

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: P156939

Luminaire Tested: **UTLD-E01-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156939
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2580.6 lumens
Efficiency: N/A
Efficacy: 104.5 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



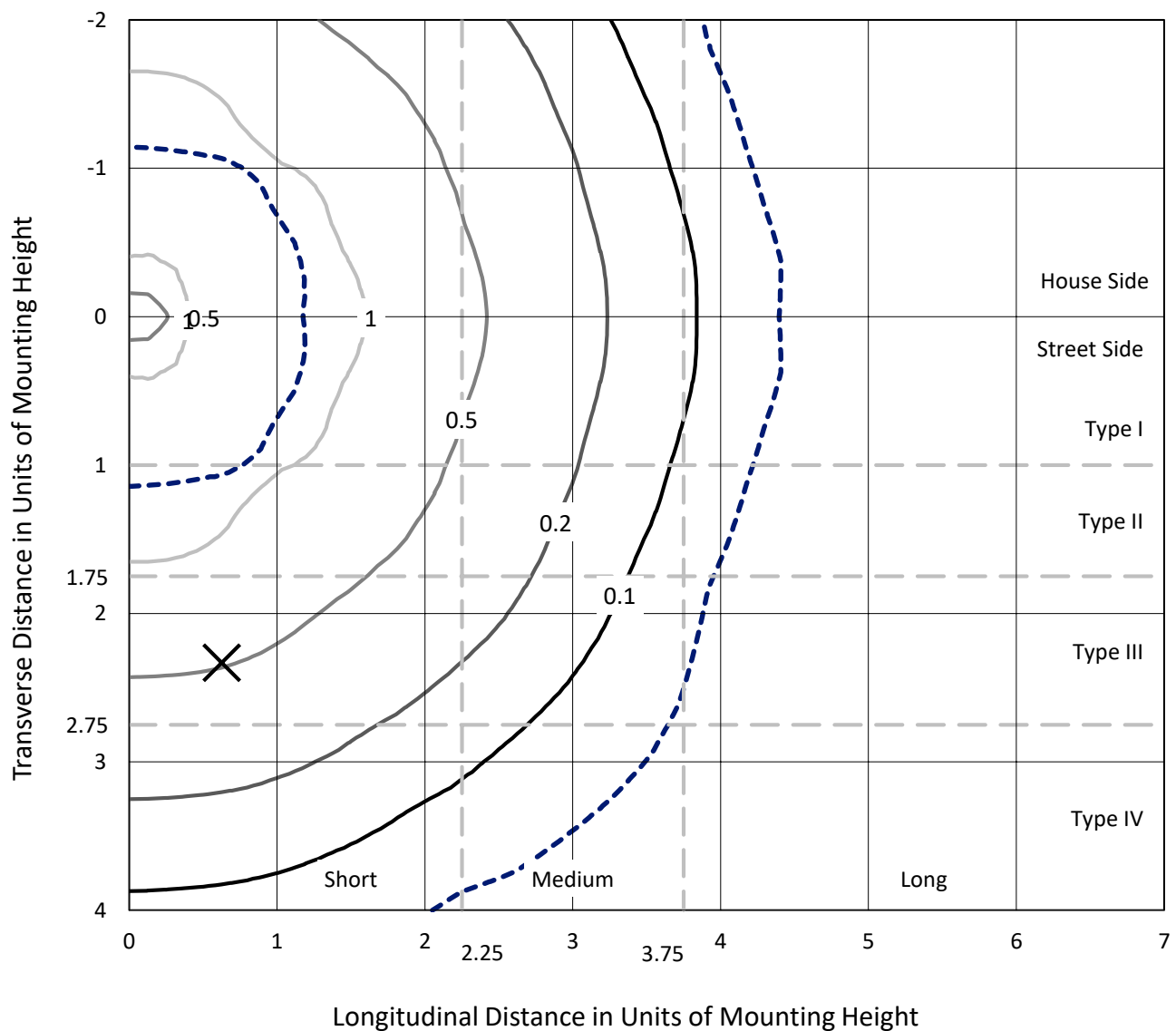
REPORT NUMBER: P156939

CATALOG NUMBER: UTLD-E01-LED-E-U-5WQ-7030

Iso-Footcandle Lines of Horizontal Illumination

✘ Max cd

--- 1/2 Max cd



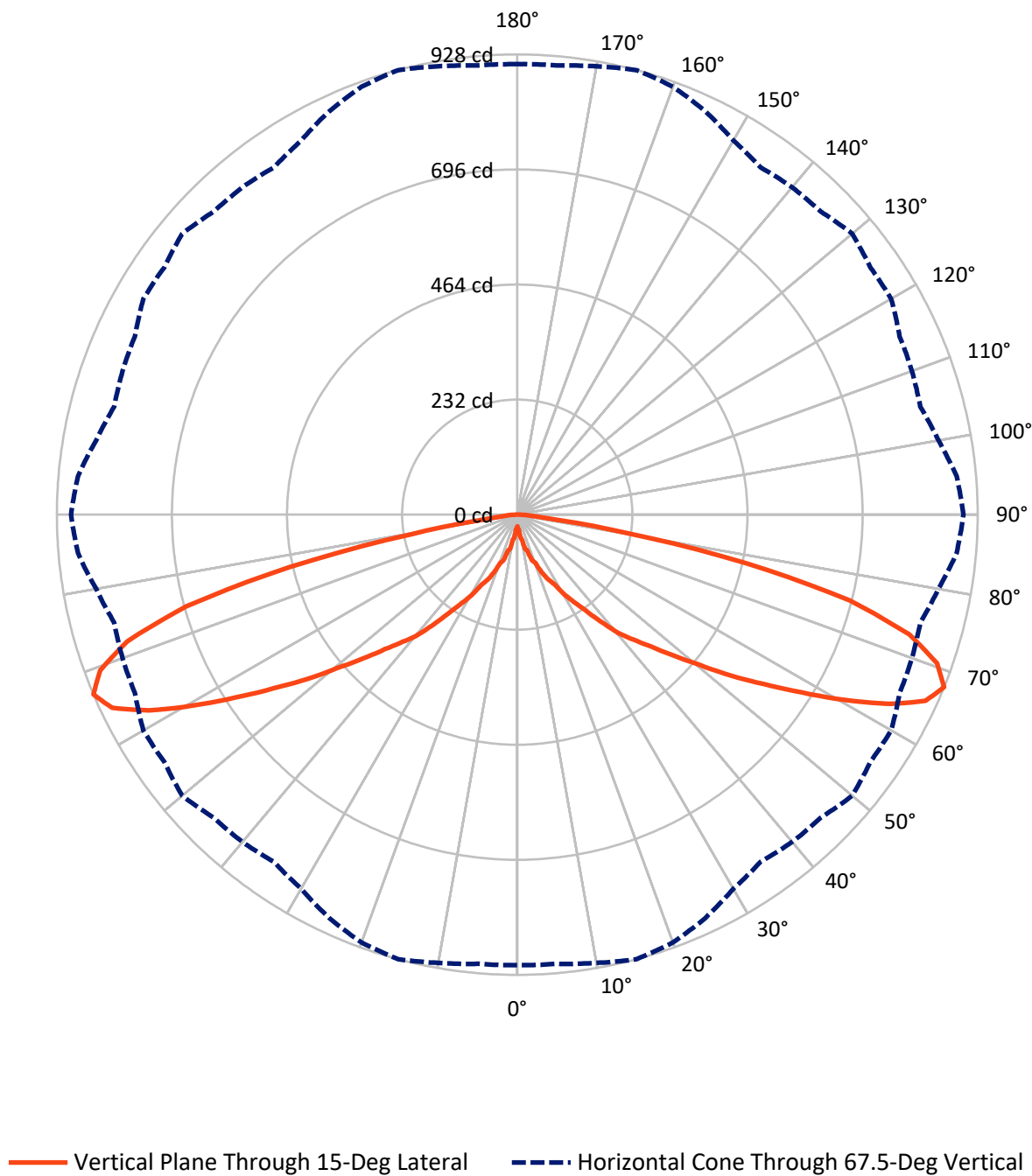
Based on 10 foot mounting height. Maximum calculated value = 1.5 fc

Type V - Short - Semi-Cutoff

REPORT NUMBER: P156939

CATALOG NUMBER: UTLD-E01-LED-E-U-5WQ-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P156939

CATALOG NUMBER: UTLD-E01-LED-E-U-5WQ-7030

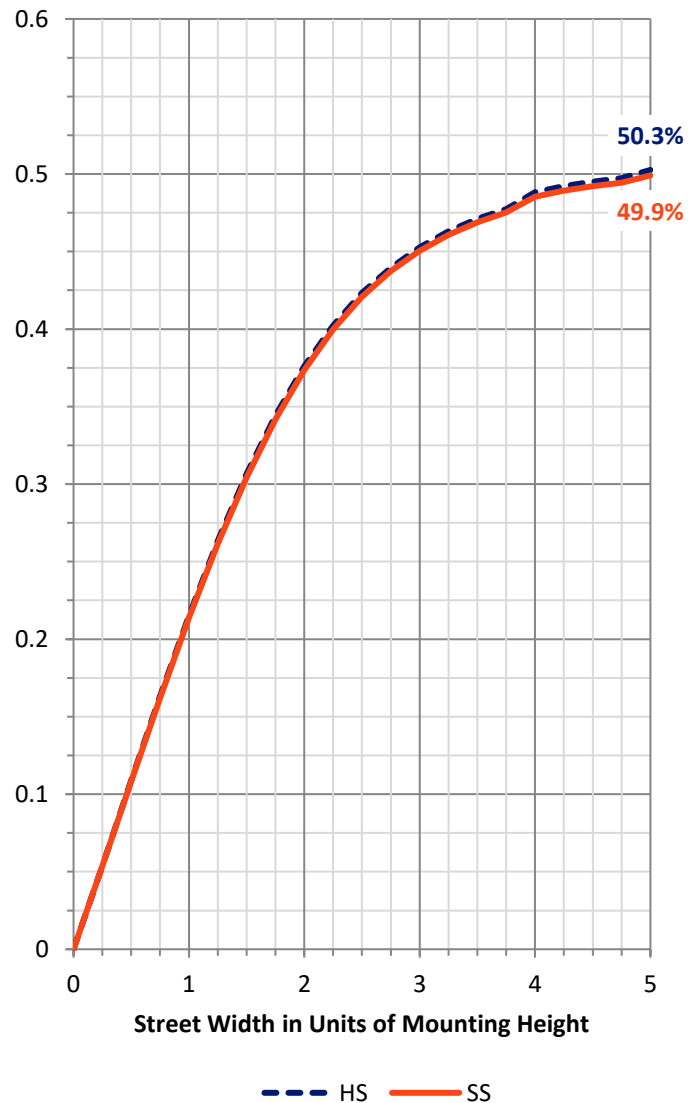
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1290.3	0.0	1290.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1290.3	0.0	1290.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2580.6	0.0	2580.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	21.3	0.8
20°-30°	70.6	2.7
30°-40°	152.7	5.9
40°-50°	285.7	11.1
50°-60°	518.4	20.1
60°-70°	820.0	31.8
70°-80°	644.7	25.0
80°-90°	63.7	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°	2580.6	100.0
0°-180°	2580.6	100.0

Coefficient of Utilization



REPORT NUMBER: P156939

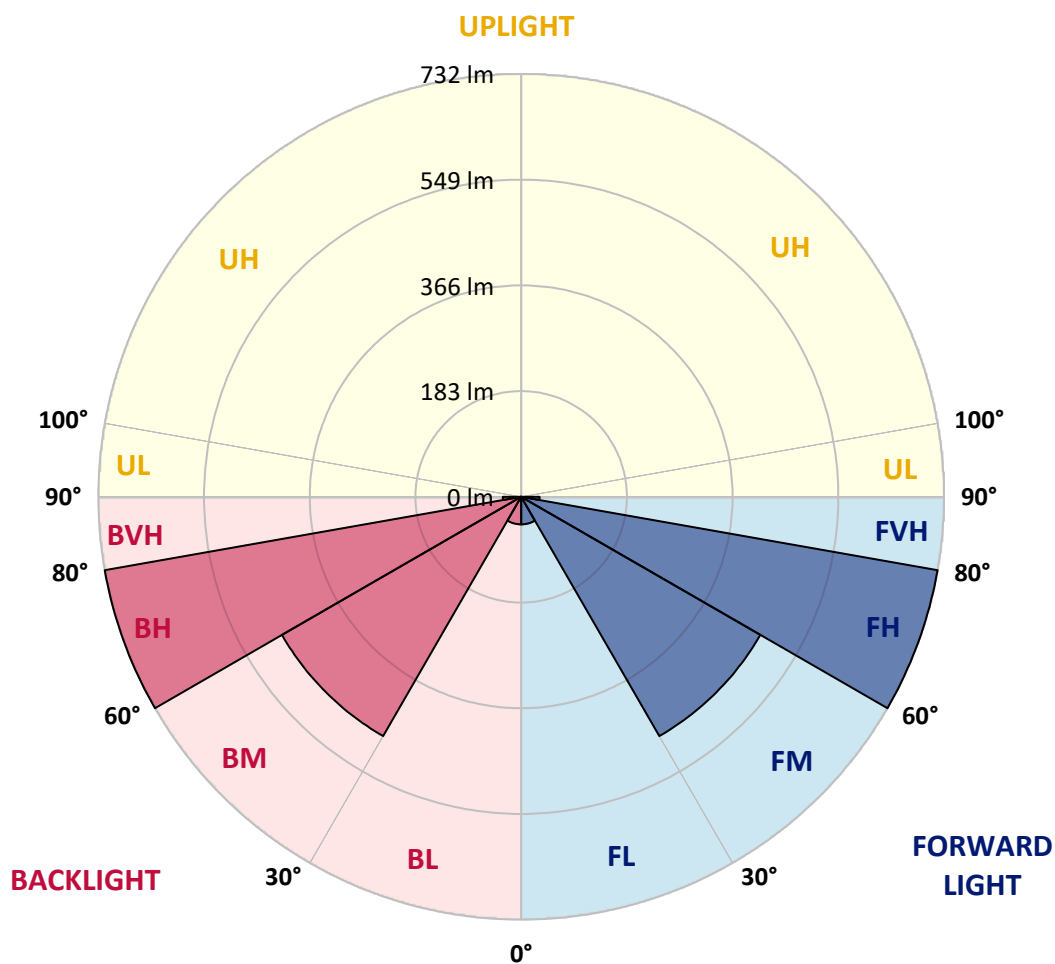
CATALOG NUMBER: UTLD-E01-LED-E-U-5WQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.7	1.8			
FM	(30°-60°)	478.4	18.5			
FH	(60°-80°)	732.4	28.4			G1/1800
FVH	(80°-90°)	31.9	1.2			G1/100
BL	(0°-30°)	47.7	1.8	B0/110		
BM	(30°-60°)	478.4	18.5	B1/1000		
BH	(60°-80°)	732.4	28.4	B2/1000		G1/1800
BVH	(80°-90°)	31.9	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





REPORT NUMBER: P156939

CATALOG NUMBER: UTLD-E01-LED-E-U-5WQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	37.2	37.1	37.1	37.1	37.6	36.4	34.7	33.5	32.6	32.5	31.8
5°	29.4	29.4	29.4	29.5	29.4	29.7	29.6	30.4	30.2	32.3	35.0
7.5°	47.2	47.5	47.4	46.8	45.6	42.4	39.8	37.8	31.7	31.0	30.0
10°	51.2	51.2	51.2	50.4	50.5	50.5	50.0	49.1	48.4	46.9	40.0
12.5°	70.8	71.0	71.1	70.6	69.2	62.3	60.4	53.8	52.4	61.3	63.2
15°	76.5	76.8	76.6	75.3	74.9	74.1	72.8	78.3	80.0	73.1	67.9
17.5°	97.9	98.3	97.8	97.0	95.1	89.2	91.0	89.3	88.3	86.8	91.8
20°	112.8	113.5	108.4	103.8	100.9	105.5	111.0	108.7	102.6	103.3	106.3
22.5°	128.8	128.8	128.4	126.0	125.9	132.0	121.9	119.9	127.3	118.5	115.2
25°	155.5	154.8	153.4	144.2	141.2	140.6	138.6	142.8	137.0	148.6	155.5
27.5°	165.3	164.7	161.2	158.4	165.8	163.4	160.5	149.6	172.3	161.2	164.9
30°	190.9	190.9	187.9	186.0	187.7	176.9	173.2	186.0	182.3	183.8	200.2
32.5°	224.2	224.4	220.6	209.7	199.8	201.8	200.0	201.0	206.6	205.2	214.8
35°	261.0	251.7	245.5	237.3	231.6	229.1	225.8	218.6	227.0	225.2	235.1
37.5°	282.5	283.4	278.2	273.4	269.8	253.8	247.0	249.8	250.2	245.4	262.7
40°	326.8	327.2	319.6	314.1	308.1	287.8	276.9	274.1	274.8	275.5	287.6
42.5°	356.0	356.0	350.0	345.0	334.8	321.4	310.2	304.6	305.8	304.5	317.5
45°	390.4	391.2	386.5	380.2	369.1	361.4	344.9	341.0	341.5	339.3	353.7
47.5°	434.3	434.2	432.4	425.4	416.3	403.0	391.5	381.9	383.0	381.5	396.5
50°	485.6	485.7	484.6	475.8	470.4	456.4	441.4	429.5	429.0	429.0	446.0
52.5°	543.0	543.7	545.4	539.3	531.2	511.8	493.9	481.4	480.8	482.0	502.0
55°	607.0	610.1	609.7	602.9	597.8	576.0	552.1	540.4	537.2	539.7	559.6
57.5°	678.6	680.2	682.0	676.8	664.2	644.7	612.3	602.6	597.3	602.5	623.4
60°	758.1	761.8	761.4	758.9	744.6	723.1	678.8	669.6	666.6	669.2	692.1
62.5°	841.6	841.8	846.6	841.1	827.5	806.1	755.8	739.6	735.4	737.4	762.1
65°	900.1	900.8	906.2	904.9	894.4	871.4	834.3	807.4	807.8	810.5	833.3
67.5°	908.6	909.4	918.1	928.3	918.2	897.5	871.3	855.0	862.0	864.8	881.7
70°	874.5	876.3	886.8	897.7	895.7	879.8	856.5	850.8	857.8	863.6	879.7
72.5°	807.8	808.8	816.5	826.6	818.6	804.8	778.2	787.8	786.7	794.4	810.2
75°	685.7	682.5	690.4	693.0	679.4	665.2	643.2	658.8	652.1	658.6	666.7
77.5°	460.8	457.6	460.7	472.0	462.4	461.0	455.3	472.8	475.6	479.7	480.3
80°	178.1	184.4	200.5	218.4	223.6	237.2	248.1	268.1	281.5	292.4	286.8
82.5°	35.2	38.6	46.7	56.6	67.8	81.5	98.1	115.1	131.6	140.3	133.4
85°	12.8	15.4	19.5	23.0	24.2	26.0	29.1	35.0	40.9	42.0	42.5
87.5°	3.4	5.9	11.1	15.0	15.1	13.6	14.4	15.1	13.2	10.5	14.3
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: P156939

CATALOG NUMBER: UTLD-E01-LED-E-U-5WQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	30.8	28.6	26.2	25.0	24.6	24.1	23.7	23.5
5°	35.6	37.0	35.4	32.5	28.5	26.2	24.7	24.2
7.5°	30.4	30.4	35.0	36.6	32.6	29.1	25.7	25.1
10°	34.2	37.5	40.9	44.6	50.5	45.7	38.5	37.2
12.5°	62.2	52.9	45.3	45.3	51.4	52.0	41.7	40.4
15°	66.1	66.4	69.4	63.0	61.8	67.0	59.8	57.5
17.5°	83.6	82.6	80.4	71.0	66.2	67.9	68.7	66.4
20°	97.3	92.3	115.0	117.1	107.0	107.3	105.6	103.6
22.5°	134.2	135.2	127.0	126.7	119.0	132.4	145.8	140.0
25°	141.7	149.0	173.9	169.9	165.1	158.1	161.6	153.5
27.5°	184.5	180.0	184.7	180.0	192.8	186.4	182.6	180.6
30°	193.8	202.2	207.1	203.3	204.2	203.4	196.7	200.0
32.5°	221.7	218.0	225.5	231.6	235.8	236.6	225.5	232.0
35°	240.2	249.9	249.1	247.0	248.9	252.6	246.6	246.8
37.5°	265.8	268.2	266.2	265.7	266.7	268.8	269.7	266.2
40°	289.2	290.9	289.4	291.5	293.0	294.0	301.8	289.8
42.5°	322.0	319.6	321.7	324.5	323.9	323.8	330.8	324.4
45°	359.1	358.5	356.8	358.6	363.0	356.5	367.6	365.8
47.5°	402.0	402.0	399.0	400.7	408.0	402.9	412.7	415.8
50°	451.9	453.2	444.9	449.5	451.3	452.4	461.9	470.4
52.5°	507.7	508.8	497.4	500.0	498.7	507.4	517.8	530.9
55°	568.5	566.5	552.2	557.0	557.6	572.6	578.9	600.6
57.5°	629.0	628.4	618.6	618.4	627.2	642.9	648.2	672.5
60°	695.6	695.7	683.6	686.4	694.5	709.8	730.1	750.3
62.5°	764.6	769.7	759.3	751.3	760.2	780.0	810.6	826.1
65°	826.4	836.8	819.7	819.6	809.4	841.9	865.6	884.8
67.5°	869.1	870.4	850.6	846.8	841.3	862.2	889.2	899.6
70°	869.0	855.1	835.7	832.8	823.8	831.8	864.5	870.6
72.5°	800.0	784.9	758.4	763.0	752.6	764.0	789.8	792.8
75°	656.2	636.0	618.0	625.3	619.6	640.2	662.6	657.6
77.5°	468.0	443.1	419.6	419.4	419.9	425.0	440.5	433.4
80°	270.0	246.3	223.6	209.5	195.1	183.5	176.6	167.6
82.5°	118.9	95.6	78.2	63.0	53.6	43.3	38.0	32.6
85°	37.6	30.7	26.2	24.0	21.9	20.6	17.8	15.3
87.5°	16.9	16.6	15.5	16.0	16.0	13.8	9.6	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)