

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: P156975

Luminaire Tested: **UTLD-F01-LED-E-U-5XQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156975
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33666)
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-5XQ
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2347 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - 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



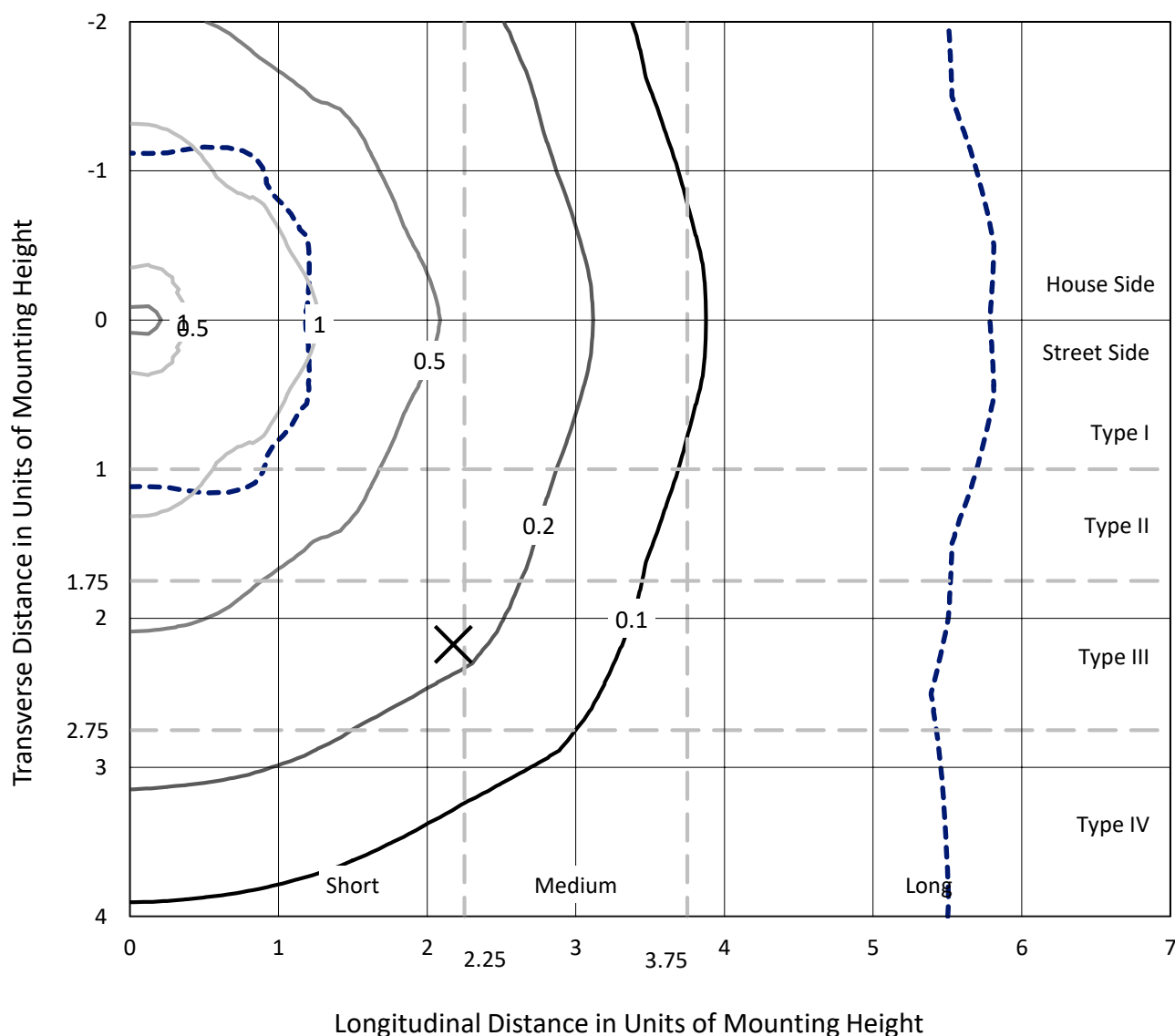
REPORT NUMBER: P156975

CATALOG NUMBER: UTLD-F01-LED-E-U-5XQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

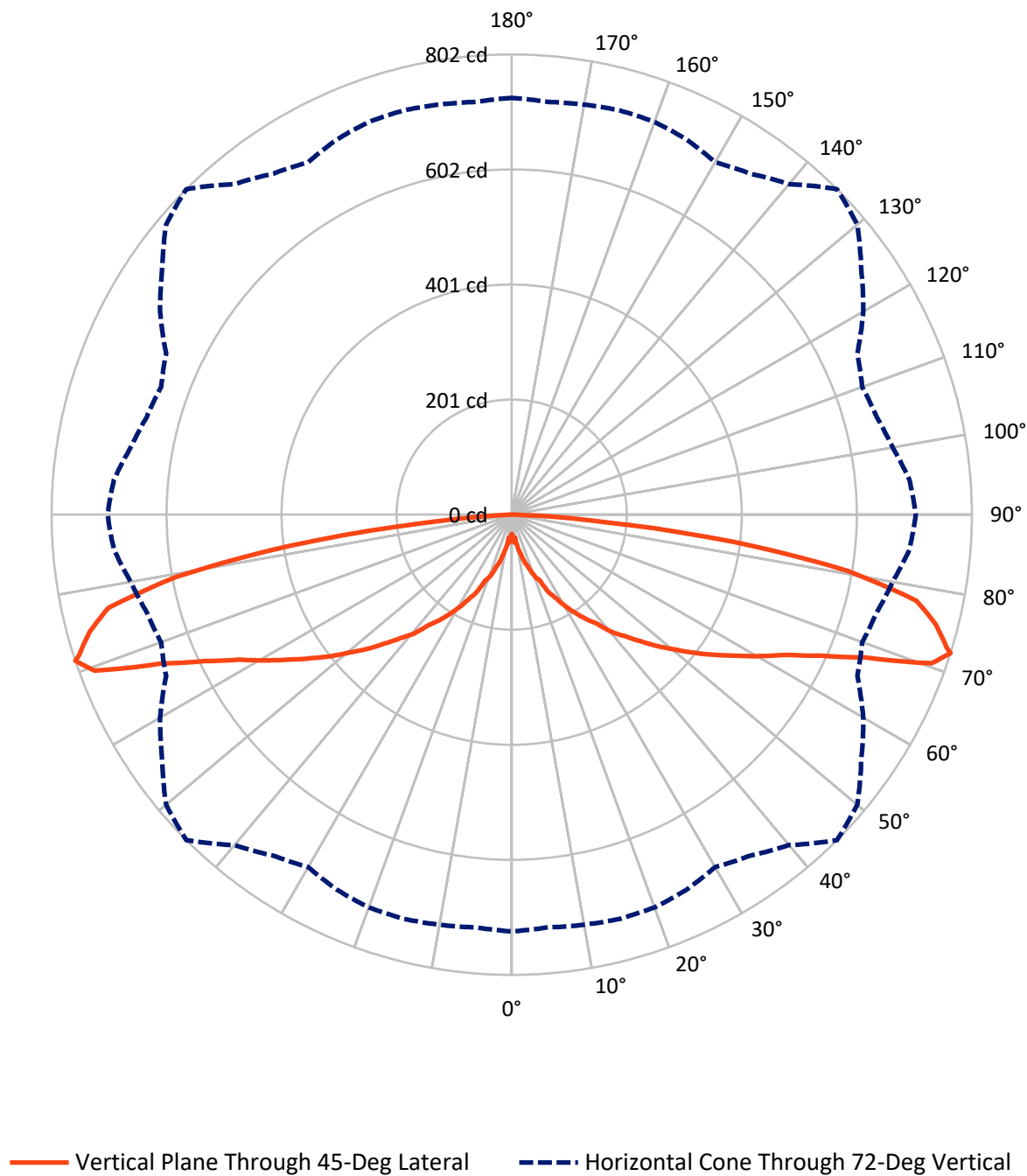


Based on 10 foot mounting height. Maximum calculated value = 1.4 fc
Type V - Short - Non-Cutoff

REPORT NUMBER: P156975

CATALOG NUMBER: UTLD-F01-LED-E-U-5XQ

Luminous Intensity Polar Plot



REPORT NUMBER: P156975

CATALOG NUMBER: UTLD-F01-LED-E-U-5XQ

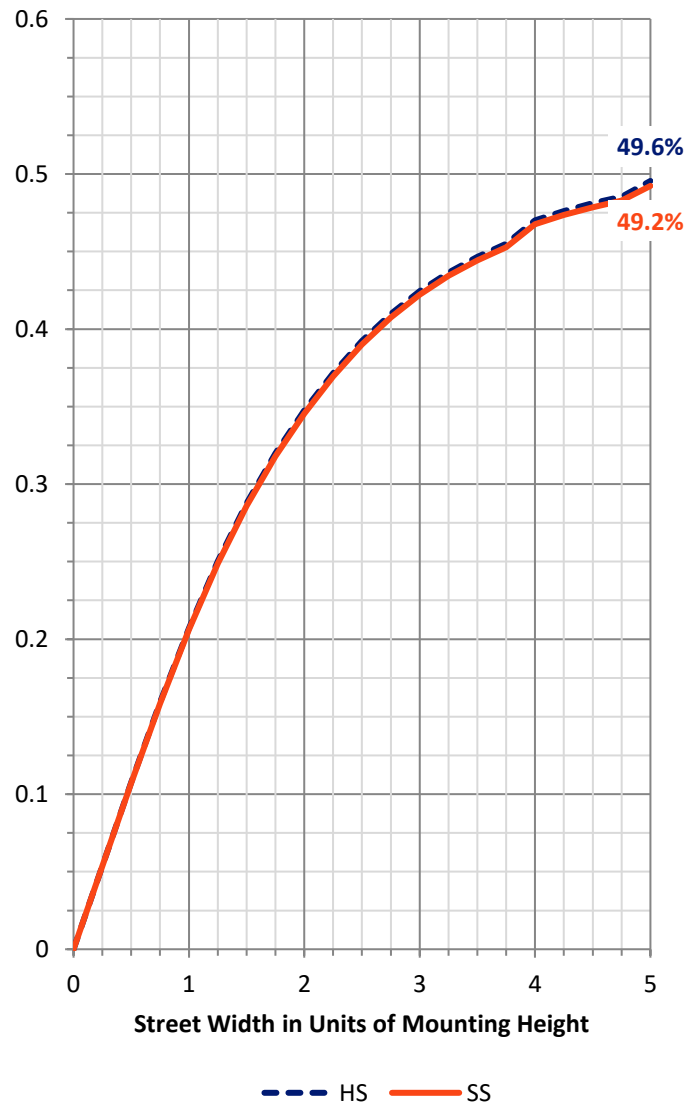
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1173.5	0.0	1173.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1173.5	0.0	1173.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2347.0	0.0	2347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.2
10°-20°	24.9	1.1
20°-30°	74.1	3.2
30°-40°	150.4	6.4
40°-50°	256.6	10.9
50°-60°	398.1	17.0
60°-70°	596.9	25.4
70°-80°	690.4	29.4
80°-90°	151.0	6.4
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°	2347.0	100.0
0°-180°	2347.0	100.0

Coefficient of Utilization



REPORT NUMBER: P156975

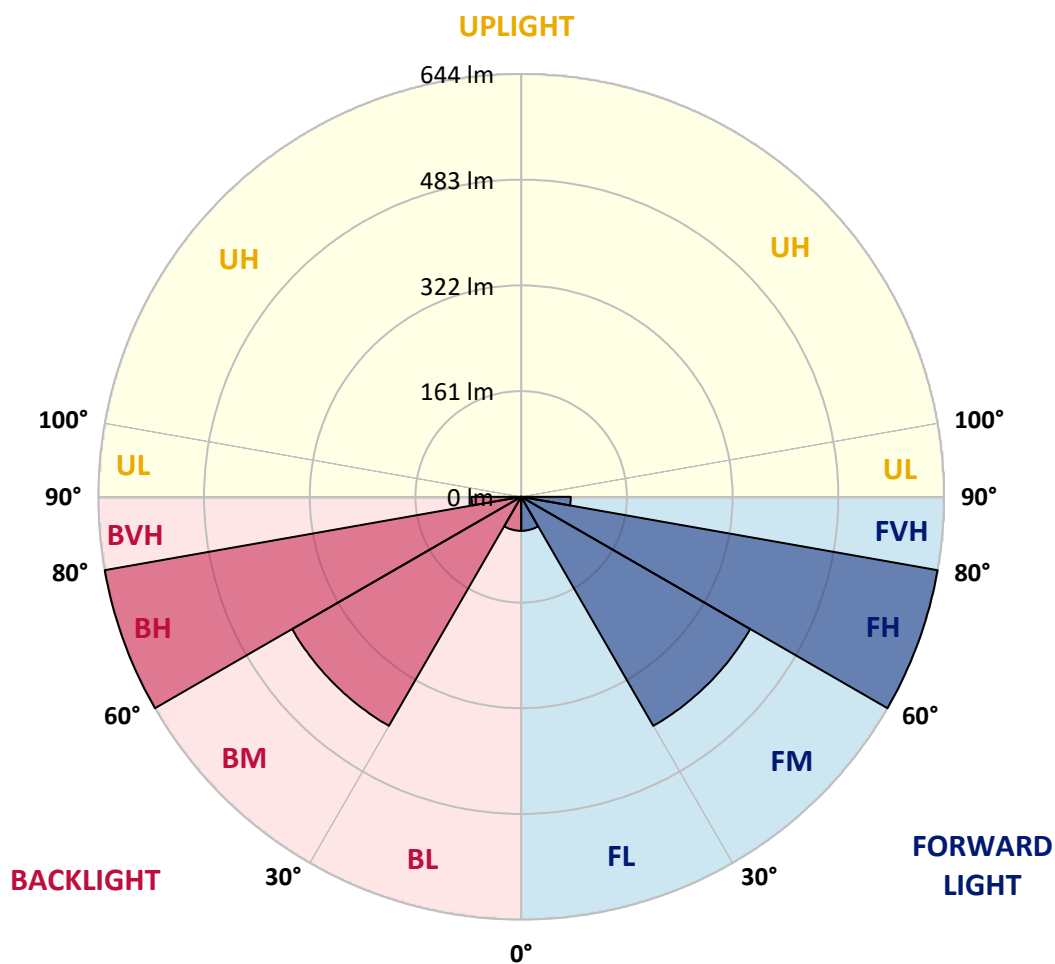
CATALOG NUMBER: UTLD-F01-LED-E-U-5XQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.8	2.2			
FM	(30°-60°)	402.6	17.2			
FH	(60°-80°)	643.6	27.4			G0/660
FVH	(80°-90°)	75.5	3.2			G1/100
BL	(0°-30°)	51.8	2.2	B0/110		
BM	(30°-60°)	402.6	17.2	B1/1000		
BH	(60°-80°)	643.6	27.4	B2/1000		G0/660
BVH	(80°-90°)	75.5	3.2			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: P156975

CATALOG NUMBER: UTLD-F01-LED-E-U-5XQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
2.5°	54.1	53.2	53.7	53.2	53.2	52.8	47.5	45.8	45.8	46.2	45.4
5°	40.0	40.5	40.0	41.3	42.1	40.5	40.5	41.3	41.7	48.7	49.5
7.5°	61.9	62.3	61.9	61.5	57.0	52.4	51.6	50.4	41.3	40.5	39.6
10°	64.4	64.4	65.2	63.6	63.2	63.2	62.7	62.3	59.9	58.6	49.9
12.5°	85.9	86.7	86.3	85.4	85.0	74.7	73.1	65.2	62.3	71.0	78.4
15°	89.6	89.2	90.0	88.3	87.5	87.5	83.8	87.1	93.3	86.3	80.9
17.5°	111.0	111.0	111.0	110.2	107.3	99.1	99.9	101.5	101.1	98.2	101.5
20°	124.2	124.2	123.4	115.6	110.2	115.2	122.2	118.5	113.5	115.2	118.1
22.5°	136.6	137.0	136.2	133.7	133.3	137.4	131.3	127.5	135.8	124.2	130.0
25°	161.0	161.4	160.2	148.6	146.9	146.9	146.1	148.2	142.8	149.8	159.7
27.5°	174.2	166.8	165.5	162.2	169.2	166.3	165.1	156.0	174.6	165.1	171.7
30°	194.0	194.0	192.3	190.3	189.0	180.4	177.1	182.9	183.7	185.7	203.1
32.5°	223.7	224.5	220.0	208.9	201.4	199.8	202.3	201.4	203.5	204.7	219.2
35°	248.1	248.5	240.2	232.8	227.4	222.1	220.8	217.9	223.3	223.7	234.9
37.5°	274.1	276.6	268.7	265.0	256.3	248.1	238.6	237.3	243.1	241.1	258.8
40°	312.9	314.1	307.1	298.8	280.7	271.2	260.5	259.2	259.6	269.1	277.8
42.5°	336.8	337.2	331.0	321.1	310.4	299.3	284.4	279.0	281.5	289.8	297.6
45°	363.6	363.2	357.9	350.0	338.9	324.4	306.7	302.1	304.6	314.9	322.0
47.5°	391.3	390.5	386.8	377.7	364.1	348.4	330.6	329.0	329.0	342.6	348.4
50°	418.1	418.5	414.8	406.2	389.6	374.4	360.3	353.7	355.8	369.8	376.4
52.5°	448.3	449.1	443.7	434.6	416.9	405.3	391.3	381.4	381.4	400.8	406.6
55°	479.6	480.0	476.7	465.2	451.6	437.9	421.4	409.5	409.9	431.3	436.3
57.5°	511.8	511.0	507.3	498.6	489.5	467.7	449.9	439.2	442.1	463.9	467.7
60°	545.7	545.3	541.5	533.3	519.7	492.8	482.5	475.9	473.4	500.7	501.1
62.5°	584.5	582.8	579.9	572.5	553.9	529.6	518.4	515.1	510.2	538.2	539.5
65°	632.4	629.5	627.4	619.1	600.6	572.1	557.6	561.4	558.1	592.7	588.2
67.5°	706.2	700.9	694.3	686.8	666.2	640.2	620.4	628.6	626.6	664.5	662.9
70°	766.1	762.8	762.4	761.5	751.6	735.1	713.3	720.3	728.9	776.8	771.9
72°	726.5	722.3	726.0	729.4	728.5	721.5	709.5	725.6	752.1	802.4	786.7
72.5°	717.0	712.8	715.3	718.2	718.2	711.6	700.9	716.1	744.2	793.3	778.5
75°	672.8	671.6	673.6	677.3	681.5	678.2	676.5	686.0	715.3	763.6	745.0
77.5°	600.2	601.8	604.3	609.7	617.5	621.2	630.7	645.6	678.6	721.5	706.2
80°	458.2	455.7	461.9	473.0	481.3	489.5	502.3	520.5	555.2	594.0	570.4
82.5°	153.1	171.3	181.2	202.7	230.7	250.1	277.8	314.1	356.6	388.8	359.5
85°	13.2	15.7	21.9	30.1	38.8	51.6	78.0	97.8	129.2	158.1	133.7
87.5°	3.3	5.4	9.5	13.2	13.6	14.0	15.7	16.9	18.6	19.0	23.5
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: P156975

CATALOG NUMBER: UTLD-F01-LED-E-U-5XQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
2.5°	44.6	42.5	38.8	35.1	34.7	34.3	33.8	33.4
5°	49.9	52.8	45.8	45.0	43.3	35.5	34.3	33.4
7.5°	40.0	40.5	47.1	47.1	42.5	41.3	34.3	33.4
10°	44.6	43.3	53.2	62.3	64.8	60.3	50.4	49.5
12.5°	75.9	66.0	57.0	57.8	64.8	62.7	56.1	49.1
15°	80.5	77.6	78.8	78.4	77.6	83.0	74.7	73.1
17.5°	99.1	96.2	95.3	85.0	80.5	80.9	83.0	77.6
20°	106.5	106.9	128.8	129.2	120.9	119.7	119.3	118.1
22.5°	144.1	143.2	138.7	137.0	128.8	152.7	156.0	156.0
25°	151.1	163.0	180.0	179.6	175.0	168.0	169.2	161.4
27.5°	188.2	188.2	187.8	191.9	198.1	194.4	191.9	188.2
30°	196.1	208.9	212.2	206.0	208.9	213.0	217.5	221.7
32.5°	218.8	216.7	228.7	234.0	238.6	241.9	231.1	235.3
35°	236.9	244.4	246.4	246.4	249.7	251.8	244.8	244.8
37.5°	257.6	260.9	259.2	261.7	262.9	267.5	266.6	264.6
40°	274.9	278.2	277.4	279.0	278.6	286.5	288.9	280.3
42.5°	296.8	298.8	297.6	298.4	303.8	307.5	315.4	310.0
45°	318.7	320.7	319.5	320.7	329.8	331.4	342.2	341.4
47.5°	343.8	344.2	344.2	348.4	356.2	357.5	369.4	369.0
50°	370.7	372.7	369.0	374.4	383.0	388.4	398.3	403.7
52.5°	400.8	402.4	392.9	406.2	413.2	421.4	426.4	435.1
55°	428.0	430.5	420.6	433.8	440.4	448.3	460.6	468.5
57.5°	456.9	455.3	455.3	458.6	464.8	475.5	491.6	506.0
60°	489.9	484.2	483.3	483.3	495.3	513.9	526.7	541.5
62.5°	528.3	518.8	520.5	514.7	528.7	551.5	566.7	585.3
65°	574.2	563.0	560.5	557.6	568.0	593.1	616.7	630.7
67.5°	642.3	625.7	616.7	613.8	625.7	649.7	679.4	694.3
70°	743.4	714.5	683.5	676.5	676.9	700.5	724.8	738.4
72°	744.2	707.9	665.0	650.5	658.8	674.5	696.3	704.6
72.5°	733.1	698.4	653.4	642.7	655.1	667.0	691.0	697.2
75°	707.9	673.2	628.2	621.2	626.2	634.0	656.7	658.8
77.5°	666.2	627.4	572.9	559.3	547.3	563.8	580.8	575.4
80°	534.5	490.4	438.8	428.4	407.8	419.0	428.9	421.0
82.5°	314.1	261.7	216.3	190.7	158.1	150.2	153.5	128.8
85°	99.9	66.9	47.1	31.8	28.1	21.9	18.2	15.7
87.5°	21.9	18.2	16.5	15.3	15.3	12.8	9.1	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)