

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: P156969

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156969
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-E01-LED-E-U-5XQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2596.7 lumens
Efficiency: N/A
Efficacy: 105.1 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): 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



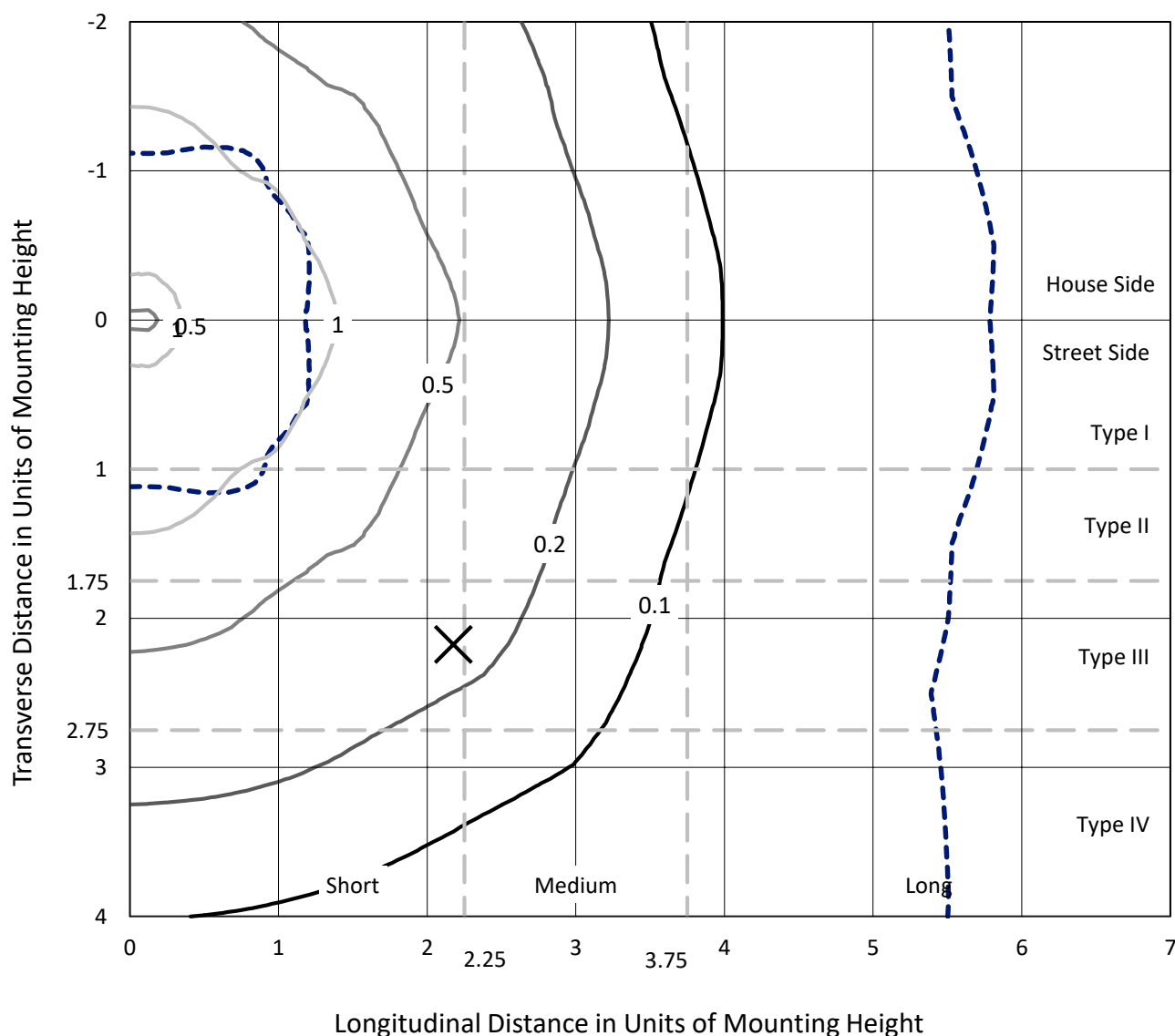
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

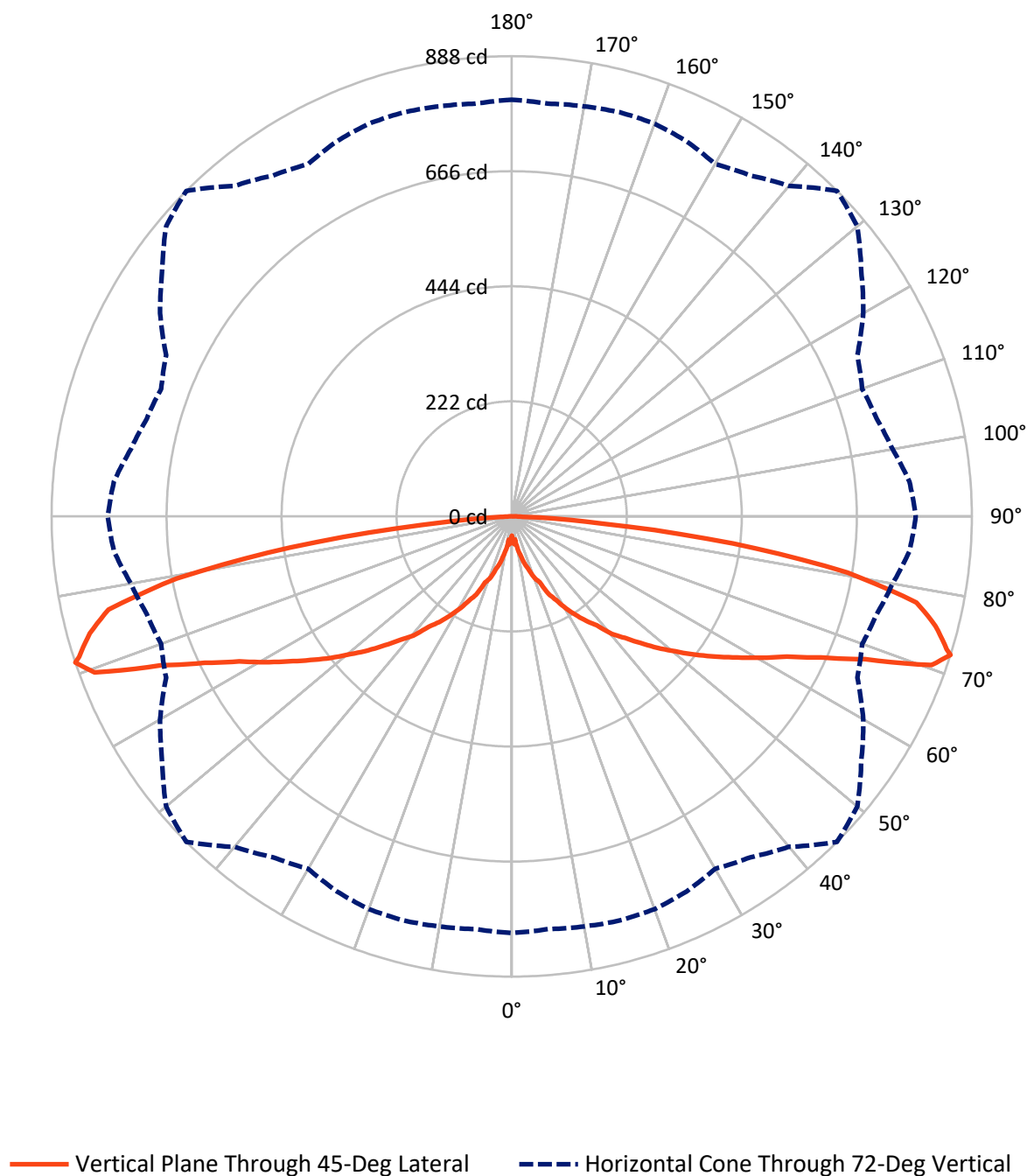


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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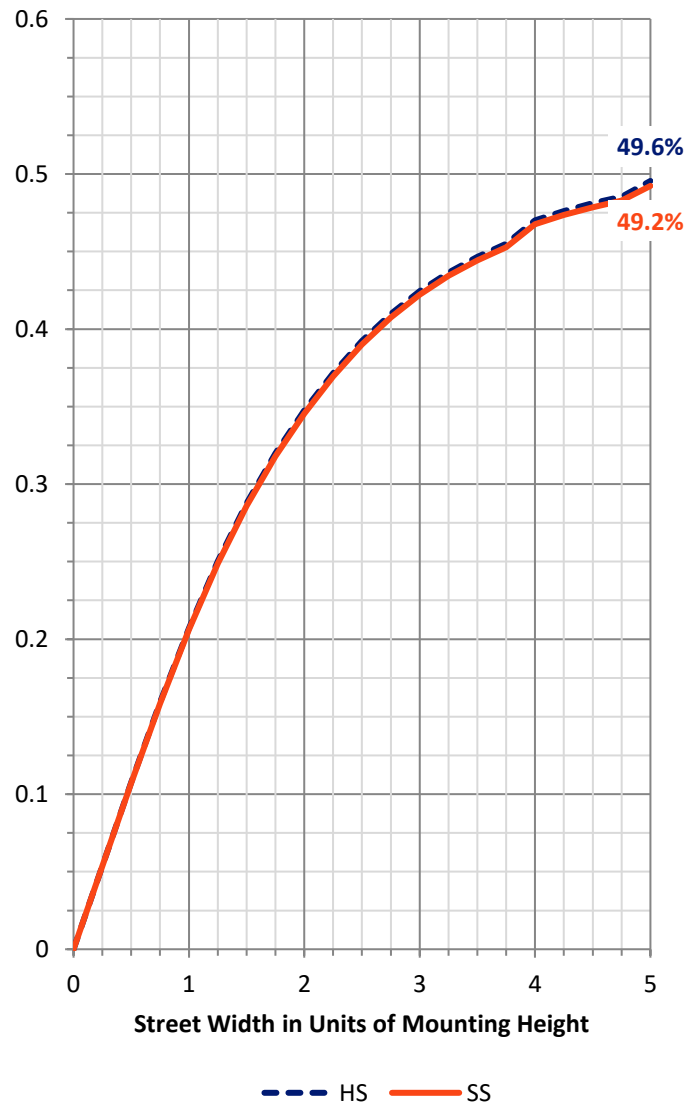
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1298.4	0.0	1298.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1298.4	0.0	1298.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2596.7	0.0	2596.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.2
10°-20°	27.6	1.1
20°-30°	81.9	3.2
30°-40°	166.4	6.4
40°-50°	283.9	10.9
50°-60°	440.4	17.0
60°-70°	660.4	25.4
70°-80°	763.8	29.4
80°-90°	167.1	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°	2596.7	100.0
0°-180°	2596.7	100.0

Coefficient of Utilization



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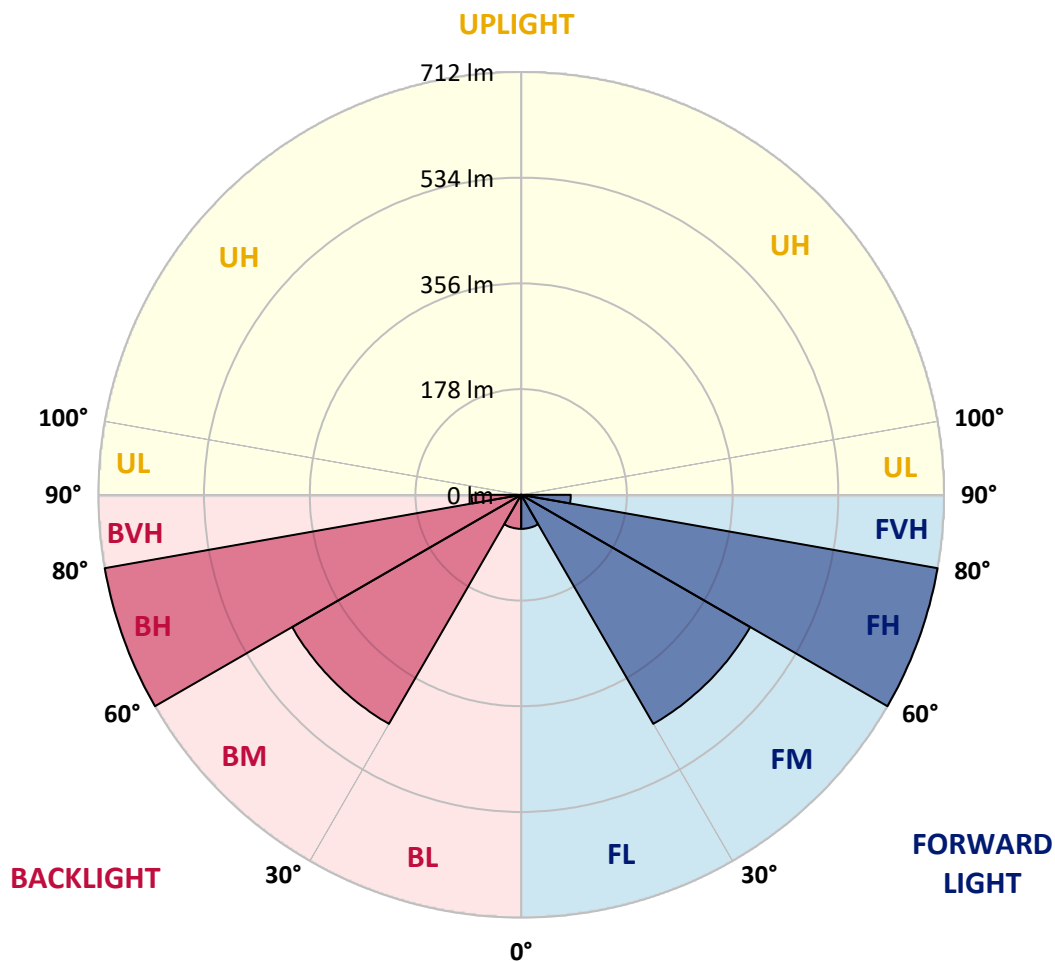
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.3	2.2			
FM	(30°-60°)	445.4	17.2			
FH	(60°-80°)	712.1	27.4			G1/1800
FVH	(80°-90°)	83.6	3.2			G1/100
BL	(0°-30°)	57.3	2.2	B0/110		
BM	(30°-60°)	445.4	17.2	B1/1000		
BH	(60°-80°)	712.1	27.4	B2/1000		G1/1800
BVH	(80°-90°)	83.6	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°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2.5°	59.8	58.9	59.4	58.9	58.9	58.5	52.5	50.7	50.7	51.1	50.2
5°	44.3	44.8	44.3	45.7	46.6	44.8	44.8	45.7	46.1	53.9	54.8
7.5°	68.5	69.0	68.5	68.0	63.0	58.0	57.1	55.7	45.7	44.8	43.8
10°	71.2	71.2	72.2	70.3	69.9	69.9	69.4	69.0	66.2	64.8	55.3
12.5°	95.0	95.9	95.4	94.5	94.1	82.7	80.8	72.2	69.0	78.5	86.8
15°	99.1	98.6	99.6	97.7	96.8	96.8	92.7	96.4	103.2	95.4	89.5
17.5°	122.8	122.8	122.8	121.9	118.7	109.6	110.5	112.3	111.9	108.7	112.3
20°	137.5	137.5	136.5	127.9	121.9	127.4	135.2	131.1	125.6	127.4	130.6
22.5°	151.2	151.6	150.7	148.0	147.5	152.1	145.2	141.1	150.2	137.5	143.9
25°	178.1	178.6	177.2	164.4	162.6	162.6	161.7	163.9	158.0	165.8	176.7
27.5°	192.7	184.5	183.1	179.5	187.2	184.0	182.7	172.6	193.2	182.7	190.0
30°	214.6	214.6	212.8	210.5	209.2	199.6	195.9	202.3	203.2	205.5	224.7
32.5°	247.5	248.4	243.4	231.1	222.9	221.0	223.8	222.9	225.1	226.5	242.5
35°	274.5	274.9	265.8	257.6	251.6	245.7	244.3	241.1	247.1	247.5	259.8
37.5°	303.2	306.0	297.3	293.2	283.6	274.5	264.0	262.6	269.0	266.7	286.3
40°	346.2	347.5	339.8	330.6	310.5	300.0	288.2	286.8	287.2	297.8	307.3
42.5°	372.6	373.1	366.3	355.3	343.4	331.1	314.6	308.7	311.5	320.6	329.3
45°	402.3	401.9	395.9	387.3	374.9	358.9	339.3	334.3	337.0	348.4	356.2
47.5°	432.9	432.0	427.9	417.9	402.8	385.4	365.8	364.0	364.0	379.0	385.4
50°	462.6	463.1	459.0	449.4	431.1	414.2	398.7	391.4	393.7	409.2	416.5
52.5°	495.9	496.9	490.9	480.9	461.2	448.5	432.9	422.0	422.0	443.4	449.8
55°	530.7	531.1	527.5	514.7	499.6	484.5	466.3	453.0	453.5	477.2	482.7
57.5°	566.3	565.4	561.3	551.7	541.6	517.4	497.8	485.9	489.1	513.3	517.4
60°	603.7	603.3	599.2	590.0	575.0	545.3	533.9	526.5	523.8	553.9	554.4
62.5°	646.7	644.8	641.6	633.4	612.9	585.9	573.6	569.9	564.5	595.5	596.9
65°	699.6	696.4	694.1	685.0	664.5	633.0	617.0	621.1	617.4	655.8	650.8
67.5°	781.4	775.4	768.1	759.9	737.1	708.3	686.4	695.5	693.2	735.2	733.4
70°	847.6	843.9	843.5	842.6	831.6	813.3	789.1	796.9	806.5	859.5	854.0
72°	803.7	799.2	803.3	806.9	806.0	798.3	785.0	802.8	832.1	887.8	870.4
72.5°	793.2	788.7	791.4	794.6	794.6	787.3	775.4	792.3	823.4	877.7	861.3
75°	744.4	743.0	745.3	749.4	754.0	750.3	748.5	759.0	791.4	844.8	824.3
77.5°	664.0	665.8	668.6	674.5	683.2	687.3	697.8	714.2	750.8	798.3	781.4
80°	506.9	504.2	511.0	523.3	532.5	541.6	555.8	575.9	614.2	657.2	631.1
82.5°	169.4	189.5	200.5	224.2	255.3	276.7	307.3	347.5	394.6	430.2	397.8
85°	14.6	17.4	24.2	33.3	42.9	57.1	86.3	108.2	142.9	174.9	148.0
87.5°	3.7	5.9	10.5	14.6	15.1	15.5	17.4	18.7	20.6	21.0	26.0
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°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2.5°	49.3	47.0	42.9	38.8	38.4	37.9	37.4	37.0
5°	55.3	58.5	50.7	49.8	48.0	39.3	37.9	37.0
7.5°	44.3	44.8	52.1	52.1	47.0	45.7	37.9	37.0
10°	49.3	48.0	58.9	69.0	71.7	66.7	55.7	54.8
12.5°	84.0	73.1	63.0	63.9	71.7	69.4	62.1	54.3
15°	89.1	85.9	87.2	86.8	85.9	91.8	82.7	80.8
17.5°	109.6	106.4	105.5	94.1	89.1	89.5	91.8	85.9
20°	117.8	118.3	142.5	142.9	133.8	132.4	132.0	130.6
22.5°	159.4	158.5	153.4	151.6	142.5	169.0	172.6	172.6
25°	167.1	180.4	199.1	198.7	193.6	185.9	187.2	178.6
27.5°	208.2	208.2	207.8	212.4	219.2	215.1	212.4	208.2
30°	216.9	231.1	234.7	227.9	231.1	235.6	240.7	245.2
32.5°	242.0	239.8	253.0	258.9	264.0	267.6	255.7	260.3
35°	262.1	270.4	272.6	272.6	276.3	278.6	270.8	270.8
37.5°	285.0	288.6	286.8	289.5	290.9	295.9	295.0	292.7
40°	304.1	307.8	306.9	308.7	308.3	316.9	319.7	310.1
42.5°	328.3	330.6	329.3	330.2	336.1	340.2	348.9	343.0
45°	352.6	354.8	353.5	354.8	364.9	366.7	378.6	377.7
47.5°	380.4	380.9	380.9	385.4	394.1	395.5	408.7	408.3
50°	410.1	412.4	408.3	414.2	423.8	429.7	440.7	446.6
52.5°	443.4	445.3	434.8	449.4	457.1	466.3	471.7	481.3
55°	473.6	476.3	465.4	480.0	487.3	495.9	509.6	518.3
57.5°	505.5	503.7	503.7	507.4	514.2	526.1	543.9	559.9
60°	542.1	535.7	534.8	534.8	548.0	568.6	582.7	599.2
62.5°	584.5	574.0	575.9	569.5	585.0	610.1	627.0	647.6
65°	635.2	622.9	620.2	617.0	628.4	656.2	682.3	697.8
67.5°	710.6	692.3	682.3	679.1	692.3	718.8	751.7	768.1
70°	822.5	790.5	756.3	748.5	748.9	775.0	801.9	817.0
72°	823.4	783.2	735.7	719.7	728.9	746.2	770.4	779.5
72.5°	811.1	772.7	722.9	711.0	724.7	738.0	764.5	771.3
75°	783.2	744.8	695.1	687.3	692.8	701.5	726.6	728.9
77.5°	737.1	694.1	633.9	618.8	605.6	623.8	642.5	636.6
80°	591.4	542.5	485.4	474.0	451.2	463.5	474.5	465.8
82.5°	347.5	289.5	239.3	211.0	174.9	166.2	169.9	142.5
85°	110.5	74.0	52.1	35.2	31.1	24.2	20.1	17.4
87.5°	24.2	20.1	18.3	16.9	16.9	14.2	10.0	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)