

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: P156973

Luminaire Tested: **UTLD-F01-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156973
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-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1980.8 lumens
Efficiency: N/A
Efficacy: 76.5 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



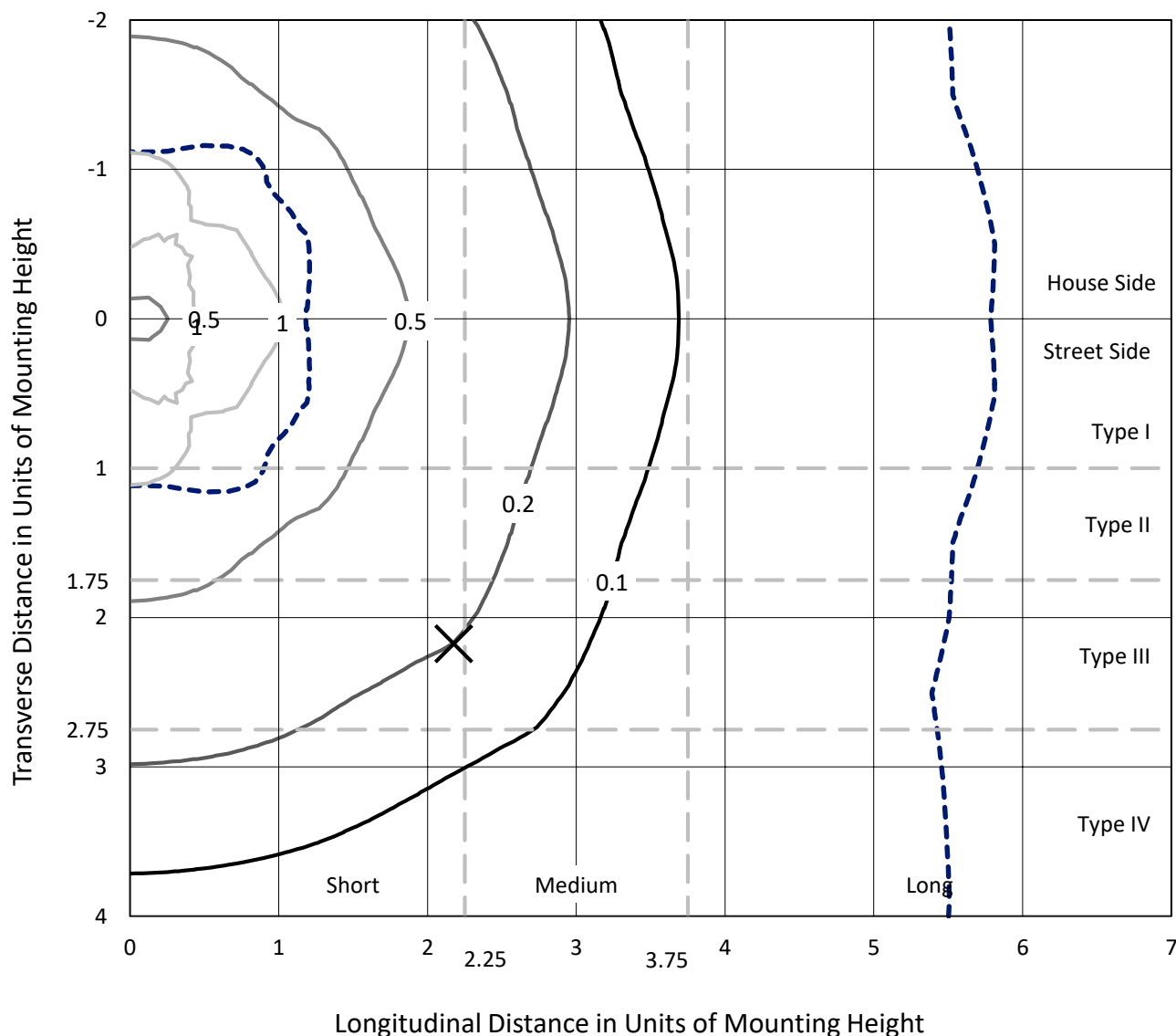
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

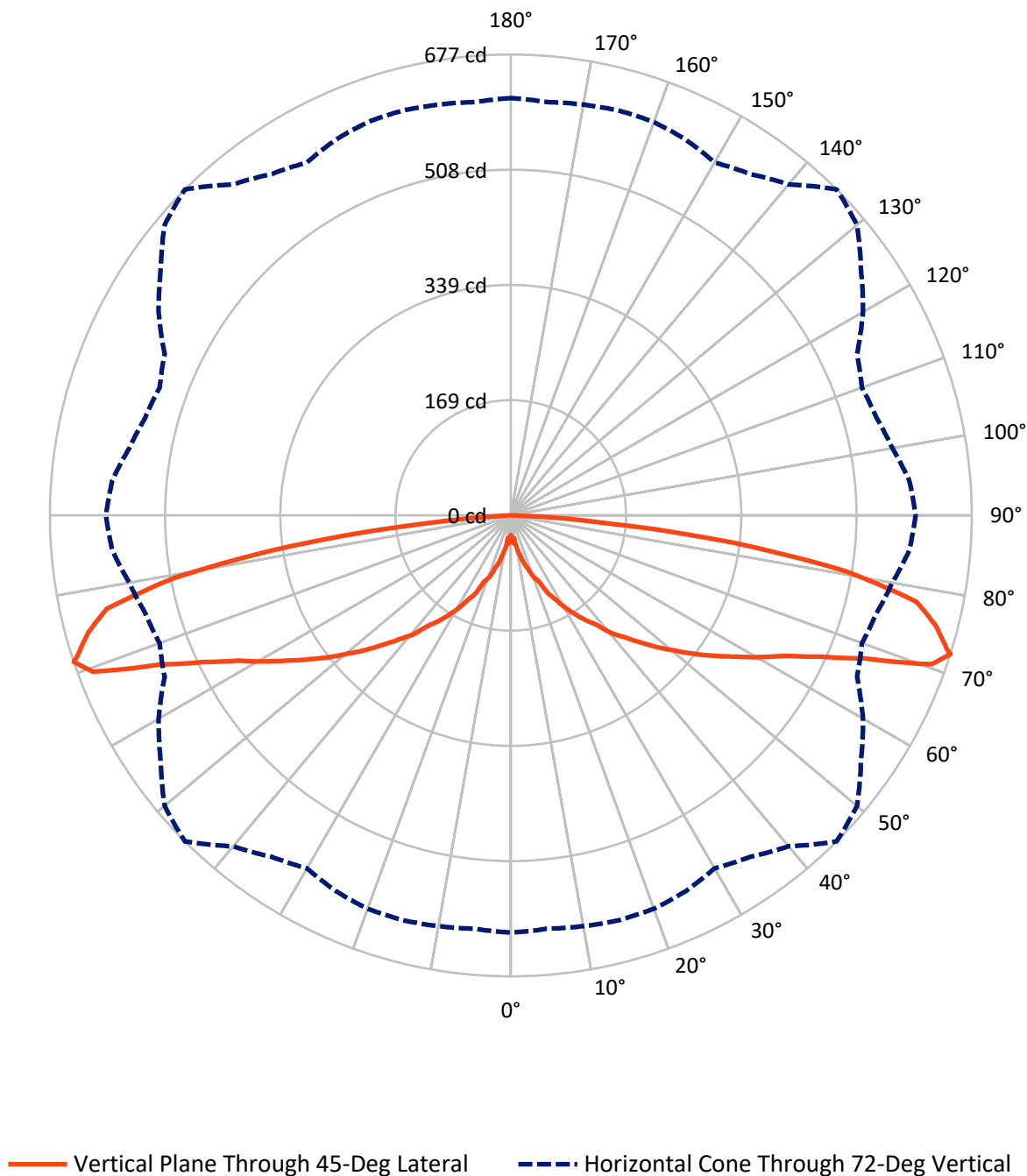


Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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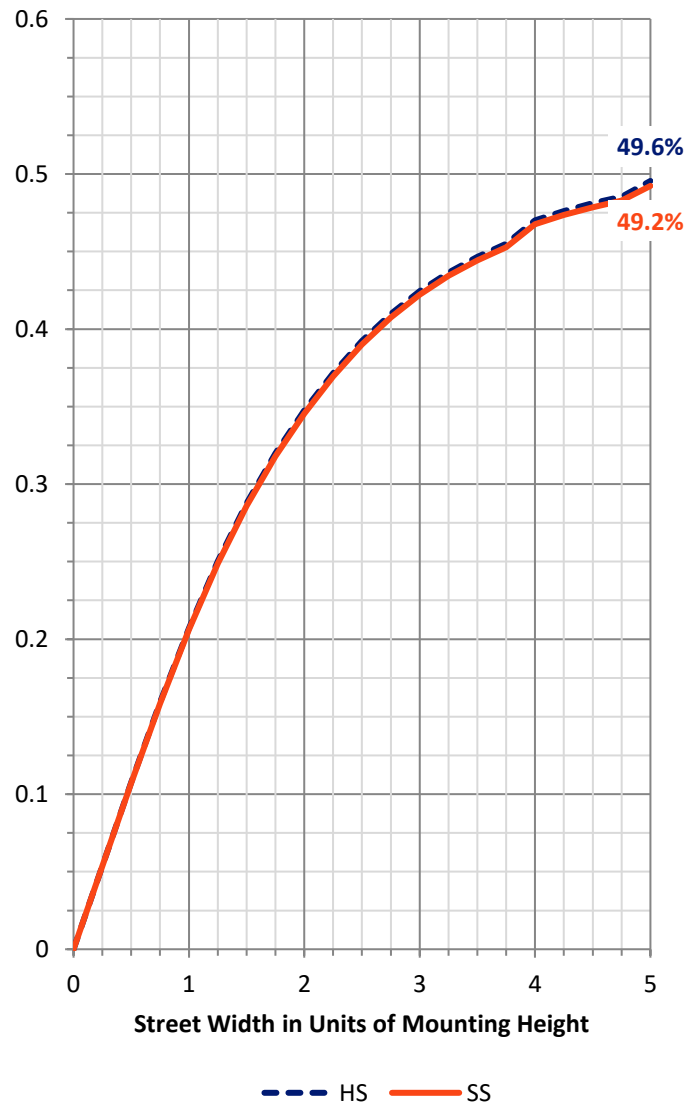
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	990.4	0.0	990.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	990.4	0.0	990.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	1980.8	0.0	1980.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.2
10°-20°	21.1	1.1
20°-30°	62.5	3.2
30°-40°	127.0	6.4
40°-50°	216.6	10.9
50°-60°	336.0	17.0
60°-70°	503.8	25.4
70°-80°	582.7	29.4
80°-90°	127.5	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°	1980.8	100.0
0°-180°	1980.8	100.0

Coefficient of Utilization



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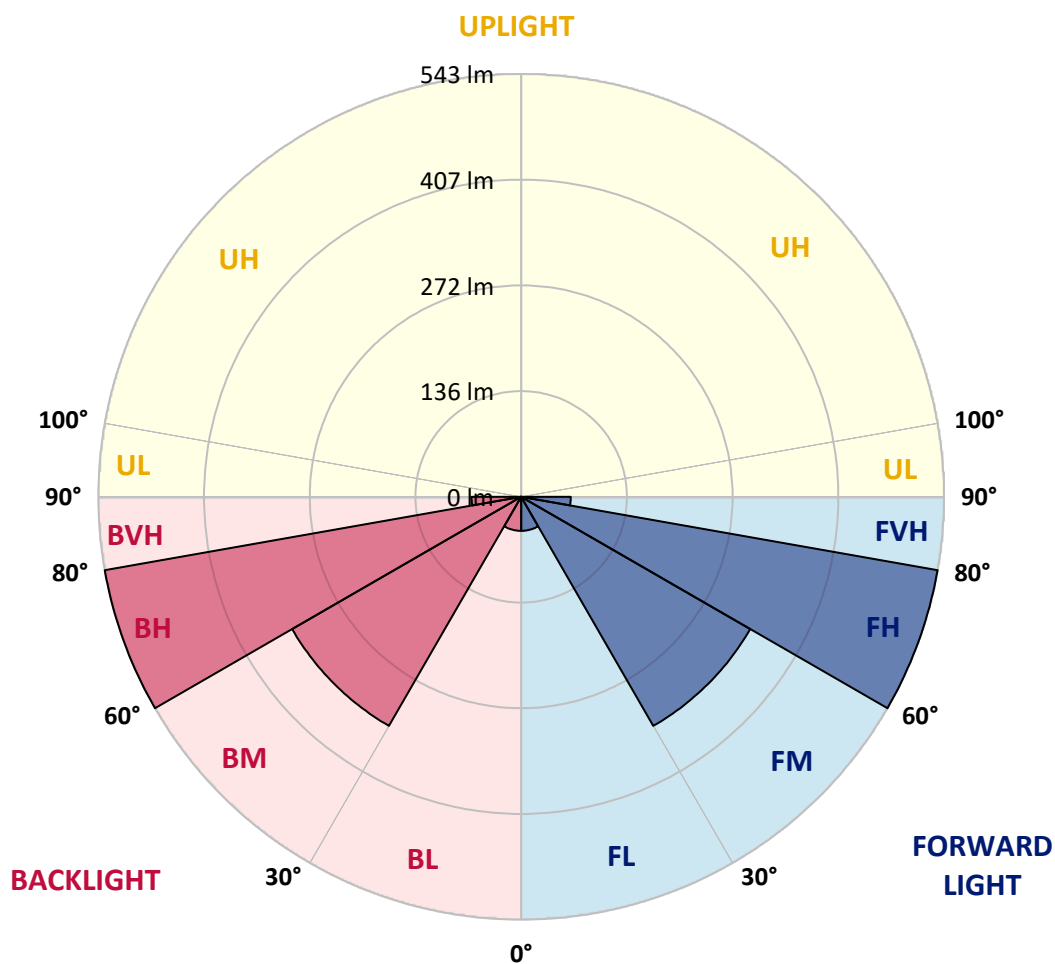
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	43.7	2.2			
FM	(30°-60°)	339.8	17.2			
FH	(60°-80°)	543.2	27.4			G0/660
FVH	(80°-90°)	63.7	3.2			G1/100
BL	(0°-30°)	43.7	2.2	B0/110		
BM	(30°-60°)	339.8	17.2	B1/1000		
BH	(60°-80°)	543.2	27.4	B2/1000		G0/660
BVH	(80°-90°)	63.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
2.5°	45.6	44.9	45.3	44.9	44.9	44.6	40.1	38.7	38.7	39.0	38.3
5°	33.8	34.1	33.8	34.8	35.5	34.1	34.1	34.8	35.2	41.1	41.8
7.5°	52.3	52.6	52.3	51.9	48.1	44.2	43.5	42.5	34.8	34.1	33.4
10°	54.3	54.3	55.0	53.6	53.3	53.3	53.0	52.6	50.5	49.5	42.2
12.5°	72.5	73.2	72.8	72.1	71.8	63.1	61.7	55.0	52.6	59.9	66.2
15°	75.6	75.2	75.9	74.6	73.9	73.9	70.7	73.5	78.7	72.8	68.3
17.5°	93.7	93.7	93.7	93.0	90.6	83.6	84.3	85.7	85.4	82.9	85.7
20°	104.9	104.9	104.2	97.5	93.0	97.2	103.1	100.0	95.8	97.2	99.6
22.5°	115.3	115.7	115.0	112.9	112.5	116.0	110.8	107.6	114.6	104.9	109.7
25°	135.9	136.2	135.2	125.4	124.0	124.0	123.3	125.1	120.5	126.5	134.8
27.5°	147.0	140.7	139.7	136.9	142.8	140.4	139.3	131.7	147.4	139.3	144.9
30°	163.7	163.7	162.3	160.6	159.6	152.2	149.4	154.3	155.0	156.8	171.4
32.5°	188.8	189.5	185.7	176.3	170.0	168.6	170.7	170.0	171.7	172.8	185.0
35°	209.4	209.7	202.8	196.5	192.0	187.4	186.4	183.9	188.5	188.8	198.2
37.5°	231.3	233.4	226.8	223.7	216.3	209.4	201.4	200.3	205.2	203.4	218.4
40°	264.1	265.1	259.2	252.2	236.9	228.9	219.8	218.8	219.1	227.1	234.5
42.5°	284.3	284.6	279.4	271.0	262.0	252.6	240.0	235.5	237.6	244.6	251.2
45°	306.9	306.6	302.0	295.4	286.0	273.8	258.8	255.0	257.1	265.8	271.7
47.5°	330.3	329.6	326.4	318.8	307.3	294.0	279.0	277.6	277.6	289.1	294.0
50°	352.9	353.2	350.1	342.8	328.9	316.0	304.1	298.6	300.3	312.1	317.7
52.5°	378.3	379.0	374.5	366.8	351.9	342.1	330.3	321.9	321.9	338.3	343.1
55°	404.8	405.2	402.4	392.6	381.1	369.6	355.7	345.6	345.9	364.0	368.2
57.5°	432.0	431.3	428.1	420.8	413.2	394.7	379.7	370.7	373.1	391.6	394.7
60°	460.5	460.2	457.1	450.1	438.6	416.0	407.2	401.7	399.6	422.6	422.9
62.5°	493.3	491.9	489.5	483.2	467.5	447.0	437.5	434.8	430.6	454.3	455.3
65°	533.7	531.3	529.5	522.6	506.9	482.8	470.6	473.8	471.0	500.3	496.4
67.5°	596.1	591.5	586.0	579.7	562.3	540.3	523.6	530.6	528.8	560.9	559.5
70°	646.6	643.8	643.4	642.7	634.4	620.4	602.0	607.9	615.2	655.6	651.4
72°	613.1	609.6	612.8	615.6	614.9	608.9	598.8	612.4	634.7	677.2	664.0
72.5°	605.1	601.6	603.7	606.2	606.2	600.6	591.5	604.4	628.1	669.6	657.0
75°	567.8	566.8	568.5	571.7	575.2	572.4	571.0	579.0	603.7	644.5	628.8
77.5°	506.5	507.9	510.0	514.5	521.2	524.3	532.3	544.8	572.7	608.9	596.1
80°	386.7	384.6	389.8	399.2	406.2	413.2	424.0	439.3	468.6	501.3	481.4
82.5°	129.2	144.6	152.9	171.0	194.7	211.1	234.5	265.1	301.0	328.2	303.4
85°	11.1	13.2	18.5	25.4	32.7	43.5	65.8	82.6	109.0	133.4	112.9
87.5°	2.8	4.5	8.0	11.1	11.5	11.8	13.2	14.3	15.7	16.0	19.9
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°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
2.5°	37.6	35.9	32.7	29.6	29.3	28.9	28.6	28.2
5°	42.2	44.6	38.7	38.0	36.6	30.0	28.9	28.2
7.5°	33.8	34.1	39.7	39.7	35.9	34.8	28.9	28.2
10°	37.6	36.6	44.9	52.6	54.7	50.9	42.5	41.8
12.5°	64.1	55.7	48.1	48.8	54.7	53.0	47.4	41.5
15°	67.9	65.5	66.5	66.2	65.5	70.0	63.1	61.7
17.5°	83.6	81.2	80.5	71.8	67.9	68.3	70.0	65.5
20°	89.9	90.2	108.7	109.0	102.1	101.0	100.7	99.6
22.5°	121.6	120.9	117.1	115.7	108.7	128.9	131.7	131.7
25°	127.5	137.6	151.9	151.5	147.7	141.8	142.8	136.2
27.5°	158.9	158.9	158.5	162.0	167.2	164.1	162.0	158.9
30°	165.5	176.3	179.1	173.8	176.3	179.8	183.6	187.1
32.5°	184.6	182.9	193.0	197.5	201.4	204.1	195.1	198.6
35°	200.0	206.2	208.0	208.0	210.8	212.5	206.6	206.6
37.5°	217.4	220.2	218.8	220.9	221.9	225.7	225.0	223.3
40°	232.0	234.8	234.1	235.5	235.1	241.8	243.9	236.5
42.5°	250.5	252.2	251.2	251.9	256.4	259.5	266.2	261.6
45°	268.9	270.7	269.6	270.7	278.3	279.7	288.8	288.1
47.5°	290.2	290.5	290.5	294.0	300.6	301.7	311.8	311.4
50°	312.8	314.6	311.4	316.0	323.3	327.8	336.2	340.7
52.5°	338.3	339.7	331.6	342.8	348.7	355.7	359.9	367.2
55°	361.3	363.3	355.0	366.1	371.7	378.3	388.8	395.4
57.5°	385.6	384.2	384.2	387.0	392.3	401.3	414.9	427.1
60°	413.5	408.6	407.9	407.9	418.0	433.7	444.5	457.1
62.5°	445.9	437.9	439.3	434.4	446.3	465.4	478.3	494.0
65°	484.6	475.2	473.1	470.6	479.4	500.6	520.5	532.3
67.5°	542.1	528.1	520.5	518.0	528.1	548.3	573.4	586.0
70°	627.4	603.0	576.9	571.0	571.3	591.2	611.7	623.2
72°	628.1	597.5	561.2	549.0	556.0	569.2	587.7	594.7
72.5°	618.7	589.4	551.5	542.4	552.9	563.0	583.2	588.4
75°	597.5	568.2	530.2	524.3	528.5	535.1	554.3	556.0
77.5°	562.3	529.5	483.5	472.0	461.9	475.9	490.2	485.6
80°	451.1	413.9	370.3	361.6	344.2	353.6	362.0	355.3
82.5°	265.1	220.9	182.5	160.9	133.4	126.8	129.6	108.7
85°	84.3	56.4	39.7	26.8	23.7	18.5	15.3	13.2
87.5°	18.5	15.3	13.9	12.9	12.9	10.8	7.7	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)