

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: P157104

Luminaire Tested: **UTLD-F02-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157104
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-SL4-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3794.3 lumens
Efficiency: N/A
Efficacy: 69.0 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

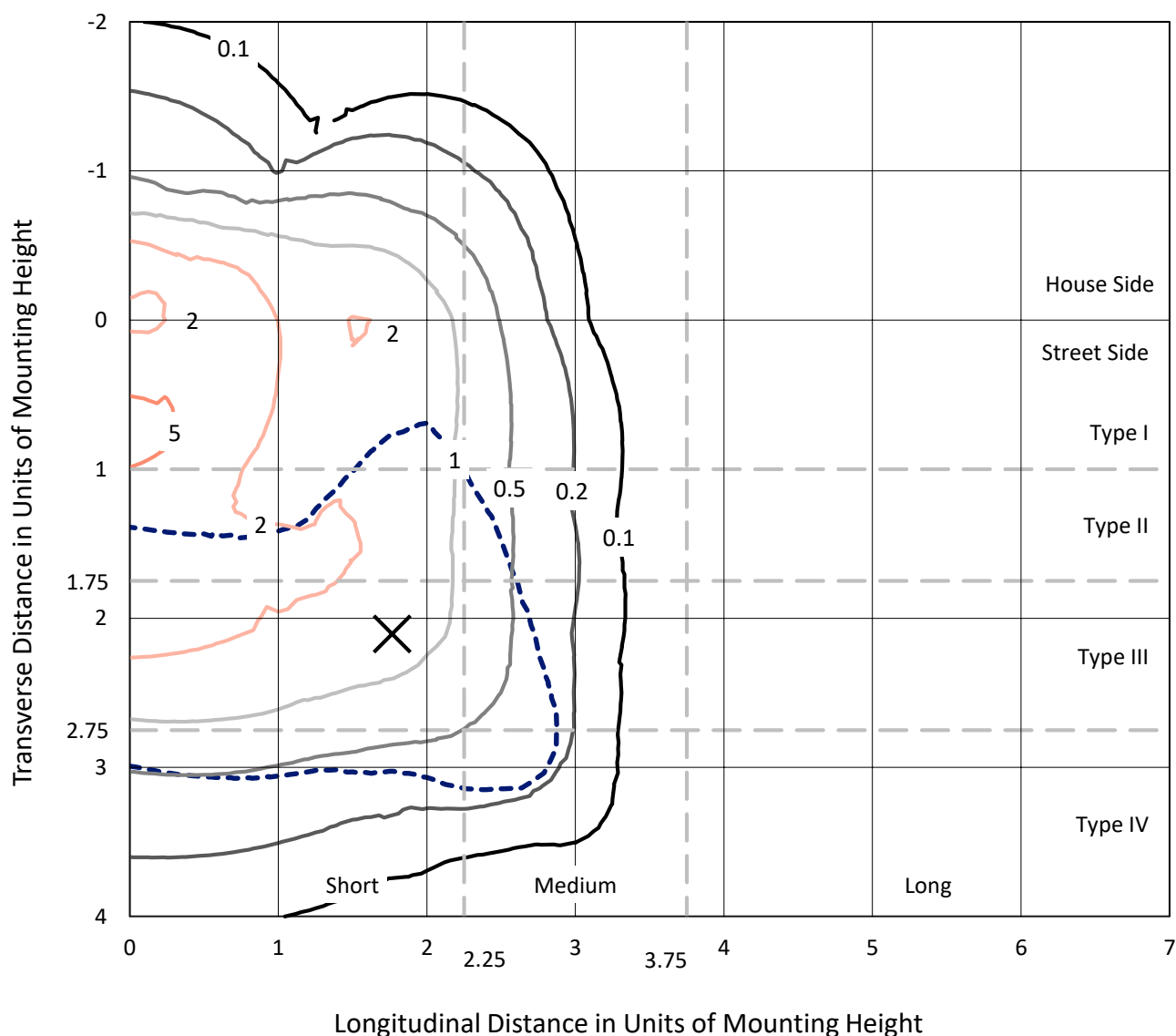


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

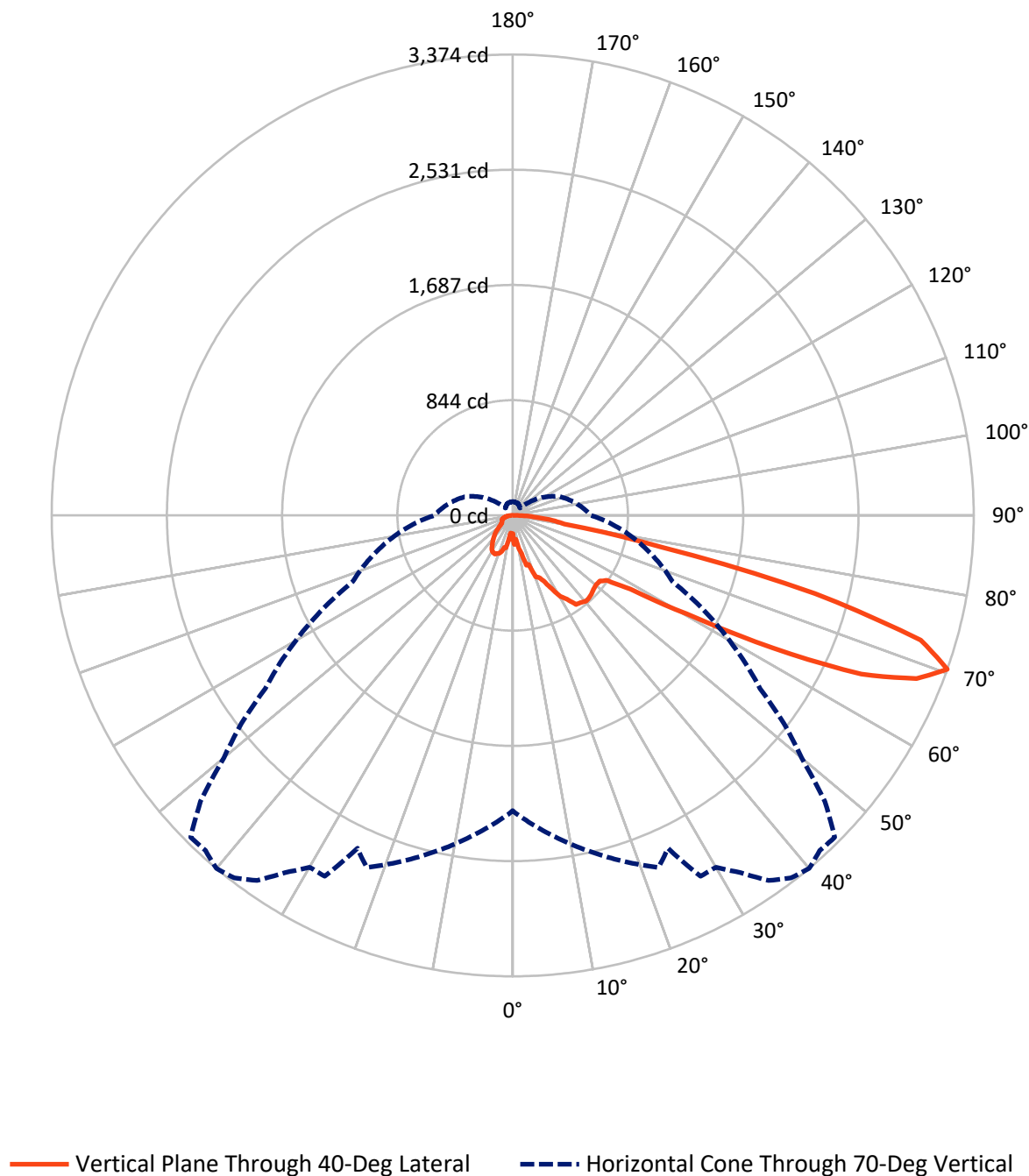


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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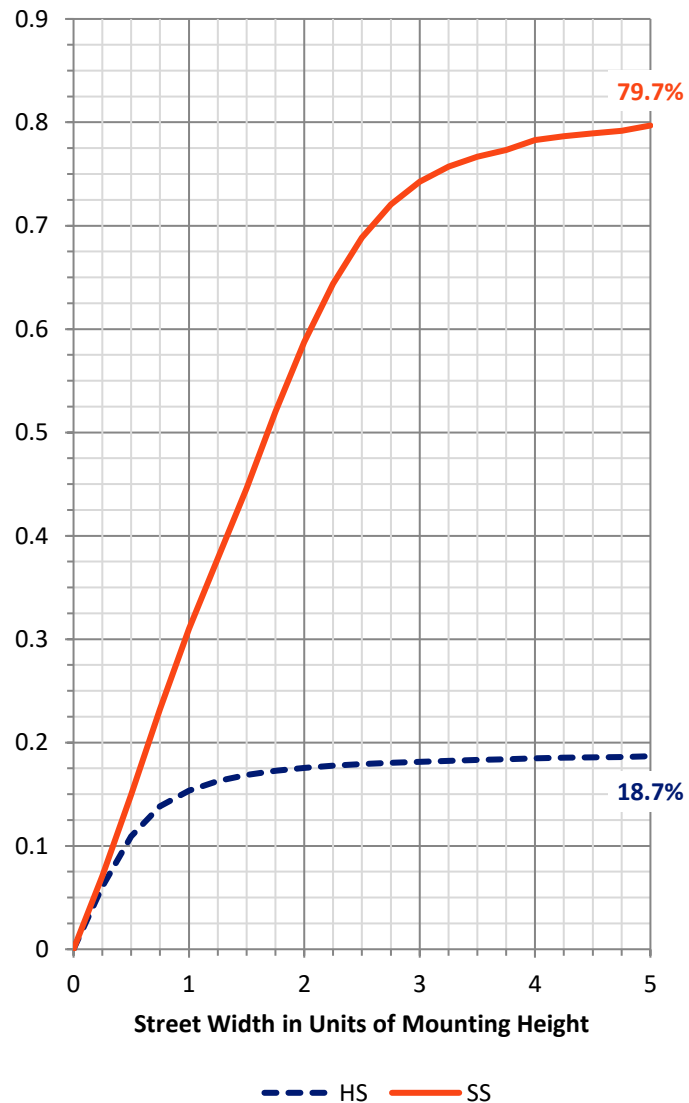
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	719.0	0.0	719.0
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	3075.3	0.0	3075.3
	% Fixture	81.1	0.0	81.1
Total	Lumens	3794.3	0.0	3794.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.4
10°-20°	84.5	2.2
20°-30°	207.7	5.5
30°-40°	347.5	9.2
40°-50°	439.7	11.6
50°-60°	682.5	18.0
60°-70°	1282.6	33.8
70°-80°	632.6	16.7
80°-90°	100.2	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°	3794.3	100.0
0°-180°	3794.3	100.0

Coefficient of Utilization



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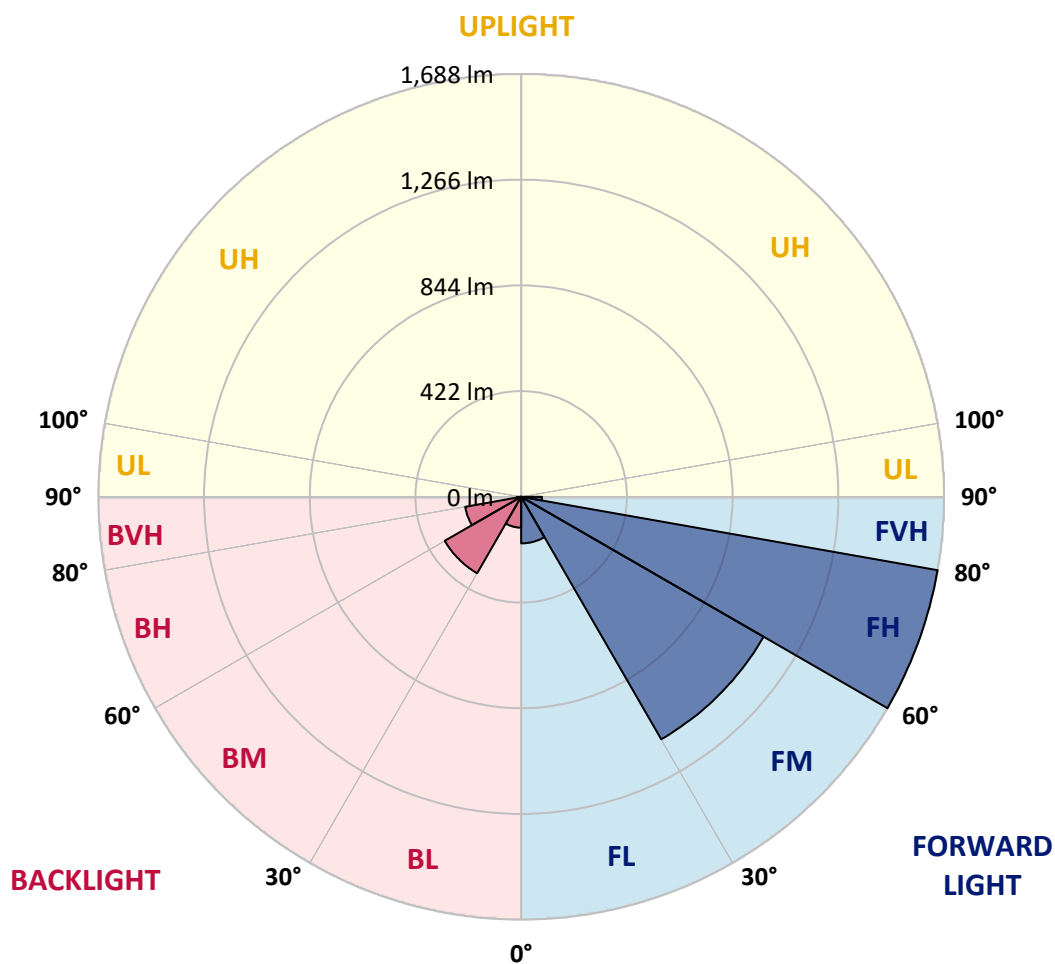
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.0	4.9			
FM	(30°-60°)	1117.8	29.5			
FH	(60°-80°)	1688.3	44.5			G1/1800
FVH	(80°-90°)	83.3	2.2			G1/100
BL	(0°-30°)	123.3	3.2	B1/500		
BM	(30°-60°)	351.9	9.3	B1/1000		
BH	(60°-80°)	226.9	6.0	B1/500		G1/500
BVH	(80°-90°)	16.9	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°	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9
2.5°	211.9	207.3	211.9	211.1	214.9	214.1	214.1	211.9	211.1	213.4	212.6
5°	177.9	178.7	174.9	171.2	173.4	173.4	173.4	171.9	171.2	174.2	176.4
7.5°	263.9	264.7	262.4	258.6	263.9	258.6	256.4	242.8	218.7	178.7	176.4
10°	266.9	266.2	260.9	257.9	258.6	258.6	257.1	254.8	245.0	245.8	250.3
12.5°	346.1	346.1	334.0	324.2	328.7	319.7	269.2	259.4	254.8	286.5	315.9
15°	369.5	350.6	339.3	324.2	329.5	333.3	384.5	388.3	396.6	378.5	375.5
17.5°	432.8	433.5	417.0	413.2	457.7	438.1	393.6	388.3	395.1	377.8	374.7
20°	511.2	509.7	458.4	527.8	471.2	468.2	456.9	452.4	470.5	479.5	429.8
22.5°	531.6	532.3	559.5	588.9	542.9	524.0	503.7	503.7	499.9	493.9	468.2
25°	653.0	654.5	579.8	617.5	567.0	589.6	579.8	559.5	543.6	533.8	522.5
27.5°	714.8	705.0	678.6	725.3	695.9	671.8	627.3	588.1	605.5	606.2	588.9
30°	816.6	815.8	795.5	794.0	736.7	707.2	716.3	691.4	675.6	688.4	637.1
32.5°	974.2	978.7	846.0	835.4	815.8	812.1	779.6	763.0	728.4	730.6	686.9
35°	1152.1	1153.6	962.1	895.0	906.3	867.8	815.1	801.5	772.8	800.0	738.2
37.5°	1223.0	1221.5	1060.9	960.6	943.2	890.5	865.6	853.5	818.1	809.8	757.0
40°	1339.1	1339.8	1124.2	990.0	999.0	931.9	910.8	871.6	822.6	826.4	765.3
42.5°	1377.5	1377.5	1143.1	996.8	1017.1	958.3	915.3	873.1	830.1	822.6	773.6
45°	1393.4	1394.1	1134.0	1002.1	994.5	953.0	904.0	866.3	821.9	812.1	766.8
47.5°	1391.1	1390.4	1118.2	1000.5	985.5	935.7	904.0	862.6	812.8	800.0	758.5
50°	1374.5	1376.0	1113.6	992.3	996.8	928.9	904.8	858.0	812.8	794.0	757.8
52.5°	1391.9	1395.6	1134.0	996.0	1018.6	953.0	913.1	867.1	824.9	798.5	766.1
55°	1775.7	1802.8	1254.6	1060.9	1106.1	1029.2	962.8	916.1	868.6	839.2	811.3
57.5°	2524.4	2526.6	1749.3	1340.6	1430.3	1300.6	1180.8	1140.8	1055.6	1017.1	1006.6
60°	2807.9	2817.7	2347.2	1925.7	2111.2	1909.9	1766.6	1689.7	1574.3	1462.0	1437.9
62.5°	2976.8	2983.6	2667.6	2316.3	2571.9	2439.9	2357.7	2347.9	2233.3	2138.3	2088.6
65°	3090.6	3091.4	2895.3	2569.6	2848.6	2731.0	2749.1	2844.8	2817.7	2802.6	2739.3
67.5°	2962.4	2967.7	3011.4	2769.4	3043.1	2969.2	3061.2	3169.8	3180.3	3188.6	3123.0
70°	2160.2	2172.3	2790.5	2688.0	2977.5	2973.8	3099.7	3261.8	3345.5	3374.1	3327.4
72.5°	1369.3	1358.7	1846.5	1974.7	2176.8	2360.8	2598.3	2855.4	3071.0	3123.8	3083.8
75°	957.6	954.6	996.0	1017.1	1183.8	1229.8	1471.8	1854.1	2131.5	2284.6	2291.4
77.5°	607.7	607.7	600.9	567.8	587.4	568.5	580.6	665.0	821.1	1118.9	1180.8
80°	502.2	502.9	446.4	410.9	432.8	428.3	407.2	398.1	387.6	382.3	410.9
82.5°	338.5	333.3	378.5	348.3	359.7	355.1	346.8	337.0	322.0	294.1	269.2
85°	248.8	245.0	231.5	208.1	220.9	218.7	214.1	203.6	196.0	172.7	158.3
87.5°	187.0	185.5	168.9	135.7	143.3	134.2	121.4	108.6	99.5	85.2	74.6
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°	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9
2.5°	212.6	212.6	212.6	208.1	202.8	150.0	130.4	128.9	132.7	185.5	205.8
5°	174.2	171.2	170.4	170.4	171.9	202.8	127.4	130.4	184.0	128.9	128.2
7.5°	174.2	171.2	169.6	167.4	167.4	158.3	124.4	178.7	124.4	144.8	205.8
10°	250.3	242.8	241.3	244.3	238.3	228.5	181.7	190.0	173.4	205.1	205.8
12.5°	315.2	315.2	313.7	321.2	317.4	223.9	199.1	184.0	251.1	216.4	275.2
15°	339.3	314.4	319.7	318.2	311.4	325.0	245.8	232.2	238.3	251.8	265.4
17.5°	386.0	413.2	429.0	409.4	358.1	340.1	296.3	237.5	272.2	287.3	322.7
20°	415.5	411.7	423.0	405.6	383.8	390.6	355.1	345.3	296.3	285.0	296.3
22.5°	454.7	459.2	481.8	454.7	444.9	448.6	403.4	354.4	288.8	341.6	323.5
25°	504.4	521.0	533.1	519.5	482.6	530.1	450.9	419.2	312.9	303.1	328.7
27.5°	579.1	579.8	574.5	558.0	548.9	554.2	505.2	398.9	312.9	289.5	284.3
30°	621.3	628.1	651.5	612.2	599.4	602.4	512.0	431.3	315.9	253.3	267.7
32.5°	705.0	683.1	669.5	622.8	649.9	604.7	569.3	450.9	303.1	236.0	237.5
35°	722.3	716.3	723.8	657.5	660.5	657.5	551.9	459.2	280.5	206.6	187.7
37.5°	759.3	741.2	729.9	692.2	702.7	642.4	553.4	454.7	264.7	170.4	152.3
40°	765.3	767.6	760.0	698.2	708.8	624.3	541.4	446.4	247.3	138.0	140.2
42.5°	781.9	765.3	751.7	698.2	710.3	616.8	551.2	439.6	223.2	119.1	131.2
45°	775.1	759.3	744.2	696.7	703.5	618.3	561.7	433.5	198.3	111.6	131.2
47.5°	766.8	753.2	734.4	699.7	702.7	631.1	582.1	430.5	168.1	110.8	131.9
50°	769.1	754.0	735.9	709.5	708.8	641.6	603.2	446.4	135.7	111.6	130.4
52.5°	778.1	761.5	741.2	720.8	718.6	688.4	715.5	460.7	110.1	111.6	128.2
55°	833.2	814.3	803.8	809.8	807.5	895.0	1041.3	476.5	95.0	110.8	125.2
57.5°	1060.9	1048.1	1055.6	1100.8	1111.4	1255.4	1340.6	497.6	89.0	109.3	122.1
60°	1520.8	1531.4	1504.2	1545.7	1523.8	1516.3	1472.5	538.4	85.2	107.1	119.1
62.5°	2122.5	2087.1	1990.5	1982.2	1901.6	1663.3	1489.9	548.9	82.9	104.8	115.4
65°	2740.0	2599.0	2401.5	2326.1	2182.8	1738.0	1406.2	510.5	81.4	103.3	110.1
67.5°	3149.4	2965.5	2694.8	2535.7	2320.8	1662.6	1082.7	441.8	79.2	100.3	104.1
70°	3332.7	3098.2	2758.9	2502.5	2210.7	1266.7	573.0	362.7	75.4	95.8	101.0
72.5°	3074.0	2847.8	2437.7	2120.2	1719.9	785.7	291.8	259.4	70.1	88.2	100.3
75°	2192.6	1941.5	1519.3	1235.8	928.2	356.6	165.1	122.9	62.6	79.9	98.8
77.5°	1097.1	879.9	615.3	487.1	382.3	184.7	73.1	61.1	54.3	70.9	82.9
80°	389.1	359.7	328.0	312.2	269.2	98.8	51.3	49.0	47.5	58.8	60.3
82.5°	257.1	239.8	220.2	206.6	165.9	68.6	40.0	42.2	39.2	48.3	41.5
85°	147.8	140.2	125.2	110.1	89.7	52.0	33.9	36.2	27.1	36.9	26.4
87.5°	69.4	65.6	61.8	57.3	51.3	37.7	18.8	33.9	17.3	23.4	13.6
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)