

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: P157113

Luminaire Tested: **UTLD-F03-LED-E-U-SL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157113
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-SL4-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5259.3 lumens
Efficiency: N/A
Efficacy: 67.2 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

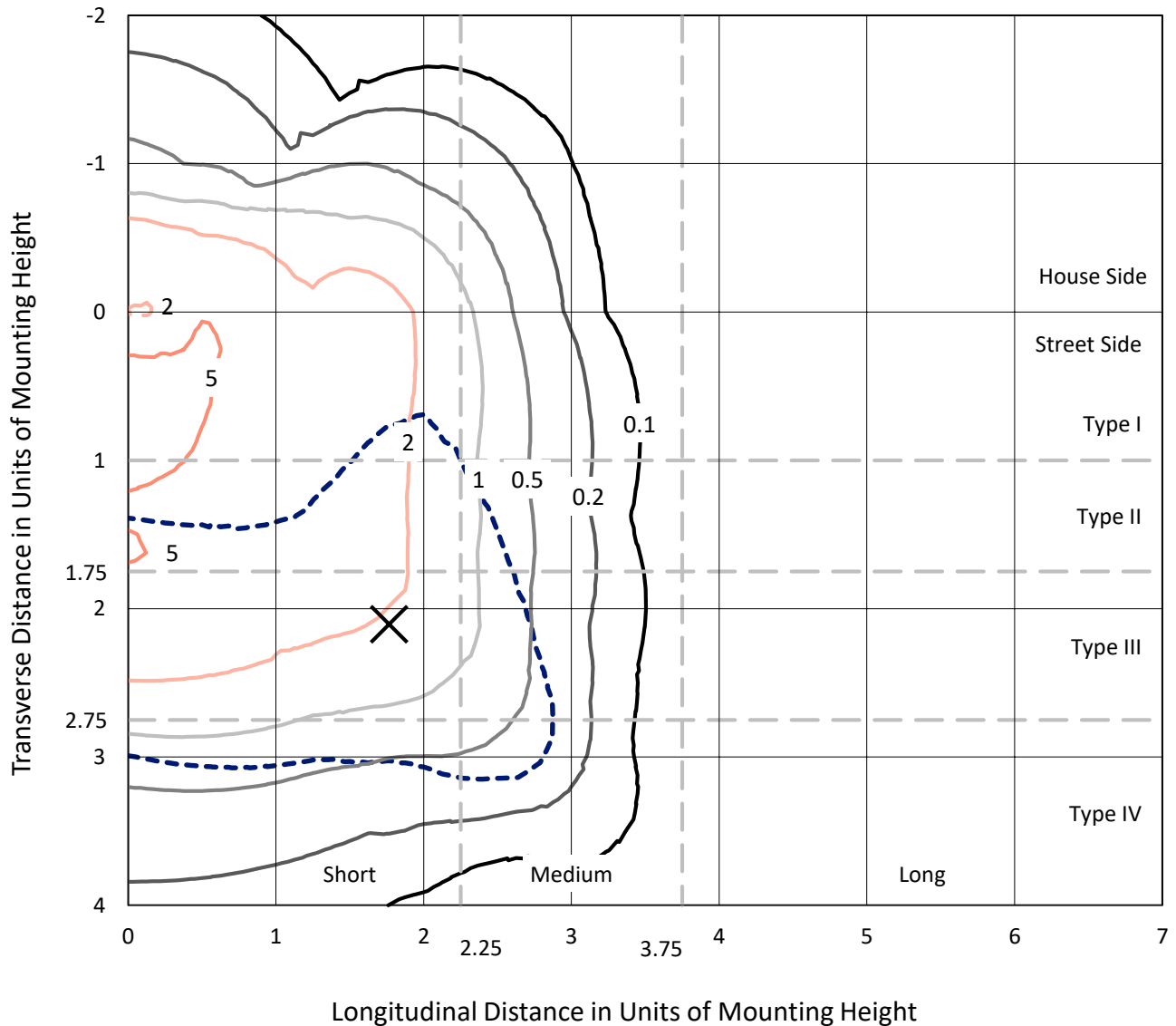
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P157113
 CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-8030

Iso-Footcandle Lines of Horizontal Illumination

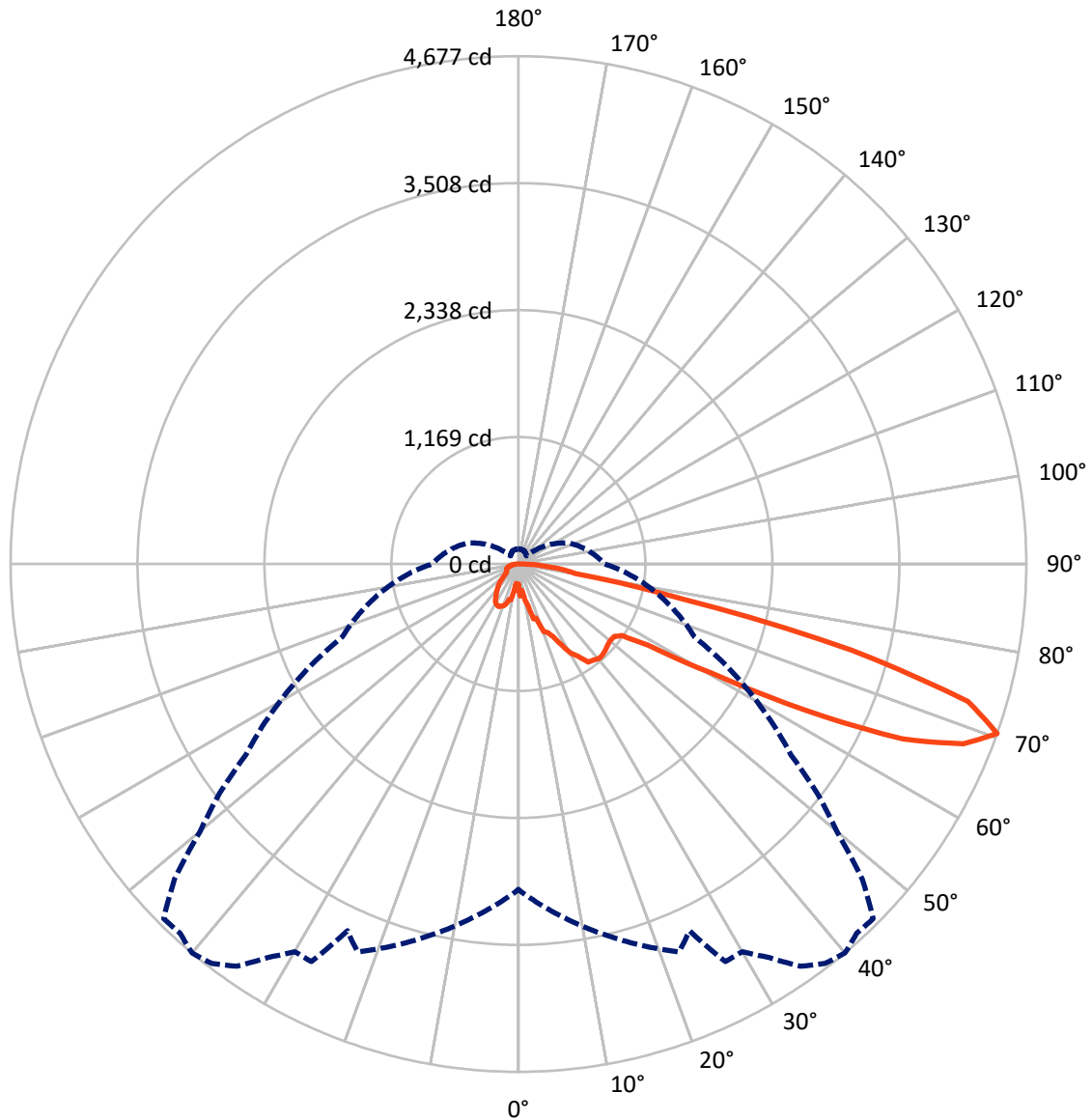
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P157113
CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P157113

CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-8030

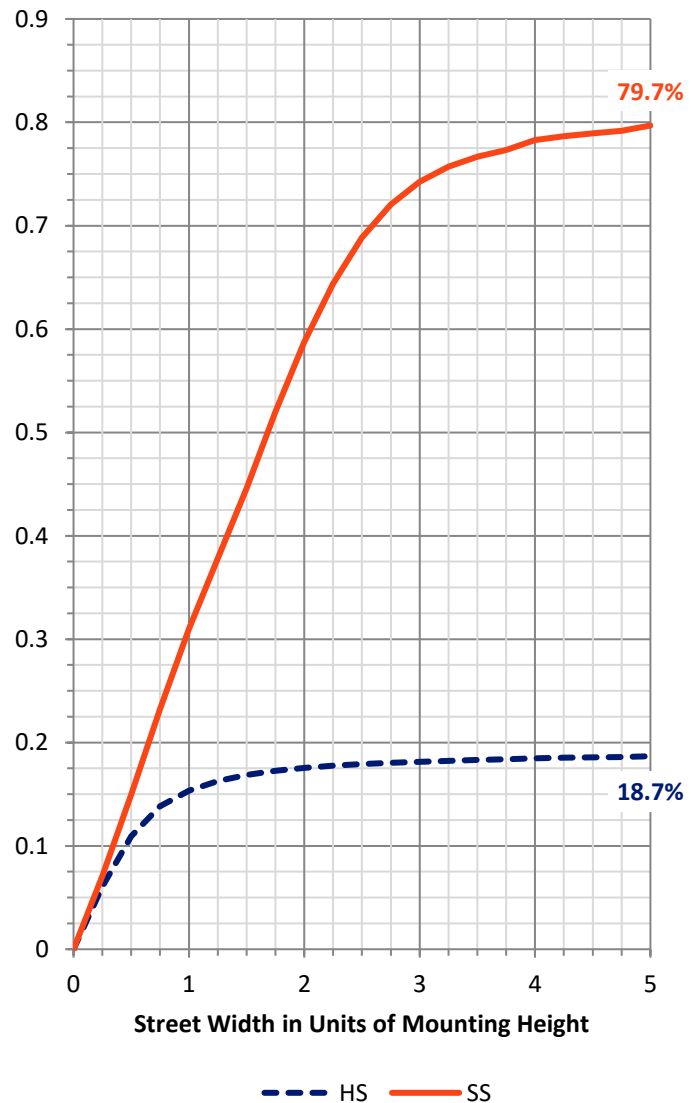
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	996.6	0.0	996.6
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	4262.7	0.0	4262.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	5259.3	0.0	5259.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.4
10°-20°	117.2	2.2
20°-30°	287.8	5.5
30°-40°	481.7	9.2
40°-50°	609.5	11.6
50°-60°	945.9	18.0
60°-70°	1777.8	33.8
70°-80°	876.8	16.7
80°-90°	138.9	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°	5259.3	100.0
0°-180°	5259.3	100.0



REPORT NUMBER: P157113

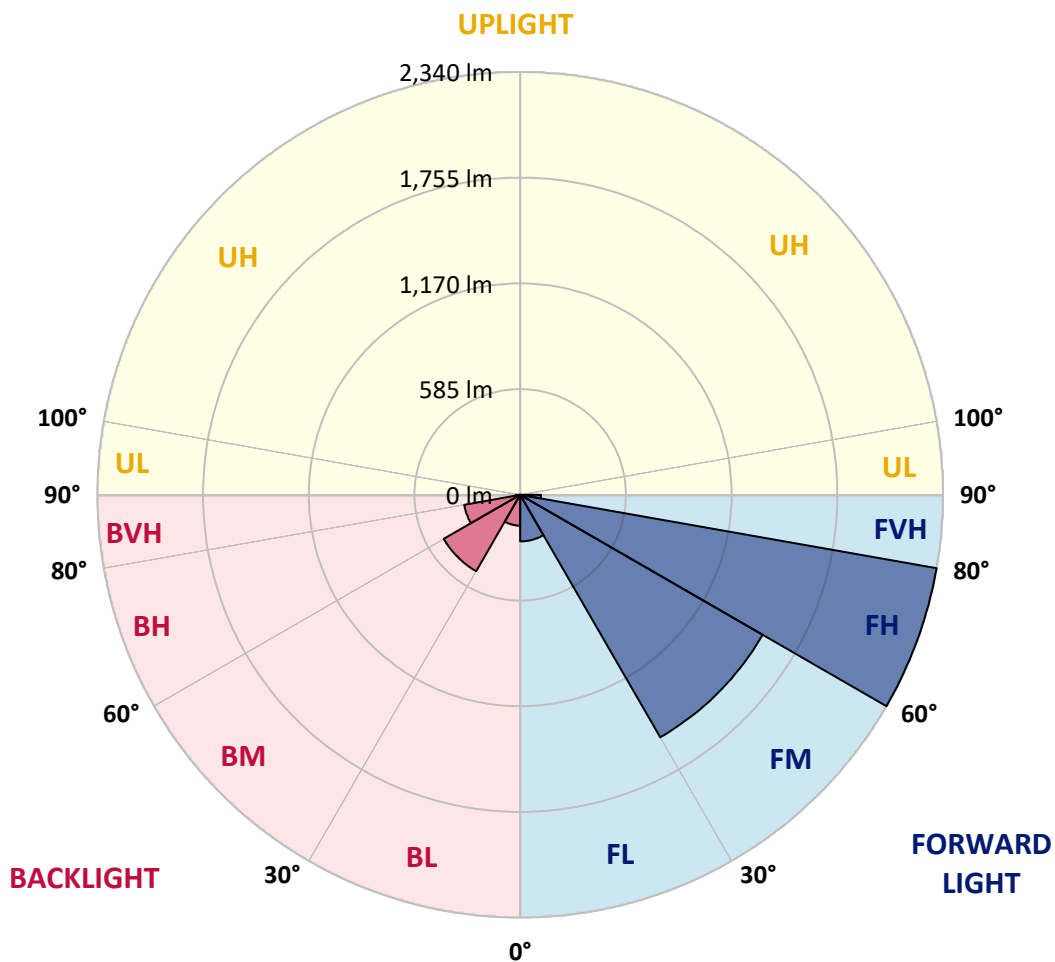
CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.8	4.9			
FM	(30°-60°)	1549.3	29.5			
FH	(60°-80°)	2340.1	44.5			G2/5000
FVH	(80°-90°)	115.5	2.2			G2/225
BL	(0°-30°)	170.9	3.2	B1/500		
BM	(30°-60°)	487.8	9.3	B1/1000		
BH	(60°-80°)	314.5	6.0	B1/500		G1/500
BVH	(80°-90°)	23.5	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





REPORT NUMBER: P157113
 CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-8030

CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9
2.5°	293.7	287.4	293.7	292.6	297.9	296.8	296.8	293.7	292.6	295.8	294.7
5°	246.6	247.7	242.5	237.2	240.4	240.4	240.4	238.3	237.2	241.4	244.6
7.5°	365.8	366.8	363.7	358.5	365.8	358.5	355.3	336.5	303.1	247.7	244.6
10°	370.0	368.9	361.6	357.4	358.5	358.5	356.4	353.2	339.7	340.7	347.0
12.5°	479.7	479.7	463.0	449.4	455.7	443.1	373.1	359.5	353.2	397.1	437.9
15°	512.1	486.0	470.3	449.4	456.7	461.9	533.0	538.2	549.7	524.6	520.5
17.5°	599.9	600.9	577.9	572.7	634.4	607.2	545.5	538.2	547.6	523.6	519.4
20°	708.6	706.5	635.4	731.6	653.2	649.0	633.3	627.1	652.1	664.7	595.7
22.5°	736.8	737.8	775.5	816.2	752.5	726.3	698.1	698.1	692.9	684.5	649.0
25°	905.1	907.1	803.7	855.9	785.9	817.3	803.7	775.5	753.5	739.9	724.3
27.5°	990.8	977.2	940.6	1005.4	964.6	931.2	869.5	815.2	839.2	840.3	816.2
30°	1131.8	1130.8	1102.6	1100.5	1021.1	980.3	992.8	958.4	936.4	954.2	883.1
32.5°	1350.3	1356.5	1172.6	1158.0	1130.8	1125.6	1080.6	1057.6	1009.6	1012.7	952.1
35°	1596.9	1599.0	1333.6	1240.5	1256.2	1202.9	1129.8	1110.9	1071.2	1108.9	1023.2
37.5°	1695.2	1693.1	1470.5	1331.5	1307.4	1234.3	1199.8	1183.1	1133.9	1122.4	1049.3
40°	1856.1	1857.1	1558.2	1372.2	1384.8	1291.7	1262.5	1208.1	1140.2	1145.4	1060.8
42.5°	1909.4	1909.4	1584.4	1381.6	1409.8	1328.3	1268.8	1210.2	1150.7	1140.2	1072.3
45°	1931.4	1932.4	1571.8	1388.9	1378.5	1321.0	1253.1	1200.8	1139.2	1125.6	1062.9
47.5°	1928.2	1927.2	1549.9	1386.9	1366.0	1297.0	1253.1	1195.6	1126.6	1108.9	1051.4
50°	1905.2	1907.3	1543.6	1375.4	1381.6	1287.6	1254.1	1189.3	1126.6	1100.5	1050.3
52.5°	1929.3	1934.5	1571.8	1380.6	1411.9	1321.0	1265.6	1201.9	1143.3	1106.8	1061.8
55°	2461.2	2498.8	1739.1	1470.5	1533.2	1426.6	1334.6	1269.8	1204.0	1163.2	1124.5
57.5°	3499.0	3502.1	2424.6	1858.2	1982.6	1802.8	1636.6	1581.2	1463.1	1409.8	1395.2
60°	3892.0	3905.6	3253.4	2669.2	2926.3	2647.2	2448.7	2342.1	2182.2	2026.5	1993.0
62.5°	4126.1	4135.5	3697.6	3210.6	3564.8	3382.0	3268.0	3254.5	3095.6	2963.9	2894.9
65°	4283.9	4284.9	4013.2	3561.7	3948.4	3785.4	3810.4	3943.2	3905.6	3884.6	3796.9
67.5°	4106.2	4113.5	4174.1	3838.7	4218.0	4115.6	4243.1	4393.6	4408.2	4419.7	4328.8
70°	2994.2	3010.9	3867.9	3725.8	4127.1	4121.9	4296.4	4521.1	4637.1	4676.8	4612.0
72.5°	1897.9	1883.3	2559.5	2737.1	3017.2	3272.2	3601.4	3957.8	4256.7	4329.9	4274.5
75°	1327.3	1323.1	1380.6	1409.8	1640.8	1704.6	2040.0	2569.9	2954.5	3166.7	3176.1
77.5°	842.4	842.4	832.9	787.0	814.1	788.0	804.7	921.8	1138.1	1550.9	1636.6
80°	696.0	697.1	618.7	569.6	599.9	593.6	564.4	551.8	537.2	529.9	569.6
82.5°	469.3	461.9	524.6	482.8	498.5	492.2	480.7	467.2	446.3	407.6	373.1
85°	344.9	339.7	320.8	288.4	306.2	303.1	296.8	282.2	271.7	239.3	219.5
87.5°	259.2	257.1	234.1	188.1	198.6	186.0	168.3	150.5	138.0	118.1	103.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P157113
 CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-8030

CANDELA DISTRIBUTION (continued):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9
2.5°	294.7	294.7	294.7	288.4	281.1	208.0	180.8	178.7	183.9	257.1	285.3
5°	241.4	237.2	236.2	236.2	238.3	281.1	176.6	180.8	255.0	178.7	177.7
7.5°	241.4	237.2	235.1	232.0	232.0	219.5	172.4	247.7	172.4	200.7	285.3
10°	347.0	336.5	334.4	338.6	330.3	316.7	251.9	263.4	240.4	284.3	285.3
12.5°	436.9	436.9	434.8	445.2	440.0	310.4	275.9	255.0	348.0	299.9	381.5
15°	470.3	435.8	443.1	441.0	431.6	450.4	340.7	321.9	330.3	349.1	367.9
17.5°	535.1	572.7	594.7	567.5	496.4	471.3	410.7	329.2	377.3	398.2	447.3
20°	575.9	570.6	586.3	562.3	532.0	541.4	492.2	478.7	410.7	395.0	410.7
22.5°	630.2	636.5	667.8	630.2	616.6	621.8	559.1	491.2	400.3	473.4	448.3
25°	699.2	722.2	738.9	720.1	668.9	734.7	625.0	581.1	433.7	420.1	455.7
27.5°	802.6	803.7	796.4	773.4	760.8	768.2	700.2	552.9	433.7	401.3	394.0
30°	861.2	870.6	903.0	848.6	830.9	835.0	709.6	597.8	437.9	351.2	371.0
32.5°	977.2	946.9	928.1	863.3	900.9	838.2	789.1	625.0	420.1	327.1	329.2
35°	1001.2	992.8	1003.3	911.3	915.5	911.3	765.0	636.5	388.8	286.4	260.2
37.5°	1052.4	1027.3	1011.7	959.4	974.0	890.4	767.1	630.2	366.8	236.2	211.1
40°	1060.8	1063.9	1053.5	967.8	982.4	865.3	750.4	618.7	342.8	191.3	194.4
42.5°	1083.8	1060.8	1042.0	967.8	984.5	854.9	764.0	609.3	309.4	165.1	181.8
45°	1074.4	1052.4	1031.5	965.7	975.1	857.0	778.6	600.9	274.9	154.7	181.8
47.5°	1062.9	1044.1	1017.9	969.9	974.0	874.8	806.8	596.8	233.1	153.6	182.9
50°	1066.0	1045.1	1020.0	983.4	982.4	889.4	836.1	618.7	188.1	154.7	180.8
52.5°	1078.5	1055.6	1027.3	999.1	996.0	954.2	991.8	638.6	152.6	154.7	177.7
55°	1154.8	1128.7	1114.1	1122.4	1119.3	1240.5	1443.3	660.5	131.7	153.6	173.5
57.5°	1470.5	1452.7	1463.1	1525.9	1540.5	1740.1	1858.2	689.8	123.3	151.5	169.3
60°	2108.0	2122.6	2085.0	2142.5	2112.2	2101.7	2041.1	746.2	118.1	148.4	165.1
62.5°	2942.0	2892.8	2759.1	2747.6	2635.8	2305.5	2065.1	760.8	115.0	145.3	159.9
65°	3797.9	3602.5	3328.7	3224.1	3025.6	2409.0	1949.1	707.5	112.9	143.2	152.6
67.5°	4365.4	4110.4	3735.2	3514.7	3216.8	2304.5	1500.8	612.4	109.7	139.0	144.2
70°	4619.4	4294.3	3824.0	3468.7	3064.2	1755.8	794.3	502.7	104.5	132.7	140.0
72.5°	4260.9	3947.4	3378.8	2938.8	2383.9	1089.0	404.5	359.5	97.2	122.3	139.0
75°	3039.2	2691.1	2105.9	1712.9	1286.5	494.3	228.9	170.4	86.7	110.8	136.9
77.5°	1520.6	1219.6	852.8	675.1	529.9	256.1	101.4	84.7	75.2	98.2	115.0
80°	539.3	498.5	454.6	432.7	373.1	136.9	71.1	67.9	65.8	81.5	83.6
82.5°	356.4	332.3	305.2	286.4	229.9	95.1	55.4	58.5	54.3	66.9	57.5
85°	204.8	194.4	173.5	152.6	124.4	72.1	47.0	50.2	37.6	51.2	36.6
87.5°	96.1	90.9	85.7	79.4	71.1	52.3	26.1	47.0	24.0	32.4	18.8
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)