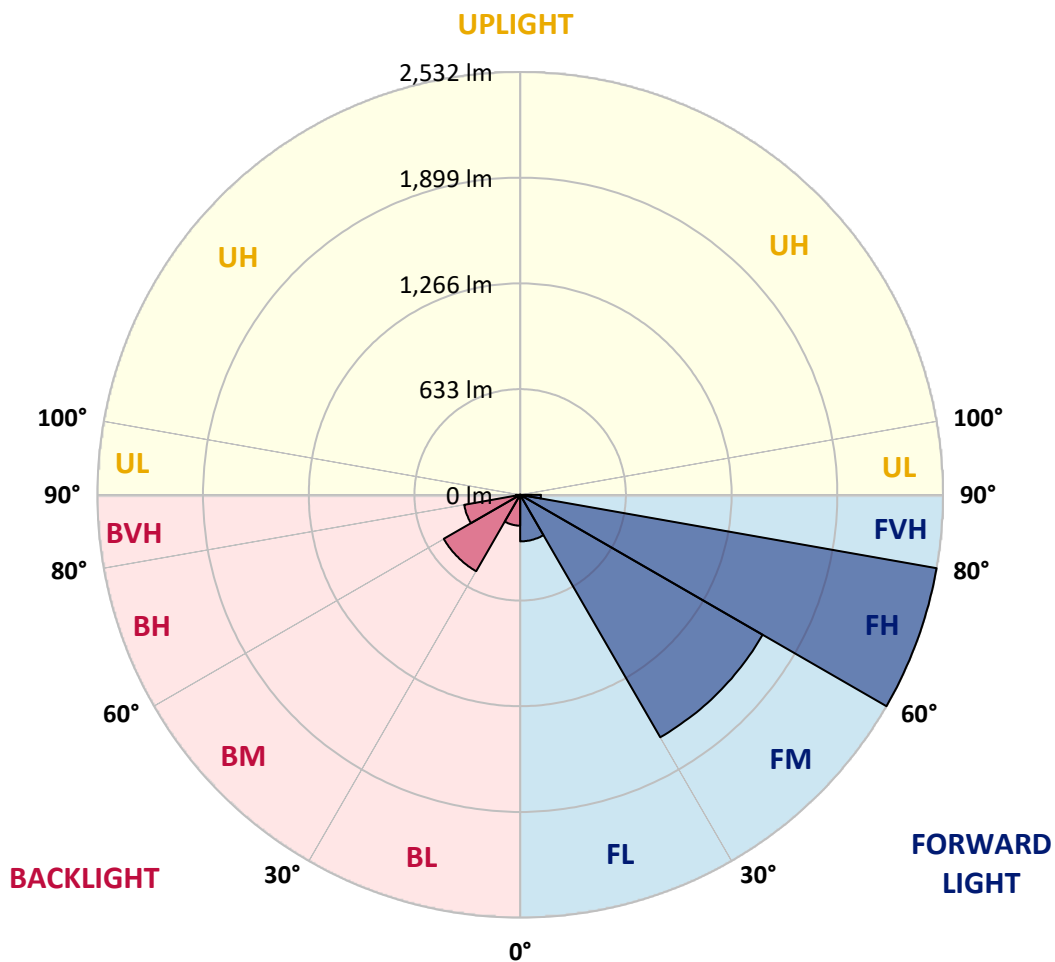
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.0	4.9			
FM	(30°-60°)	1676.7	29.5			
FH	(60°-80°)	2532.4	44.5			G2/5000
FVH	(80°-90°)	125.0	2.2			G2/225
BL	(0°-30°)	184.9	3.2	B1/500		
BM	(30°-60°)	527.8	9.3	B1/1000		
BH	(60°-80°)	340.3	6.0	B1/500		G1/500
BVH	(80°-90°)	25.4	0.4			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	197.9	197.9	197.9	197.9	197.9	197.9	197.9	197.9	197.9	197.9	197.9
2.5°	317.8	311.0	317.8	316.7	322.3	321.2	321.2	317.8	316.7	320.1	318.9
5°	266.9	268.0	262.4	256.7	260.1	260.1	260.1	257.9	256.7	261.3	264.7
7.5°	395.8	397.0	393.6	387.9	395.8	387.9	384.5	364.2	328.0	268.0	264.7
10°	400.4	399.2	391.3	386.8	387.9	387.9	385.7	382.3	367.6	368.7	375.5
12.5°	519.1	519.1	501.0	486.3	493.1	479.5	403.8	389.1	382.3	429.8	473.9
15°	554.2	525.9	508.9	486.3	494.2	499.9	576.8	582.5	594.9	567.8	563.2
17.5°	649.2	650.3	625.4	619.8	686.5	657.1	590.4	582.5	592.6	566.6	562.1
20°	766.8	764.5	687.6	791.7	706.9	702.3	685.4	678.6	705.7	719.3	644.7
22.5°	797.3	798.5	839.2	883.3	814.3	786.0	755.5	755.5	749.8	740.8	702.3
25°	979.4	981.7	869.7	926.3	850.5	884.4	869.7	839.2	815.4	800.7	783.8
27.5°	1072.2	1057.5	1017.9	1088.0	1043.9	1007.7	941.0	882.2	908.2	909.3	883.3
30°	1224.9	1223.7	1193.2	1190.9	1105.0	1060.9	1074.4	1037.1	1013.4	1032.6	955.7
32.5°	1461.2	1468.0	1269.0	1253.1	1223.7	1218.1	1169.4	1144.6	1092.5	1095.9	1030.3
35°	1728.2	1730.4	1443.1	1342.5	1359.5	1301.8	1222.6	1202.2	1159.3	1200.0	1107.2
37.5°	1834.5	1832.2	1591.3	1440.9	1414.9	1335.7	1298.4	1280.3	1227.1	1214.7	1135.5
40°	2008.6	2009.8	1686.3	1485.0	1498.6	1397.9	1366.2	1307.4	1233.9	1239.6	1148.0
42.5°	2066.3	2066.3	1714.6	1495.2	1525.7	1437.5	1373.0	1309.7	1245.2	1233.9	1160.4
45°	2090.1	2091.2	1701.0	1503.1	1491.8	1429.6	1356.1	1299.5	1232.8	1218.1	1150.2
47.5°	2086.7	2085.5	1677.3	1500.8	1478.2	1403.6	1356.1	1293.9	1219.2	1200.0	1137.8
50°	2061.8	2064.1	1670.5	1488.4	1495.2	1393.4	1357.2	1287.1	1219.2	1190.9	1136.6
52.5°	2087.8	2093.5	1701.0	1494.0	1528.0	1429.6	1369.6	1300.6	1237.3	1197.7	1149.1
55°	2663.5	2704.2	1882.0	1591.3	1659.2	1543.8	1444.3	1374.2	1302.9	1258.8	1216.9
57.5°	3786.6	3789.9	2623.9	2010.9	2145.5	1951.0	1771.1	1711.2	1583.4	1525.7	1509.9
60°	4211.8	4226.5	3520.8	2888.5	3166.8	2864.8	2649.9	2534.5	2361.5	2193.0	2156.8
62.5°	4465.1	4475.3	4001.4	3474.4	3857.8	3659.9	3536.6	3521.9	3350.0	3207.5	3132.8
65°	4635.9	4637.1	4343.0	3854.4	4272.9	4096.4	4123.6	4267.2	4226.5	4203.9	4108.9
67.5°	4443.7	4451.6	4517.2	4154.1	4564.7	4453.8	4591.8	4754.7	4770.5	4783.0	4684.6
70°	3240.3	3258.4	4185.8	4032.0	4466.3	4460.6	4649.5	4892.7	5018.2	5061.2	4991.1
72.5°	2053.9	2038.0	2769.8	2962.1	3265.2	3541.1	3897.4	4283.1	4606.5	4685.7	4625.7
75°	1436.4	1431.8	1494.0	1525.7	1775.7	1844.6	2207.7	2781.1	3197.3	3426.9	3437.1
77.5°	911.6	911.6	901.4	851.6	881.0	852.8	870.9	997.5	1231.6	1678.4	1771.1
80°	753.2	754.4	669.5	616.4	649.2	642.4	610.7	597.2	581.3	573.4	616.4
82.5°	507.8	499.9	567.8	522.5	539.5	532.7	520.3	505.6	482.9	441.1	403.8
85°	373.2	367.6	347.2	312.2	331.4	328.0	321.2	305.4	294.1	259.0	237.5
87.5°	280.5	278.2	253.3	203.6	214.9	201.3	182.1	162.9	149.3	127.8	112.0
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	197.9	197.9	197.9	197.9	197.9	197.9	197.9	197.9	197.9	197.9	197.9
2.5°	318.9	318.9	318.9	312.2	304.2	225.1	195.7	193.4	199.1	278.2	308.8
5°	261.3	256.7	255.6	255.6	257.9	304.2	191.1	195.7	276.0	193.4	192.3
7.5°	261.3	256.7	254.5	251.1	251.1	237.5	186.6	268.0	186.6	217.2	308.8
10°	375.5	364.2	361.9	366.4	357.4	342.7	272.6	285.0	260.1	307.6	308.8
12.5°	472.8	472.8	470.5	481.8	476.1	335.9	298.6	276.0	376.6	324.6	412.8
15°	508.9	471.6	479.5	477.3	467.1	487.5	368.7	348.3	357.4	377.8	398.1
17.5°	579.1	619.8	643.5	614.1	537.2	510.1	444.5	356.3	408.3	430.9	484.1
20°	623.2	617.5	634.5	608.5	575.7	585.9	532.7	518.0	444.5	427.5	444.5
22.5°	682.0	688.8	722.7	682.0	667.3	672.9	605.1	531.6	433.2	512.3	485.2
25°	756.6	781.5	799.6	779.3	723.8	795.1	676.3	628.8	469.4	454.7	493.1
27.5°	868.6	869.7	861.8	836.9	823.4	831.3	757.8	598.3	469.4	434.3	426.4
30°	931.9	942.1	977.2	918.4	899.1	903.7	767.9	646.9	473.9	380.0	401.5
32.5°	1057.5	1024.7	1004.3	934.2	974.9	907.1	853.9	676.3	454.7	354.0	356.3
35°	1083.5	1074.4	1085.8	986.2	990.7	986.2	827.9	688.8	420.7	309.9	281.6
37.5°	1138.9	1111.8	1094.8	1038.2	1054.1	963.6	830.1	682.0	397.0	255.6	228.5
40°	1148.0	1151.3	1140.0	1047.3	1063.1	936.5	812.1	669.5	371.0	207.0	210.4
42.5°	1172.8	1148.0	1127.6	1047.3	1065.4	925.1	826.8	659.4	334.8	178.7	196.8
45°	1162.7	1138.9	1116.3	1045.0	1055.2	927.4	842.6	650.3	297.5	167.4	196.8
47.5°	1150.2	1129.9	1101.6	1049.6	1054.1	946.6	873.1	645.8	252.2	166.3	197.9
50°	1153.6	1131.0	1103.8	1064.3	1063.1	962.5	904.8	669.5	203.6	167.4	195.7
52.5°	1167.2	1142.3	1111.8	1081.2	1077.8	1032.6	1073.3	691.0	165.1	167.4	192.3
55°	1249.7	1221.5	1205.6	1214.7	1211.3	1342.5	1561.9	714.8	142.5	166.3	187.7
57.5°	1591.3	1572.1	1583.4	1651.2	1667.1	1883.1	2010.9	746.5	133.5	164.0	183.2
60°	2281.2	2297.0	2256.3	2318.5	2285.7	2274.4	2208.8	807.5	127.8	160.6	178.7
62.5°	3183.7	3130.6	2985.8	2973.4	2852.4	2495.0	2234.8	823.4	124.4	157.2	173.0
65°	4110.0	3898.5	3602.2	3489.1	3274.2	2606.9	2109.3	765.7	122.1	154.9	165.1
67.5°	4724.1	4448.2	4042.2	3803.5	3481.2	2493.8	1624.1	662.8	118.8	150.4	156.1
70°	4999.0	4647.2	4138.3	3753.8	3316.1	1900.1	859.6	544.0	113.1	143.6	151.6
72.5°	4611.0	4271.8	3656.5	3180.3	2579.8	1178.5	437.7	389.1	105.2	132.3	150.4
75°	3288.9	2912.3	2278.9	1853.7	1392.2	535.0	247.7	184.4	93.9	119.9	148.2
77.5°	1645.6	1319.9	922.9	730.6	573.4	277.1	109.7	91.6	81.4	106.3	124.4
80°	583.6	539.5	492.0	468.2	403.8	148.2	76.9	73.5	71.3	88.2	90.5
82.5°	385.7	359.7	330.2	309.9	248.8	102.9	59.9	63.3	58.8	72.4	62.2
85°	221.7	210.4	187.7	165.1	134.6	78.0	50.9	54.3	40.7	55.4	39.6
87.5°	104.1	98.4	92.7	86.0	76.9	56.5	28.3	50.9	26.0	35.1	20.4
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)