

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: P157103

Luminaire Tested: **UTLD-F02-LED-E-U-SL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157103
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-F02-LED-E-U-SL4-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3506.2 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 55
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

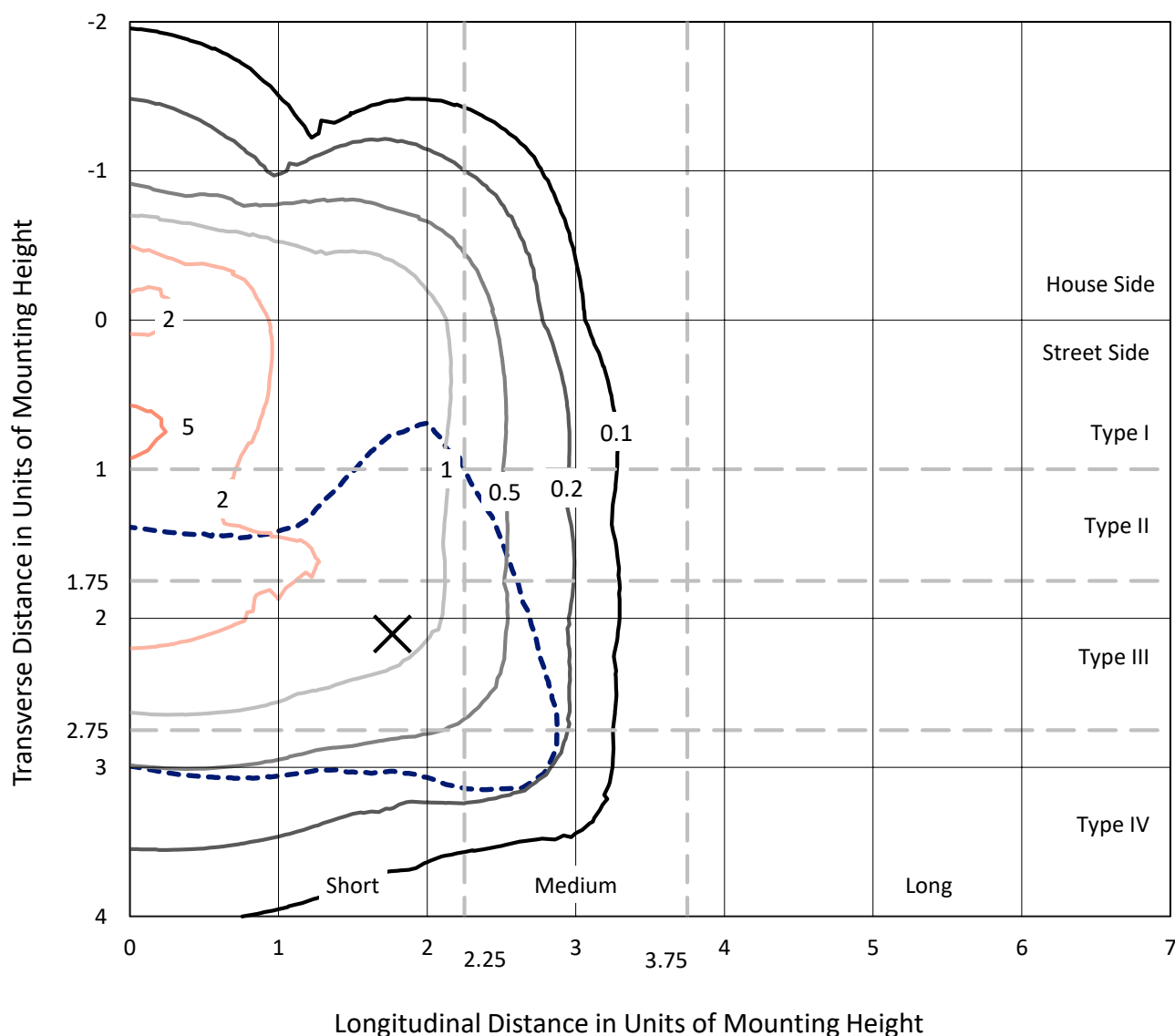


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

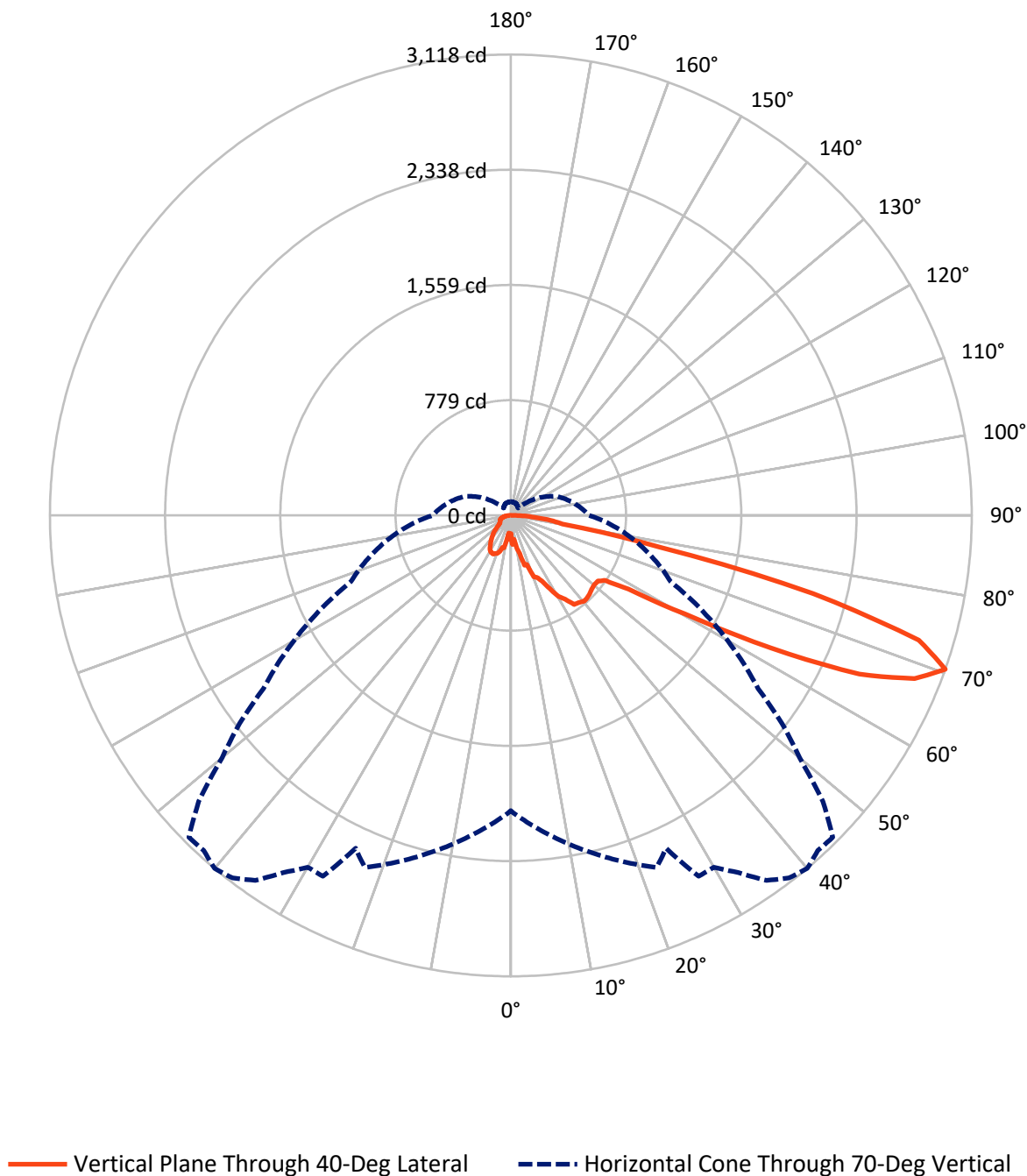


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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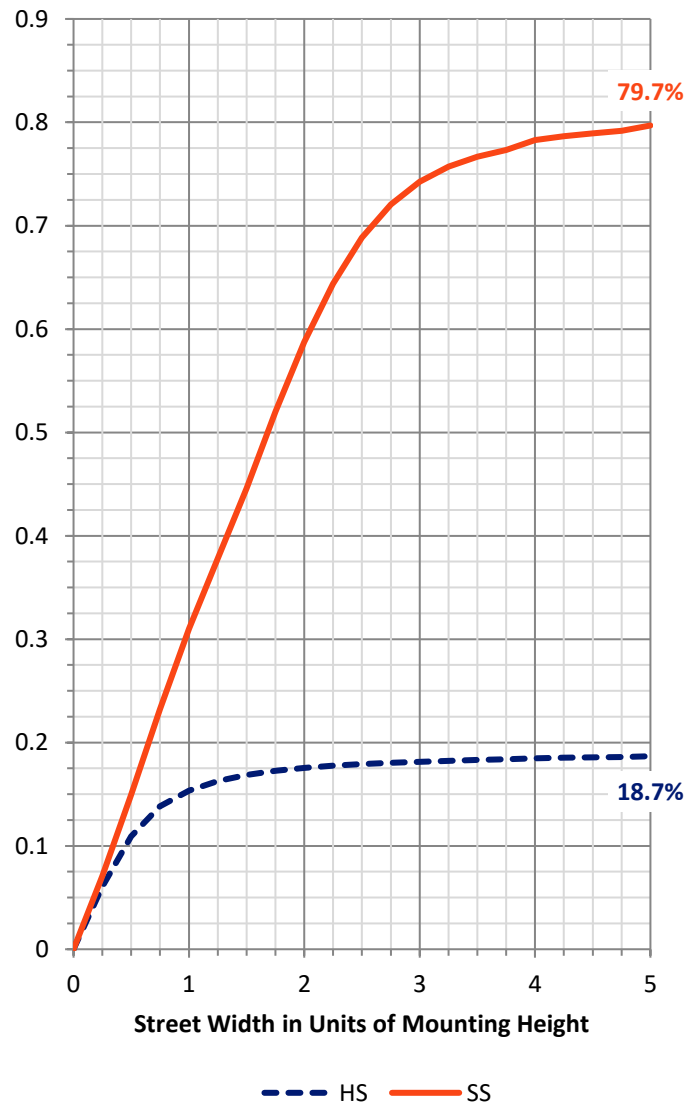
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	664.4	0.0	664.4
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	2841.8	0.0	2841.8
	% Fixture	81.1	0.0	81.1
Total	Lumens	3506.2	0.0	3506.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.4
10°-20°	78.1	2.2
20°-30°	191.9	5.5
30°-40°	321.1	9.2
40°-50°	406.3	11.6
50°-60°	630.6	18.0
60°-70°	1185.2	33.8
70°-80°	584.5	16.7
80°-90°	92.6	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°	3506.2	100.0
0°-180°	3506.2	100.0

Coefficient of Utilization



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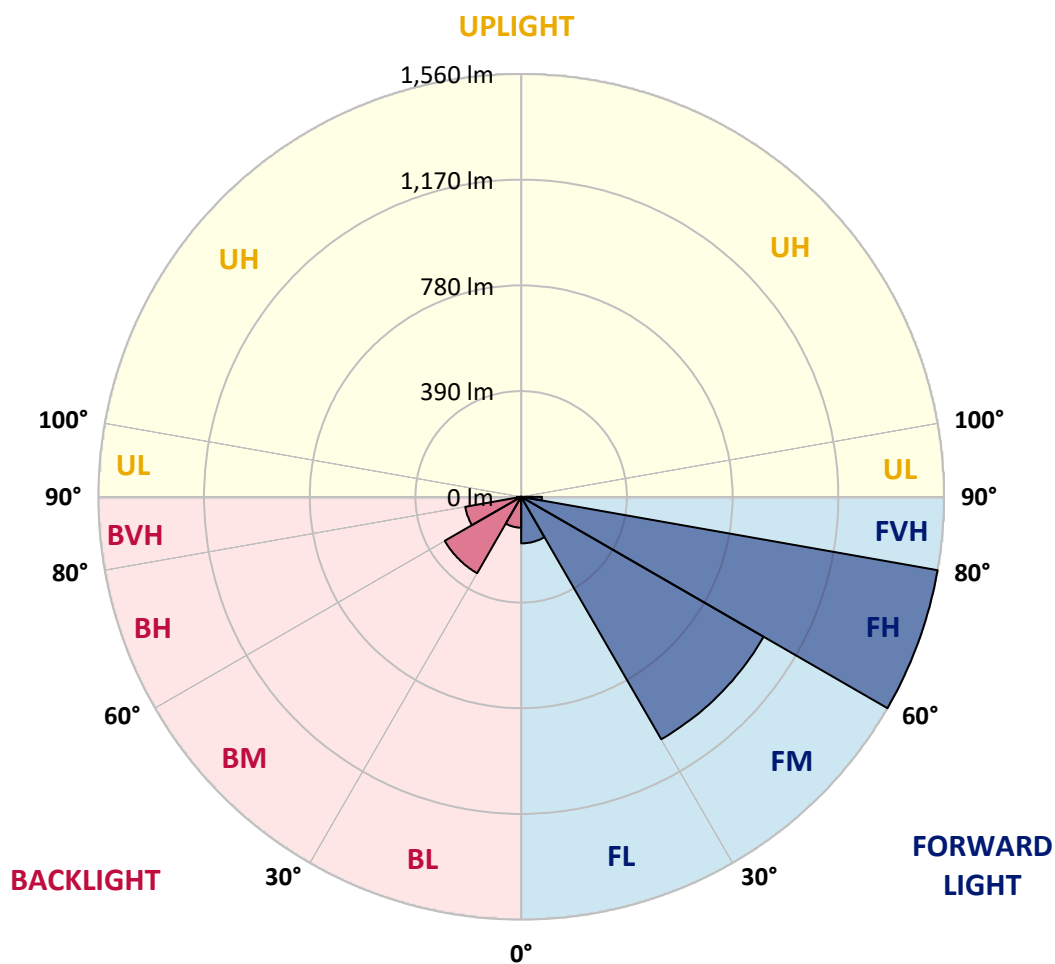
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	171.8	4.9			
FM	(30°-60°)	1032.9	29.5			
FH	(60°-80°)	1560.1	44.5			G1/1800
FVH	(80°-90°)	77.0	2.2			G1/100
BL	(0°-30°)	113.9	3.2	B1/500		
BM	(30°-60°)	325.2	9.3	B1/1000		
BH	(60°-80°)	209.7	6.0	B1/500		G1/500
BVH	(80°-90°)	15.6	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-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°	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9
2.5°	195.8	191.6	195.8	195.1	198.6	197.9	197.9	195.8	195.1	197.2	196.5
5°	164.4	165.1	161.6	158.2	160.2	160.2	160.2	158.9	158.2	160.9	163.0
7.5°	243.9	244.6	242.5	239.0	243.9	239.0	236.9	224.3	202.1	165.1	163.0
10°	246.6	245.9	241.1	238.3	239.0	239.0	237.6	235.5	226.4	227.1	231.3
12.5°	319.8	319.8	308.7	299.6	303.8	295.4	248.7	239.7	235.5	264.8	291.9
15°	341.4	324.0	313.5	299.6	304.5	308.0	355.3	358.8	366.5	349.8	347.0
17.5°	399.9	400.6	385.3	381.8	422.9	404.8	363.7	358.8	365.1	349.1	346.3
20°	472.4	471.0	423.6	487.7	435.5	432.7	422.2	418.0	434.8	443.1	397.1
22.5°	491.2	491.9	517.0	544.2	501.6	484.2	465.4	465.4	461.9	456.4	432.7
25°	603.4	604.8	535.8	570.6	523.9	544.8	535.8	517.0	502.3	493.3	482.8
27.5°	660.5	651.4	627.1	670.3	643.1	620.8	579.7	543.5	559.5	560.2	544.2
30°	754.6	753.9	735.1	733.7	680.7	653.5	661.9	638.9	624.3	636.1	588.7
32.5°	900.2	904.4	781.7	772.0	753.9	750.4	720.4	705.1	673.0	675.1	634.7
35°	1064.6	1066.0	889.0	827.0	837.5	801.9	753.2	740.6	714.2	739.2	682.1
37.5°	1130.1	1128.7	980.3	887.6	871.6	822.8	799.9	788.7	756.0	748.3	699.5
40°	1237.4	1238.1	1038.8	914.8	923.2	861.2	841.7	805.4	760.1	763.6	707.2
42.5°	1272.9	1272.9	1056.3	921.1	939.9	885.6	845.8	806.8	767.1	760.1	714.9
45°	1287.6	1288.3	1047.9	926.0	919.0	880.7	835.4	800.5	759.4	750.4	708.6
47.5°	1285.5	1284.8	1033.3	924.6	910.6	864.6	835.4	797.1	751.1	739.2	700.9
50°	1270.1	1271.5	1029.1	916.9	921.1	858.4	836.1	792.9	751.1	733.7	700.2
52.5°	1286.2	1289.7	1047.9	920.4	941.3	880.7	843.7	801.2	762.2	737.8	707.9
55°	1640.8	1665.9	1159.4	980.3	1022.1	951.0	889.7	846.5	802.6	775.5	749.7
57.5°	2332.7	2334.8	1616.4	1238.8	1321.7	1201.9	1091.1	1054.2	975.4	939.9	930.1
60°	2594.6	2603.7	2168.9	1779.5	1950.9	1764.8	1632.5	1561.4	1454.8	1351.0	1328.7
62.5°	2750.7	2757.0	2465.1	2140.4	2376.6	2254.6	2178.7	2169.6	2063.7	1975.9	1930.0
65°	2855.9	2856.6	2675.5	2374.5	2632.3	2523.6	2540.3	2628.8	2603.7	2589.8	2531.2
67.5°	2737.5	2742.4	2782.8	2559.1	2812.0	2743.7	2828.7	2929.1	2938.8	2946.5	2885.9
70°	1996.1	2007.3	2578.6	2483.9	2751.4	2747.9	2864.3	3014.1	3091.4	3117.9	3074.7
72.5°	1265.3	1255.5	1706.3	1824.8	2011.5	2181.5	2401.0	2638.5	2837.8	2886.6	2849.6
75°	884.9	882.1	920.4	939.9	1093.9	1136.4	1360.0	1713.3	1969.7	2111.1	2117.4
77.5°	561.6	561.6	555.3	524.6	542.8	525.3	536.5	614.5	758.7	1034.0	1091.1
80°	464.0	464.7	412.5	379.7	399.9	395.7	376.2	367.9	358.1	353.2	379.7
82.5°	312.8	308.0	349.8	321.9	332.3	328.2	320.5	311.4	297.5	271.7	248.7
85°	229.9	226.4	213.9	192.3	204.1	202.1	197.9	188.1	181.2	159.6	146.3
87.5°	172.8	171.4	156.1	125.4	132.4	124.0	112.2	100.3	92.0	78.7	69.0
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°	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9
2.5°	196.5	196.5	196.5	192.3	187.4	138.7	120.5	119.1	122.6	171.4	190.2
5°	160.9	158.2	157.5	157.5	158.9	187.4	117.7	120.5	170.0	119.1	118.4
7.5°	160.9	158.2	156.8	154.7	154.7	146.3	115.0	165.1	115.0	133.8	190.2
10°	231.3	224.3	223.0	225.7	220.2	211.1	167.9	175.6	160.2	189.5	190.2
12.5°	291.2	291.2	289.8	296.8	293.3	206.9	183.9	170.0	232.0	200.0	254.3
15°	313.5	290.5	295.4	294.0	287.8	300.3	227.1	214.6	220.2	232.7	245.3
17.5°	356.7	381.8	396.4	378.3	330.9	314.2	273.8	219.5	251.5	265.5	298.2
20°	383.9	380.4	390.9	374.8	354.6	360.9	328.2	319.1	273.8	263.4	273.8
22.5°	420.1	424.3	445.2	420.1	411.1	414.6	372.8	327.5	266.8	315.6	298.9
25°	466.1	481.4	492.6	480.1	445.9	489.8	416.6	387.4	289.1	280.1	303.8
27.5°	535.1	535.8	530.9	515.6	507.2	512.1	466.8	368.6	289.1	267.5	262.7
30°	574.1	580.4	602.0	565.7	553.9	556.7	473.1	398.5	291.9	234.1	247.3
32.5°	651.4	631.2	618.7	575.5	600.6	558.8	526.0	416.6	280.1	218.1	219.5
35°	667.5	661.9	668.9	607.6	610.3	607.6	510.0	424.3	259.2	190.9	173.5
37.5°	701.6	684.9	674.4	639.6	649.4	593.6	511.4	420.1	244.6	157.5	140.7
40°	707.2	709.3	702.3	645.2	654.9	576.9	500.3	412.5	228.5	127.5	129.6
42.5°	722.5	707.2	694.6	645.2	656.3	569.9	509.3	406.2	206.2	110.1	121.2
45°	716.2	701.6	687.7	643.8	650.1	571.3	519.1	400.6	183.2	103.1	121.2
47.5°	708.6	696.0	678.6	646.6	649.4	583.2	537.9	397.8	155.4	102.4	121.9
50°	710.7	696.7	680.0	655.6	654.9	592.9	557.4	412.5	125.4	103.1	120.5
52.5°	719.0	703.7	684.9	666.1	664.0	636.1	661.2	425.7	101.7	103.1	118.4
55°	769.9	752.5	742.7	748.3	746.2	827.0	962.2	440.3	87.8	102.4	115.7
57.5°	980.3	968.5	975.4	1017.2	1027.0	1160.1	1238.8	459.8	82.2	101.0	112.9
60°	1405.3	1415.1	1390.0	1428.3	1408.1	1401.1	1360.7	497.5	78.7	98.9	110.1
62.5°	1961.3	1928.6	1839.4	1831.7	1757.2	1537.0	1376.7	507.2	76.6	96.8	106.6
65°	2531.9	2401.6	2219.1	2149.4	2017.0	1606.0	1299.4	471.7	75.2	95.5	101.7
67.5°	2910.3	2740.3	2490.1	2343.1	2144.6	1536.3	1000.5	408.3	73.2	92.7	96.1
70°	3079.6	2862.9	2549.4	2312.5	2042.8	1170.5	529.5	335.1	69.7	88.5	93.4
72.5°	2840.6	2631.6	2252.5	1959.2	1589.3	726.0	269.6	239.7	64.8	81.5	92.7
75°	2026.1	1794.1	1403.9	1141.9	857.7	329.6	152.6	113.6	57.8	73.9	91.3
77.5°	1013.8	813.1	568.5	450.1	353.2	170.7	67.6	56.4	50.2	65.5	76.6
80°	359.5	332.3	303.1	288.4	248.7	91.3	47.4	45.3	43.9	54.3	55.7
82.5°	237.6	221.6	203.4	190.9	153.3	63.4	36.9	39.0	36.2	44.6	38.3
85°	136.6	129.6	115.7	101.7	82.9	48.1	31.4	33.4	25.1	34.1	24.4
87.5°	64.1	60.6	57.1	53.0	47.4	34.8	17.4	31.4	16.0	21.6	12.5
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)