

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: P156940

Luminaire Tested: **UTLD-E01-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33665)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-5WQ
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2825.5 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 24.7
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



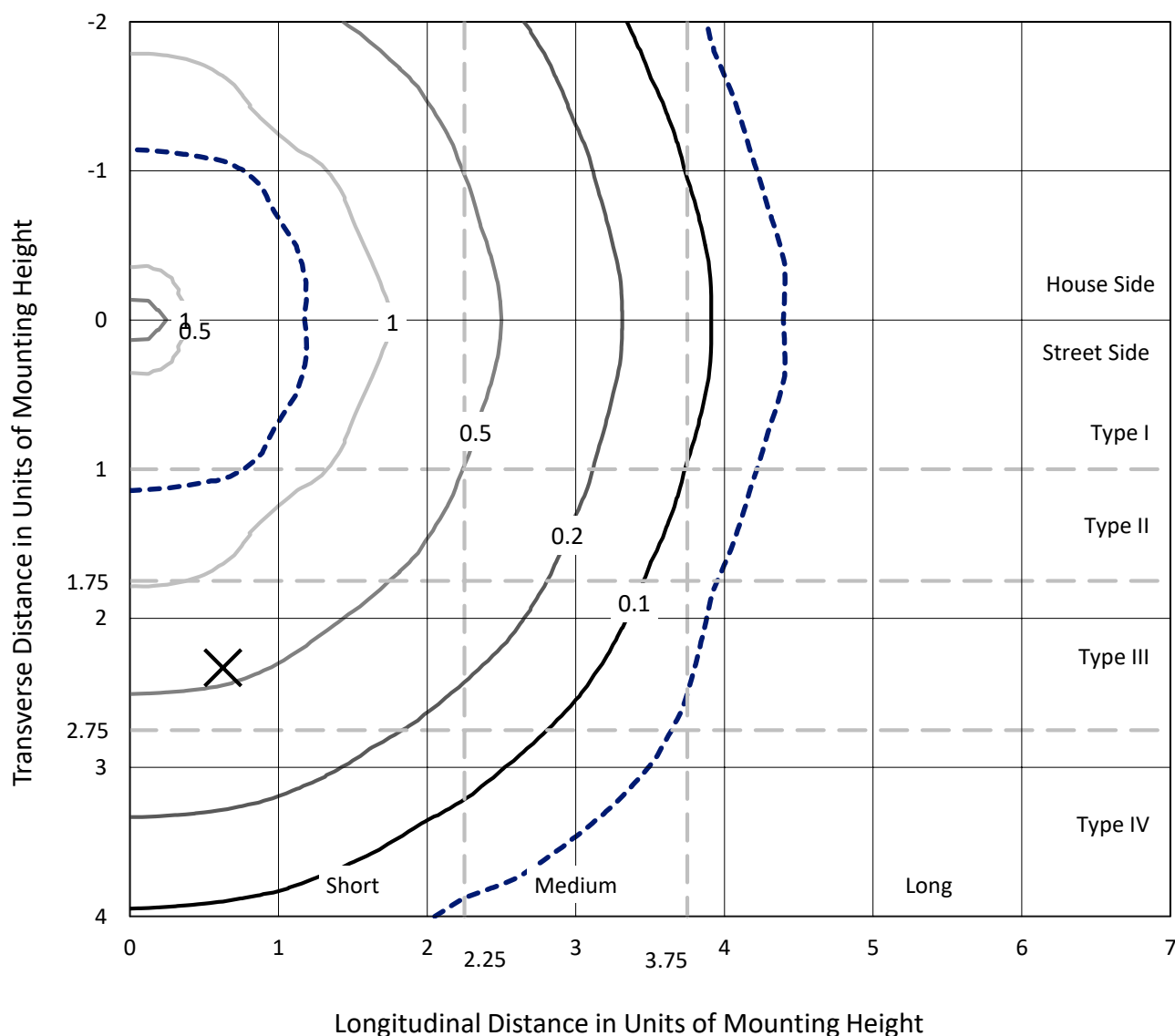
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

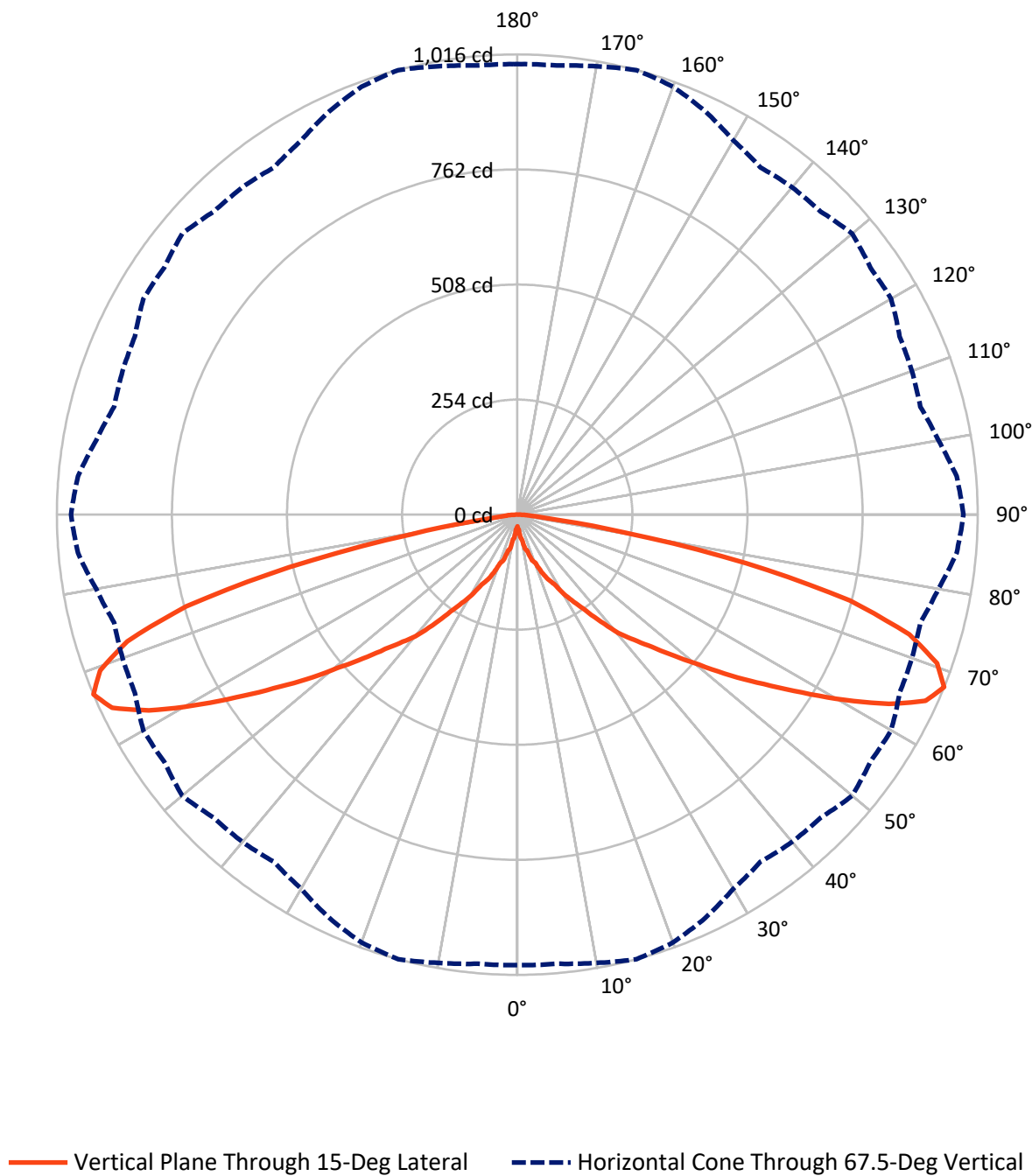


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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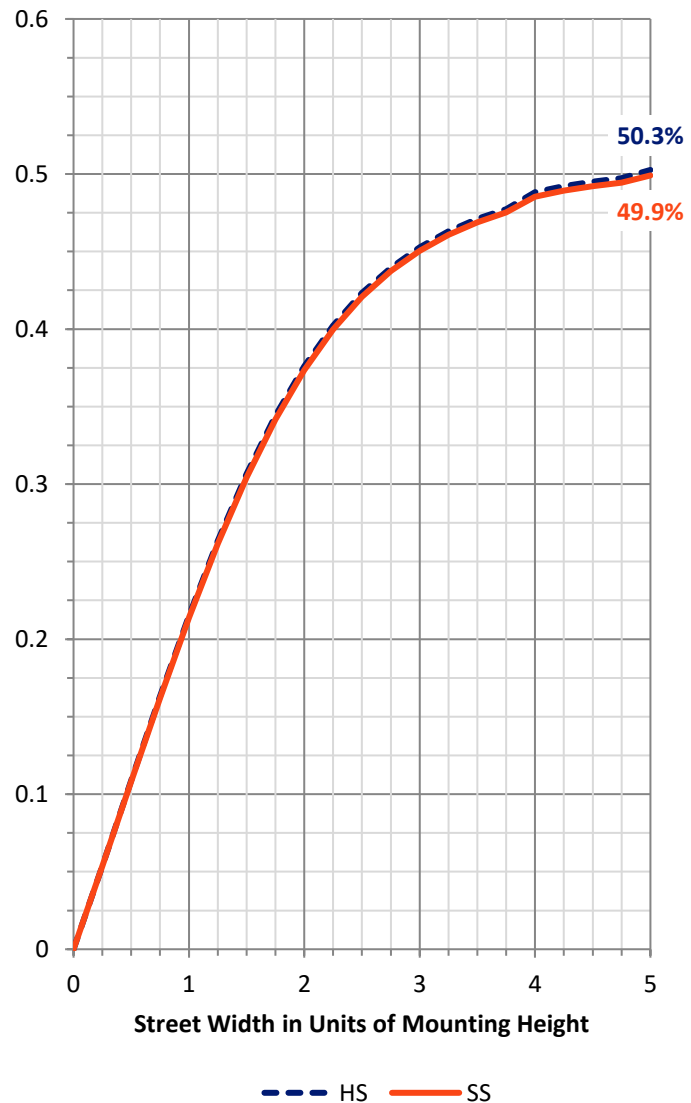
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1412.7	0.0	1412.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1412.7	0.0	1412.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2825.5	0.0	2825.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	23.4	0.8
20°-30°	77.3	2.7
30°-40°	167.2	5.9
40°-50°	312.9	11.1
50°-60°	567.6	20.1
60°-70°	897.8	31.8
70°-80°	705.9	25.0
80°-90°	69.7	2.5
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°	2825.5	100.0
0°-180°	2825.5	100.0

Coefficient of Utilization



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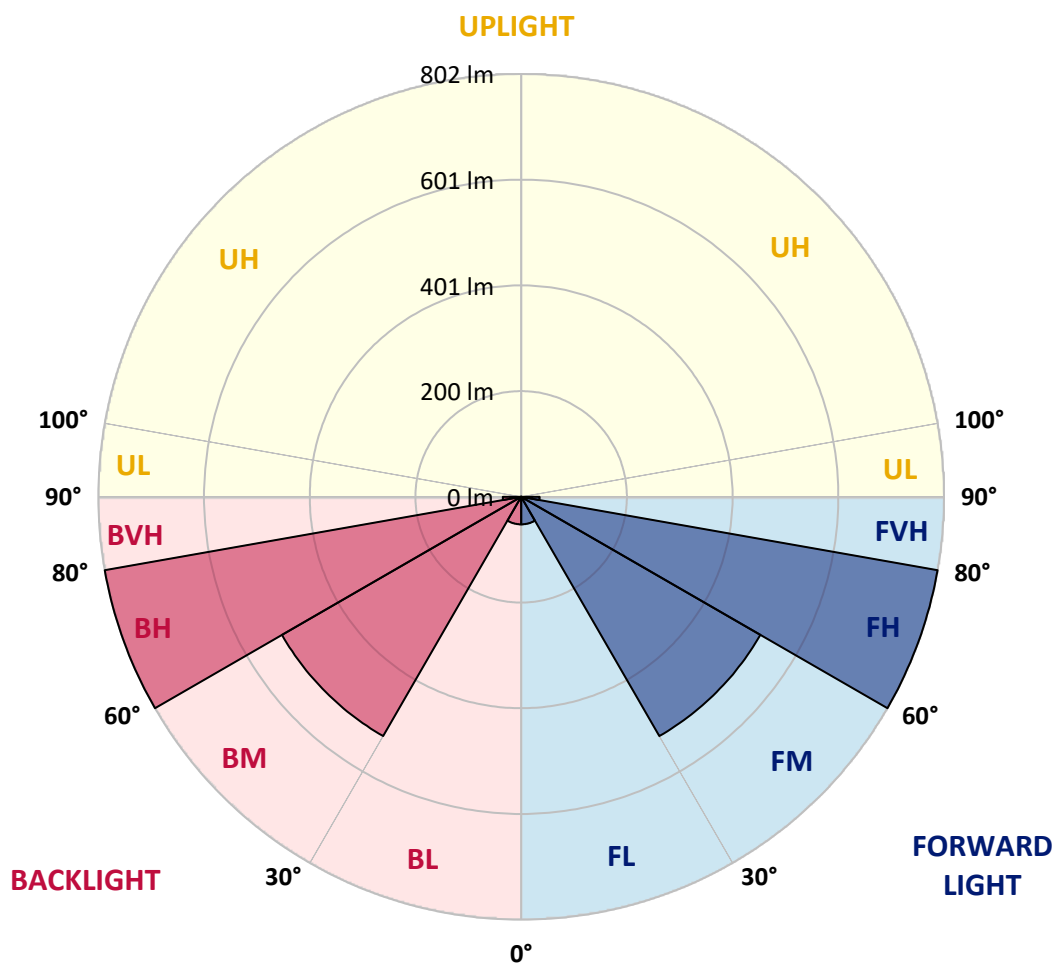
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.2	1.8			
FM	(30°-60°)	523.8	18.5			
FH	(60°-80°)	801.8	28.4			G1/1800
FVH	(80°-90°)	34.9	1.2			G1/100
BL	(0°-30°)	52.2	1.8	B0/110		
BM	(30°-60°)	523.8	18.5	B1/1000		
BH	(60°-80°)	801.8	28.4	B2/1000		G1/1800
BVH	(80°-90°)	34.9	1.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
2.5°	40.8	40.6	40.6	40.6	41.1	39.9	38.0	36.6	35.8	35.6	34.8
5°	32.2	32.1	32.1	32.2	32.1	32.5	32.4	33.2	33.1	35.4	38.4
7.5°	51.8	52.0	51.9	51.2	50.0	46.4	43.6	41.4	34.8	33.9	32.9
10°	56.0	56.0	56.0	55.1	55.2	55.2	54.8	53.8	53.0	51.4	43.8
12.5°	77.5	77.8	77.9	77.4	75.8	68.2	66.1	58.9	57.4	67.1	69.2
15°	83.8	84.1	83.9	82.5	82.0	81.1	79.8	85.8	87.6	80.0	74.4
17.5°	107.2	107.6	107.1	106.2	104.1	97.6	99.6	97.8	96.6	95.0	100.5
20°	123.5	124.2	118.6	113.6	110.5	115.5	121.5	119.0	112.4	113.1	116.4
22.5°	141.0	141.0	140.5	137.9	137.9	144.5	133.5	131.2	139.4	129.8	126.1
25°	170.2	169.5	168.0	157.9	154.6	153.9	151.8	156.4	150.0	162.8	170.2
27.5°	181.0	180.2	176.5	173.4	181.5	178.9	175.8	163.9	188.6	176.5	180.5
30°	209.0	209.0	205.8	203.6	205.5	193.6	189.6	203.6	199.6	201.2	219.2
32.5°	245.5	245.8	241.5	229.6	218.8	220.9	219.0	220.0	226.2	224.6	235.1
35°	285.8	275.6	268.8	259.8	253.6	250.9	247.2	239.4	248.5	246.5	257.4
37.5°	309.2	310.2	304.6	299.4	295.4	277.9	270.4	273.5	273.9	268.8	287.6
40°	357.8	358.2	350.0	343.9	337.4	315.1	303.1	300.1	300.9	301.6	314.9
42.5°	389.8	389.8	383.2	377.8	366.5	351.9	339.6	333.5	334.9	333.4	347.6
45°	427.5	428.2	423.1	416.2	404.1	395.8	377.6	373.4	373.9	371.5	387.2
47.5°	475.5	475.4	473.4	465.8	455.8	441.2	428.6	418.1	419.2	417.8	434.1
50°	531.8	531.8	530.5	520.9	515.0	499.6	483.2	470.2	469.6	469.8	488.4
52.5°	594.5	595.2	597.1	590.5	581.6	560.4	540.8	527.1	526.4	527.8	549.6
55°	664.5	668.0	667.5	660.1	654.5	630.6	604.5	591.6	588.1	590.9	612.6
57.5°	743.0	744.8	746.8	741.0	727.2	705.9	670.4	659.8	654.0	659.6	682.5
60°	830.0	834.1	833.6	830.9	815.2	791.8	743.2	733.1	729.9	732.6	757.8
62.5°	921.5	921.6	926.9	920.9	906.0	882.6	827.5	809.8	805.1	807.4	834.4
65°	985.5	986.2	992.1	990.8	979.2	954.1	913.5	884.0	884.5	887.4	912.4
67.5°	994.8	995.6	1005.2	1016.4	1005.4	982.6	954.0	936.1	943.8	946.8	965.4
70°	957.5	959.4	970.9	982.9	980.6	963.2	937.8	931.5	939.1	945.5	963.1
72.5°	884.5	885.5	894.0	905.0	896.2	881.1	852.0	862.5	861.4	869.8	887.1
75°	750.8	747.2	755.9	758.8	743.9	728.2	704.2	721.4	714.0	721.1	730.0
77.5°	504.5	501.0	504.4	516.8	506.2	504.8	498.5	517.6	520.8	525.2	525.9
80°	195.0	201.9	219.5	239.1	244.8	259.6	271.6	293.5	308.1	320.1	314.0
82.5°	38.5	42.2	51.1	62.0	74.2	89.2	107.4	126.0	144.1	153.6	146.1
85°	14.0	16.9	21.4	25.1	26.5	28.5	31.9	38.4	44.8	46.0	46.5
87.5°	3.8	6.5	12.1	16.4	16.5	14.9	15.8	16.5	14.5	11.5	15.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
2.5°	33.8	31.2	28.8	27.4	26.9	26.4	26.0	25.8
5°	39.0	40.5	38.8	35.6	31.2	28.8	27.0	26.5
7.5°	33.2	33.2	38.4	40.1	35.6	31.9	28.1	27.5
10°	37.5	41.0	44.8	48.9	55.2	50.0	42.1	40.8
12.5°	68.1	57.9	49.6	49.6	56.2	56.9	45.6	44.2
15°	72.4	72.8	76.0	69.0	67.6	73.4	65.5	63.0
17.5°	91.6	90.4	88.1	77.8	72.5	74.4	75.2	72.8
20°	106.5	101.1	125.9	128.2	117.1	117.5	115.6	113.5
22.5°	146.9	148.0	139.0	138.8	130.2	145.0	159.6	153.2
25°	155.1	163.1	190.4	186.0	180.8	173.1	177.0	168.0
27.5°	202.0	197.0	202.2	197.0	211.1	204.1	199.9	197.8
30°	212.2	221.4	226.8	222.6	223.6	222.6	215.4	219.0
32.5°	242.8	238.6	246.9	253.6	258.1	259.1	246.9	254.0
35°	263.0	273.6	272.8	270.4	272.5	276.5	270.0	270.2
37.5°	291.0	293.6	291.5	290.9	292.0	294.2	295.2	291.5
40°	316.6	318.5	316.9	319.1	320.9	321.9	330.4	317.2
42.5°	352.6	349.9	352.2	355.2	354.6	354.5	362.2	355.2
45°	393.1	392.5	390.6	392.6	397.5	390.2	402.5	400.5
47.5°	440.1	440.1	436.9	438.8	446.6	441.1	451.9	455.2
50°	494.8	496.1	487.1	492.1	494.1	495.4	505.8	515.0
52.5°	555.9	557.1	544.6	547.5	546.0	555.5	566.9	581.2
55°	622.4	620.2	604.6	609.9	610.5	626.9	633.9	657.5
57.5°	688.6	688.0	677.2	677.1	686.8	703.9	709.8	736.2
60°	761.6	761.8	748.5	751.5	760.4	777.1	799.4	821.5
62.5°	837.1	842.8	831.4	822.6	832.4	854.0	887.5	904.5
65°	904.8	916.1	897.5	897.4	886.2	921.8	947.8	968.8
67.5°	951.5	953.0	931.2	927.1	921.1	944.0	973.5	985.0
70°	951.5	936.2	915.0	911.9	901.9	910.8	946.5	953.2
72.5°	875.9	859.4	830.4	835.4	824.0	836.5	864.8	868.0
75°	718.5	696.4	676.6	684.6	678.4	701.0	725.4	720.0
77.5°	512.4	485.1	459.4	459.1	459.8	465.4	482.2	474.5
80°	295.6	269.6	244.8	229.4	213.6	200.9	193.4	183.5
82.5°	130.1	104.8	85.6	69.0	58.6	47.4	41.6	35.8
85°	41.1	33.6	28.8	26.2	24.0	22.5	19.5	16.8
87.5°	18.5	18.1	17.0	17.5	17.5	15.1	10.5	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)