

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: P157096

Luminaire Tested: **UTLD-F01-LED-E-U-SL4-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157096
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-F01-LED-E-U-SL4-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2131.4 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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: 28.75 FT

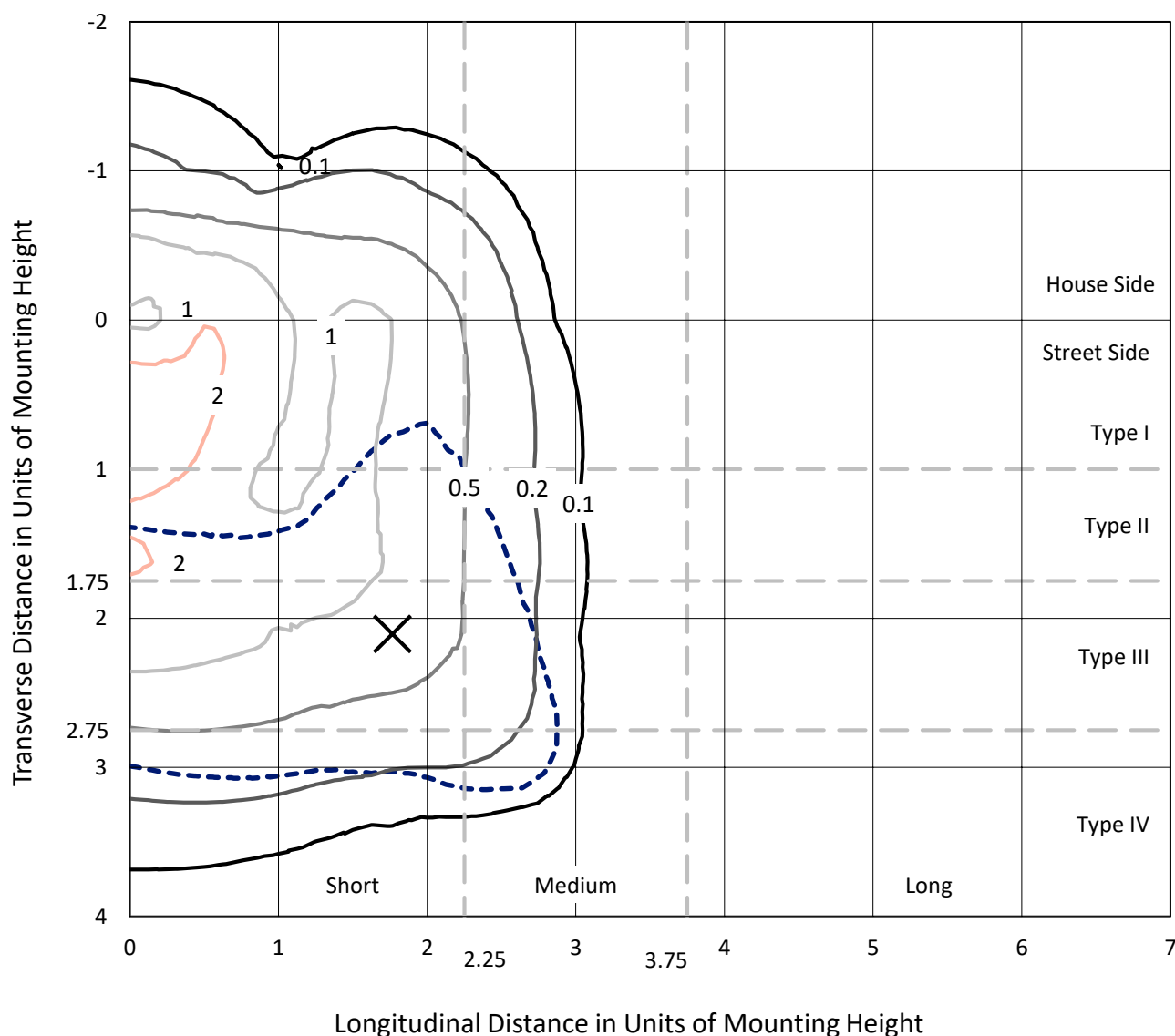


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

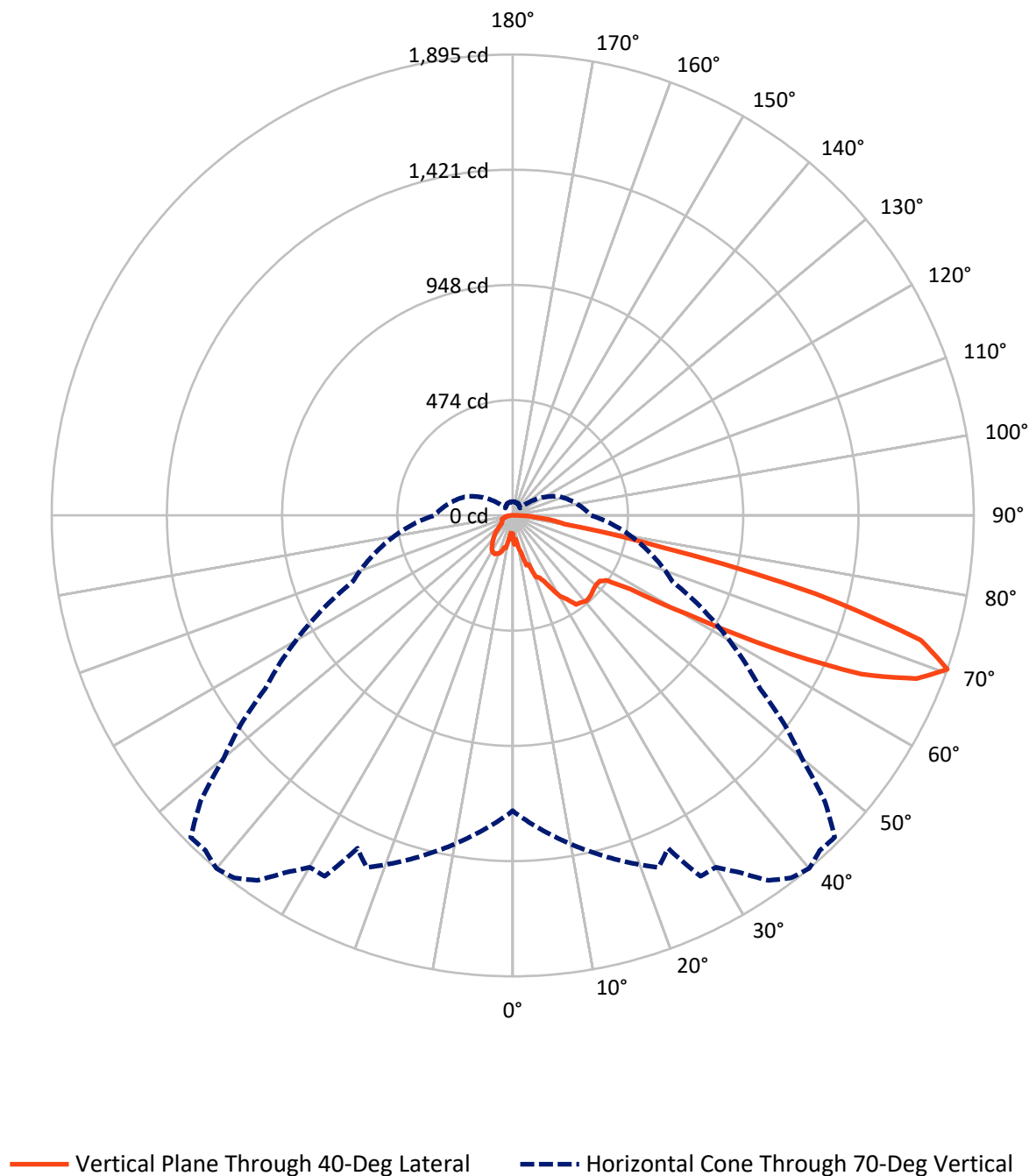


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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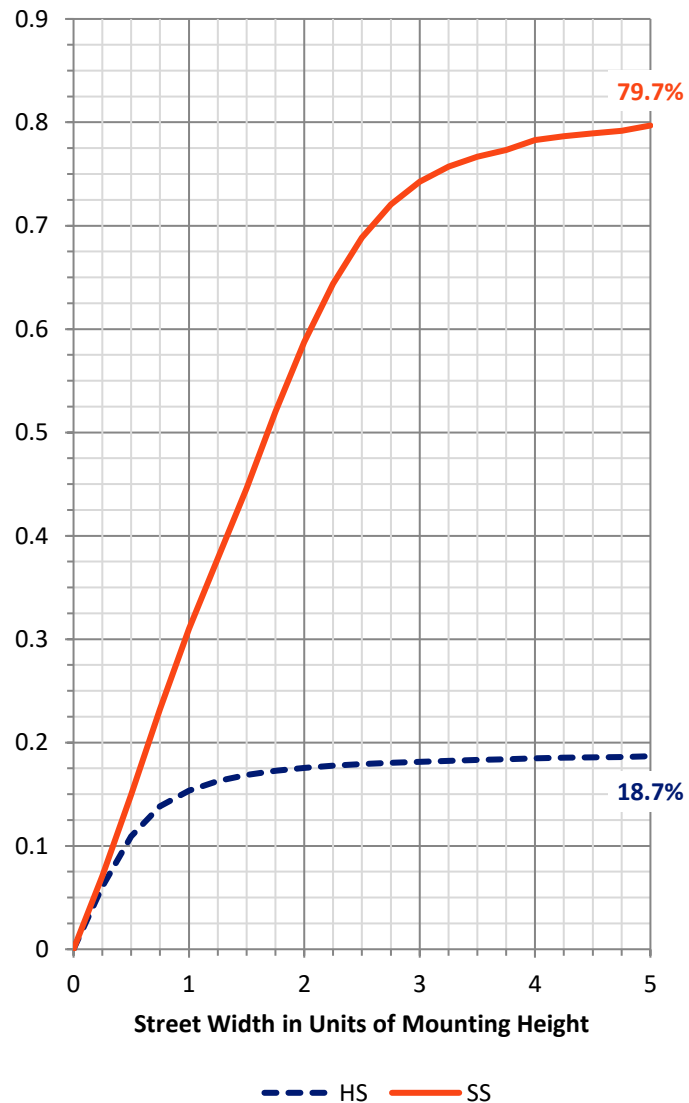
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	403.9	0.0	403.9
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	1727.5	0.0	1727.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	2131.4	0.0	2131.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.4
10°-20°	47.5	2.2
20°-30°	116.7	5.5
30°-40°	195.2	9.2
40°-50°	247.0	11.6
50°-60°	383.4	18.0
60°-70°	720.5	33.8
70°-80°	355.3	16.7
80°-90°	56.3	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°	2131.4	100.0
0°-180°	2131.4	100.0

Coefficient of Utilization



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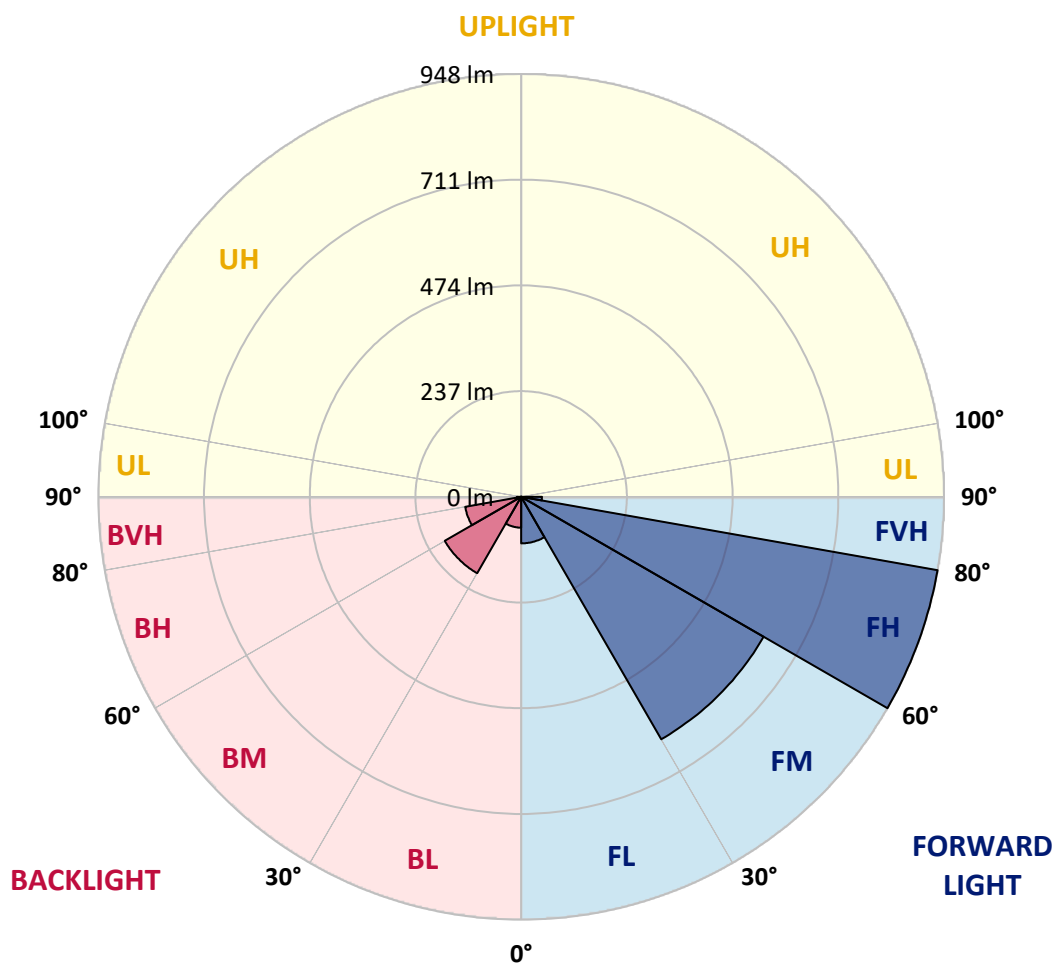
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	104.5	4.9			
FM	(30°-60°)	627.9	29.5			
FH	(60°-80°)	948.3	44.5			G1/1800
FVH	(80°-90°)	46.8	2.2			G1/100
BL	(0°-30°)	69.3	3.2	B0/110		
BM	(30°-60°)	197.7	9.3	B0/220		
BH	(60°-80°)	127.5	6.0	B1/500		G1/500
BVH	(80°-90°)	9.5	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

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°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	119.0	116.5	119.0	118.6	120.7	120.3	120.3	119.0	118.6	119.9	119.4
5°	100.0	100.4	98.3	96.1	97.4	97.4	97.4	96.6	96.1	97.8	99.1
7.5°	148.2	148.7	147.4	145.3	148.2	145.3	144.0	136.4	122.8	100.4	99.1
10°	149.9	149.5	146.5	144.8	145.3	145.3	144.4	143.2	137.6	138.1	140.6
12.5°	194.4	194.4	187.6	182.1	184.7	179.6	151.2	145.7	143.2	160.9	177.5
15°	207.5	196.9	190.6	182.1	185.1	187.2	216.0	218.1	222.8	212.6	210.9
17.5°	243.1	243.5	234.2	232.1	257.1	246.1	221.1	218.1	221.9	212.2	210.5
20°	287.2	286.3	257.5	296.5	264.7	263.0	256.7	254.1	264.3	269.4	241.4
22.5°	298.6	299.0	314.3	330.8	304.9	294.4	282.9	282.9	280.8	277.4	263.0
25°	366.8	367.6	325.7	346.9	318.5	331.2	325.7	314.3	305.4	299.9	293.5
27.5°	401.5	396.0	381.2	407.4	390.9	377.4	352.4	330.4	340.1	340.5	330.8
30°	458.7	458.3	446.8	446.0	413.8	397.3	402.4	388.4	379.5	386.7	357.9
32.5°	547.2	549.8	475.2	469.3	458.3	456.2	437.9	428.6	409.1	410.4	385.8
35°	647.2	648.0	540.4	502.7	509.1	487.5	457.8	450.2	434.1	449.4	414.6
37.5°	687.0	686.1	595.9	539.6	529.8	500.2	486.2	479.4	459.5	454.9	425.2
40°	752.2	752.6	631.5	556.1	561.2	523.5	511.6	489.6	462.1	464.2	429.9
42.5°	773.8	773.8	642.1	559.9	571.4	538.3	514.2	490.5	466.3	462.1	434.5
45°	782.7	783.1	637.0	562.9	558.6	535.4	507.8	486.6	461.7	456.2	430.7
47.5°	781.4	781.0	628.1	562.0	553.6	525.6	507.8	484.5	456.6	449.4	426.1
50°	772.1	773.0	625.6	557.4	559.9	521.8	508.2	482.0	456.6	446.0	425.7
52.5°	781.9	784.0	637.0	559.5	572.2	535.4	512.9	487.1	463.4	448.5	430.3
55°	997.4	1012.7	704.8	595.9	621.3	578.1	540.9	514.6	487.9	471.4	455.7
57.5°	1418.0	1419.3	982.6	753.1	803.5	730.6	663.3	640.8	593.0	571.4	565.4
60°	1577.3	1582.8	1318.5	1081.7	1185.9	1072.8	992.3	949.1	884.3	821.2	807.7
62.5°	1672.1	1675.9	1498.5	1301.1	1444.7	1370.6	1324.4	1318.9	1254.5	1201.2	1173.2
65°	1736.1	1736.5	1626.4	1443.4	1600.1	1534.1	1544.2	1598.0	1582.8	1574.3	1538.7
67.5°	1664.1	1667.0	1691.6	1555.7	1709.4	1667.9	1719.6	1780.6	1786.5	1791.1	1754.3
70°	1213.4	1220.2	1567.5	1509.9	1672.6	1670.4	1741.2	1832.2	1879.2	1895.3	1869.1
72.5°	769.1	763.2	1037.2	1109.2	1222.8	1326.1	1459.5	1603.9	1725.1	1754.7	1732.3
75°	537.9	536.2	559.5	571.4	665.0	690.8	826.7	1041.5	1197.3	1283.3	1287.1
77.5°	341.4	341.4	337.6	318.9	329.9	319.3	326.1	373.6	461.2	628.5	663.3
80°	282.1	282.5	250.7	230.8	243.1	240.6	228.7	223.6	217.7	214.7	230.8
82.5°	190.2	187.2	212.6	195.7	202.0	199.5	194.8	189.3	180.9	165.2	151.2
85°	139.8	137.6	130.0	116.9	124.1	122.8	120.3	114.4	110.1	97.0	88.9
87.5°	105.0	104.2	94.9	76.2	80.5	75.4	68.2	61.0	55.9	47.9	41.9
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°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	119.4	119.4	119.4	116.9	113.9	84.3	73.3	72.4	74.5	104.2	115.6
5°	97.8	96.1	95.7	95.7	96.6	113.9	71.6	73.3	103.3	72.4	72.0
7.5°	97.8	96.1	95.3	94.0	94.0	88.9	69.9	100.4	69.9	81.3	115.6
10°	140.6	136.4	135.5	137.2	133.8	128.3	102.1	106.7	97.4	115.2	115.6
12.5°	177.0	177.0	176.2	180.4	178.3	125.8	111.8	103.3	141.0	121.6	154.6
15°	190.6	176.6	179.6	178.7	174.9	182.5	138.1	130.4	133.8	141.5	149.1
17.5°	216.9	232.1	241.0	230.0	201.2	191.0	166.5	133.4	152.9	161.4	181.3
20°	233.4	231.3	237.6	227.9	215.6	219.4	199.5	194.0	166.5	160.1	166.5
22.5°	255.4	257.9	270.6	255.4	249.9	252.0	226.6	199.1	162.2	191.9	181.7
25°	283.3	292.7	299.4	291.8	271.1	297.7	253.3	235.5	175.8	170.3	184.7
27.5°	325.3	325.7	322.7	313.4	308.3	311.3	283.8	224.1	175.8	162.6	159.7
30°	349.0	352.8	365.9	343.9	336.7	338.4	287.6	242.3	177.5	142.3	150.4
32.5°	396.0	383.7	376.1	349.8	365.1	339.7	319.8	253.3	170.3	132.6	133.4
35°	405.7	402.4	406.6	369.3	371.0	369.3	310.0	257.9	157.6	116.0	105.5
37.5°	426.5	416.3	410.0	388.8	394.7	360.9	310.9	255.4	148.7	95.7	85.6
40°	429.9	431.2	426.9	392.2	398.1	350.7	304.1	250.7	138.9	77.5	78.8
42.5°	439.2	429.9	422.3	392.2	399.0	346.5	309.6	246.9	125.4	66.9	73.7
45°	435.4	426.5	418.0	391.3	395.2	347.3	315.5	243.5	111.4	62.7	73.7
47.5°	430.7	423.1	412.5	393.0	394.7	354.5	327.0	241.8	94.4	62.3	74.1
50°	432.0	423.5	413.4	398.5	398.1	360.4	338.8	250.7	76.2	62.7	73.3
52.5°	437.1	427.8	416.3	404.9	403.6	386.7	401.9	258.8	61.8	62.7	72.0
55°	468.0	457.4	451.5	454.9	453.6	502.7	584.9	267.7	53.4	62.3	70.3
57.5°	595.9	588.7	593.0	618.4	624.3	705.2	753.1	279.5	50.0	61.4	68.6
60°	854.3	860.2	845.0	868.3	856.0	851.7	827.2	302.4	47.9	60.1	66.9
62.5°	1192.3	1172.4	1118.1	1113.5	1068.2	934.3	836.9	308.3	46.6	58.9	64.8
65°	1539.1	1459.9	1349.0	1306.6	1226.1	976.3	789.9	286.7	45.7	58.0	61.8
67.5°	1769.1	1665.8	1513.7	1424.4	1303.6	933.9	608.2	248.2	44.5	56.3	58.4
70°	1872.0	1740.3	1549.7	1405.7	1241.8	711.5	321.9	203.7	42.4	53.8	56.8
72.5°	1726.8	1599.7	1369.3	1191.0	966.1	441.3	163.9	145.7	39.4	49.6	56.3
75°	1231.6	1090.6	853.4	694.2	521.4	200.3	92.8	69.0	35.2	44.9	55.5
77.5°	616.2	494.3	345.6	273.6	214.7	103.8	41.1	34.3	30.5	39.8	46.6
80°	218.5	202.0	184.2	175.3	151.2	55.5	28.8	27.5	26.7	33.0	33.9
82.5°	144.4	134.7	123.7	116.0	93.2	38.5	22.4	23.7	22.0	27.1	23.3
85°	83.0	78.8	70.3	61.8	50.4	29.2	19.1	20.3	15.2	20.8	14.8
87.5°	39.0	36.8	34.7	32.2	28.8	21.2	10.6	19.1	9.7	13.1	7.6
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)