

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: P156971

Luminaire Tested: **UTLD-E01-LED-E-U-5XQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156971
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2917.3 lumens
Efficiency: N/A
Efficacy: 118.1 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



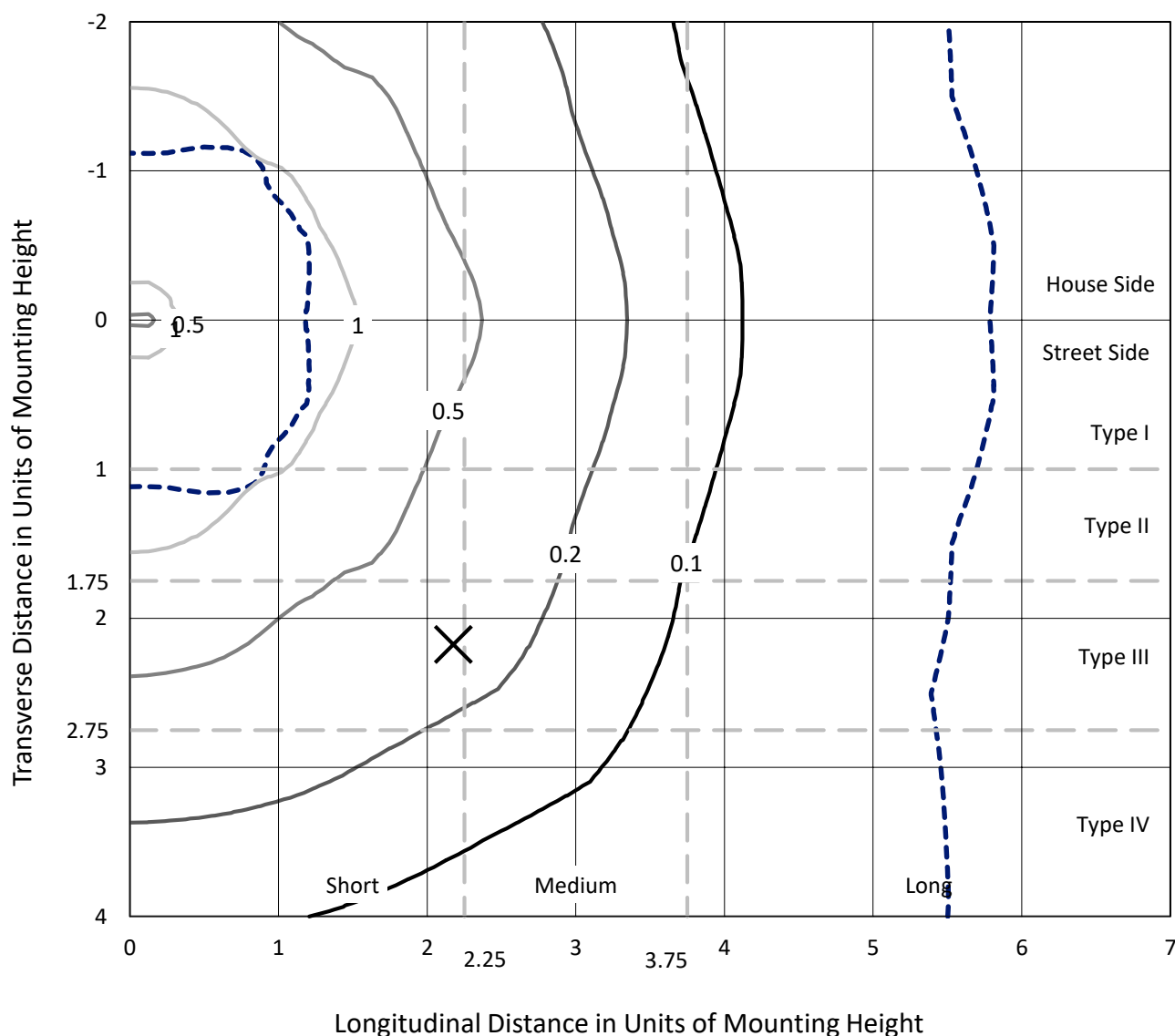
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



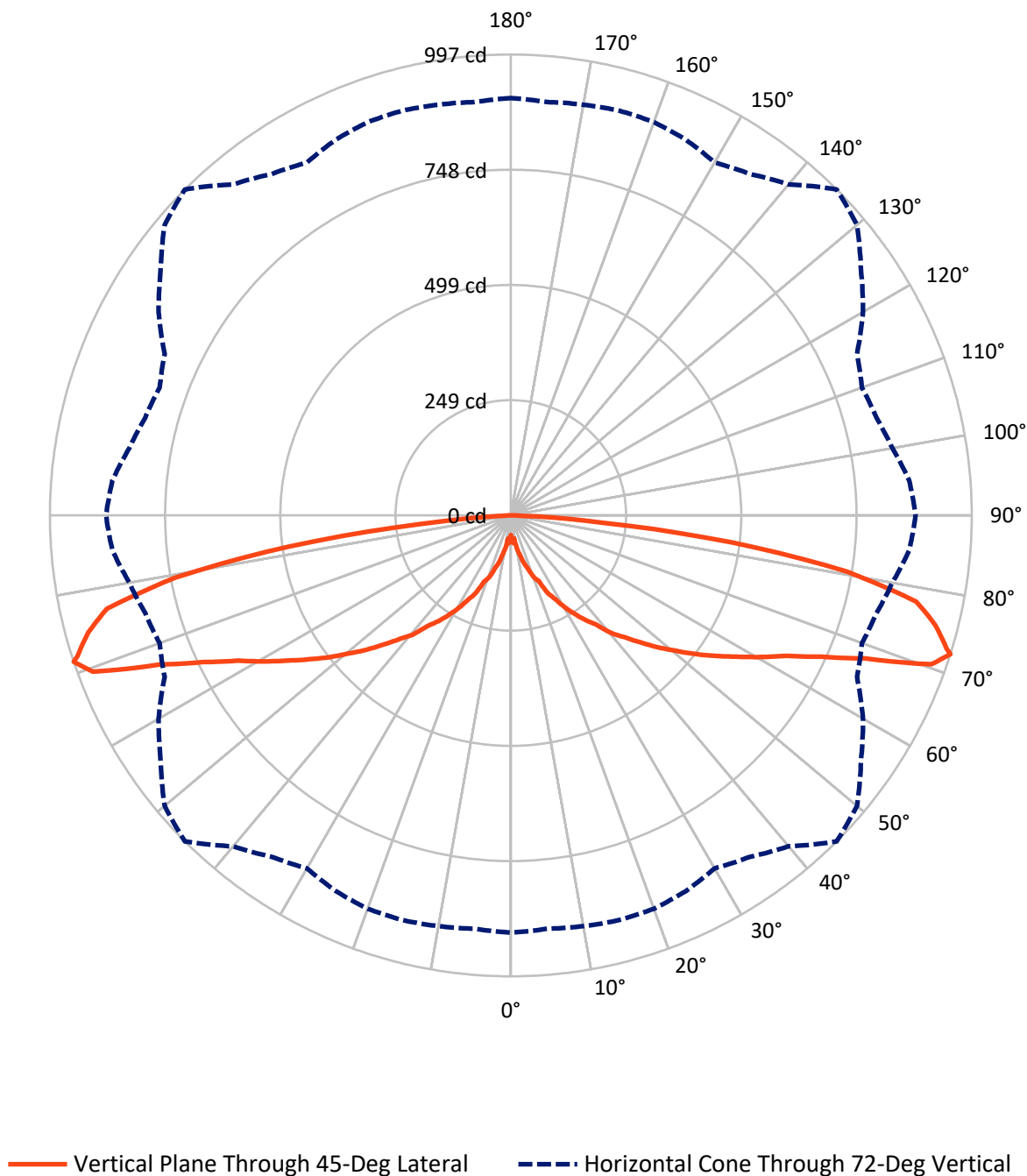
Based on 10 foot mounting height. Maximum calculated value = 1.8 fc

Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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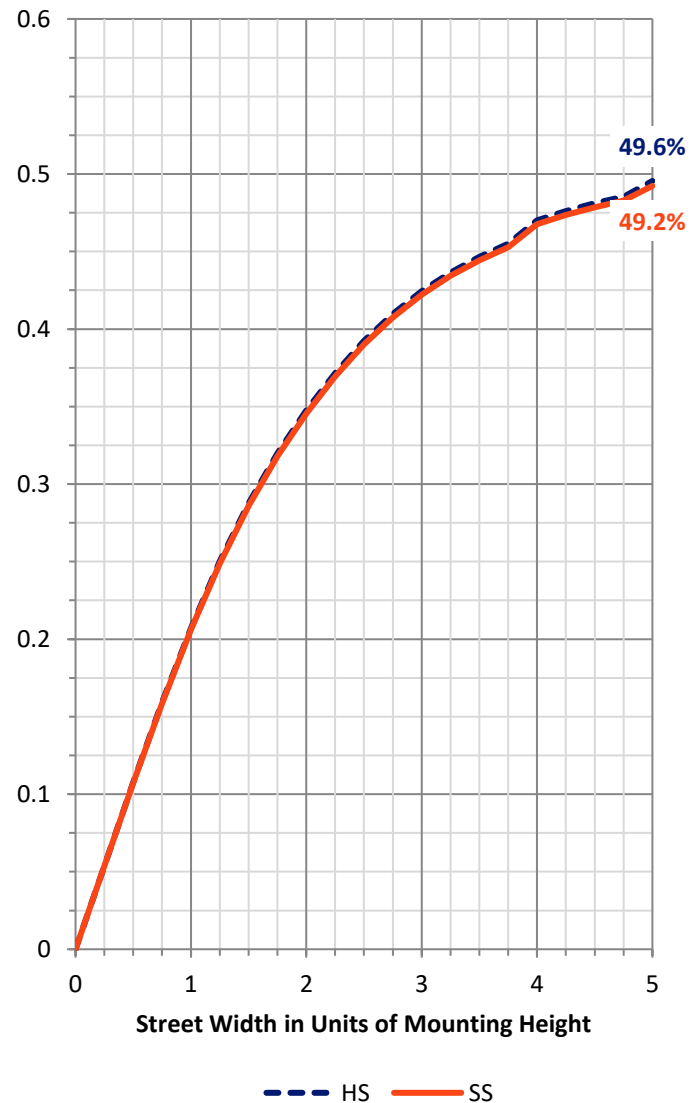
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1458.6	0.0	1458.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1458.6	0.0	1458.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2917.3	0.0	2917.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.2
10°-20°	31.0	1.1
20°-30°	92.1	3.2
30°-40°	187.0	6.4
40°-50°	319.0	10.9
50°-60°	494.8	17.0
60°-70°	741.9	25.4
70°-80°	858.1	29.4
80°-90°	187.7	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°	2917.3	100.0
0°-180°	2917.3	100.0

Coefficient of Utilization



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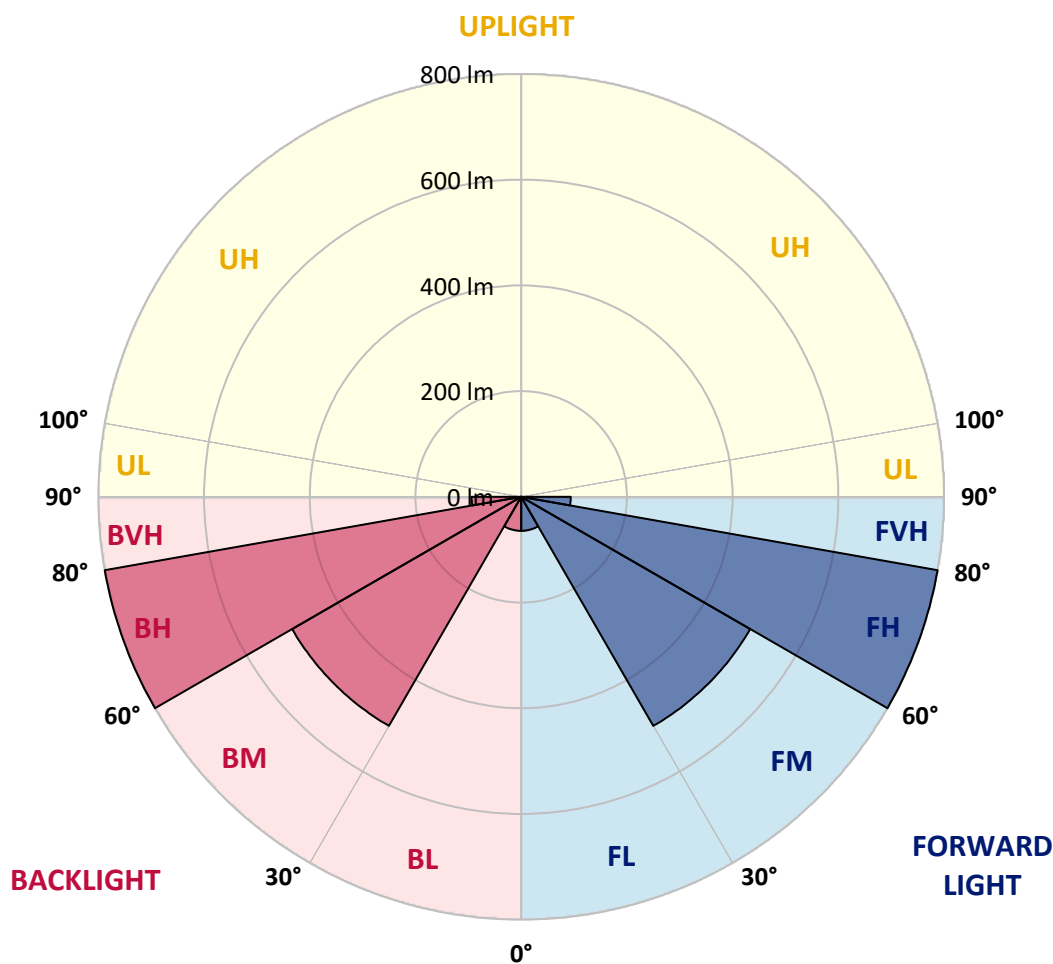
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.4	2.2			
FM	(30°-60°)	500.4	17.2			
FH	(60°-80°)	800.0	27.4			G1/1800
FVH	(80°-90°)	93.9	3.2			G1/100
BL	(0°-30°)	64.4	2.2	B0/110		
BM	(30°-60°)	500.4	17.2	B1/1000		
BH	(60°-80°)	800.0	27.4	B2/1000		G1/1800
BVH	(80°-90°)	93.9	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°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2.5°	67.2	66.2	66.7	66.2	66.2	65.7	59.0	56.9	56.9	57.5	56.4
5°	49.8	50.3	49.8	51.3	52.3	50.3	50.3	51.3	51.8	60.5	61.6
7.5°	77.0	77.5	77.0	76.4	70.8	65.2	64.1	62.6	51.3	50.3	49.3
10°	80.0	80.0	81.1	79.0	78.5	78.5	78.0	77.5	74.4	72.9	62.1
12.5°	106.7	107.7	107.2	106.2	105.7	92.9	90.8	81.1	77.5	88.2	97.5
15°	111.3	110.8	111.8	109.8	108.8	108.8	104.1	108.3	115.9	107.2	100.6
17.5°	138.0	138.0	138.0	137.0	133.4	123.1	124.2	126.2	125.7	122.1	126.2
20°	154.4	154.4	153.4	143.7	137.0	143.1	151.9	147.2	141.1	143.1	146.7
22.5°	169.8	170.3	169.3	166.2	165.7	170.8	163.2	158.5	168.8	154.4	161.6
25°	200.1	200.6	199.1	184.7	182.6	182.6	181.6	184.2	177.5	186.2	198.6
27.5°	216.5	207.3	205.7	201.6	210.4	206.8	205.2	193.9	217.0	205.2	213.4
30°	241.1	241.1	239.1	236.5	235.0	224.2	220.1	227.3	228.3	230.9	252.4
32.5°	278.1	279.1	273.5	259.6	250.4	248.3	251.4	250.4	252.9	254.5	272.4
35°	308.3	308.9	298.6	289.4	282.7	276.0	274.5	270.9	277.6	278.1	291.9
37.5°	340.7	343.7	334.0	329.4	318.6	308.3	296.5	295.0	302.2	299.6	321.7
40°	388.9	390.4	381.7	371.5	348.9	337.1	323.7	322.2	322.7	334.5	345.3
42.5°	418.7	419.2	411.5	399.2	385.8	372.0	353.5	346.8	349.9	360.2	369.9
45°	452.0	451.5	444.8	435.1	421.2	403.3	381.2	375.6	378.6	391.5	400.2
47.5°	486.4	485.3	480.7	469.4	452.5	433.0	411.0	408.9	408.9	425.8	433.0
50°	519.7	520.2	515.6	504.8	484.3	465.3	447.9	439.7	442.3	459.7	467.9
52.5°	557.2	558.2	551.5	540.2	518.2	503.8	486.4	474.1	474.1	498.2	505.4
55°	596.2	596.7	592.6	578.2	561.3	544.3	523.8	508.9	509.5	536.1	542.3
57.5°	636.2	635.2	630.5	619.8	608.5	581.3	559.2	545.9	549.5	576.7	581.3
60°	678.3	677.7	673.1	662.9	645.9	612.6	599.8	591.5	588.5	622.3	622.8
62.5°	726.5	724.4	720.8	711.6	688.5	658.2	644.4	640.3	634.1	669.0	670.6
65°	786.0	782.4	779.8	769.6	746.5	711.1	693.1	697.8	693.6	736.7	731.1
67.5°	877.8	871.2	863.0	853.7	828.1	795.7	771.1	781.4	778.8	826.0	824.0
70°	952.2	948.1	947.6	946.6	934.3	913.7	886.6	895.3	906.1	965.6	959.4
72°	903.0	897.8	902.5	906.6	905.5	896.8	881.9	901.9	934.8	997.4	977.9
72.5°	891.2	886.0	889.1	892.7	892.7	884.5	871.2	890.1	925.0	986.1	967.6
75°	836.3	834.7	837.3	841.9	847.1	842.9	840.9	852.7	889.1	949.1	926.1
77.5°	746.0	748.0	751.1	757.8	767.5	772.1	783.9	802.4	843.5	896.8	877.8
80°	569.5	566.4	574.1	588.0	598.2	608.5	624.4	647.0	690.1	738.3	709.0
82.5°	190.3	212.9	225.2	251.9	286.8	310.9	345.3	390.4	443.3	483.3	446.9
85°	16.4	19.5	27.2	37.5	48.2	64.1	97.0	121.6	160.6	196.5	166.2
87.5°	4.1	6.7	11.8	16.4	16.9	17.4	19.5	21.0	23.1	23.6	29.2
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°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2.5°	55.4	52.8	48.2	43.6	43.1	42.6	42.1	41.6
5°	62.1	65.7	56.9	55.9	53.9	44.1	42.6	41.6
7.5°	49.8	50.3	58.5	58.5	52.8	51.3	42.6	41.6
10°	55.4	53.9	66.2	77.5	80.5	74.9	62.6	61.6
12.5°	94.4	82.1	70.8	71.8	80.5	78.0	69.8	61.1
15°	100.0	96.5	98.0	97.5	96.5	103.1	92.9	90.8
17.5°	123.1	119.5	118.5	105.7	100.0	100.6	103.1	96.5
20°	132.4	132.9	160.1	160.6	150.3	148.8	148.3	146.7
22.5°	179.1	178.0	172.4	170.3	160.1	189.8	193.9	193.9
25°	187.8	202.7	223.7	223.2	217.5	208.8	210.4	200.6
27.5°	234.0	234.0	233.4	238.6	246.3	241.6	238.6	234.0
30°	243.7	259.6	263.7	256.0	259.6	264.7	270.4	275.5
32.5°	271.9	269.4	284.2	290.9	296.5	300.6	287.3	292.4
35°	294.5	303.7	306.3	306.3	310.4	313.0	304.2	304.2
37.5°	320.1	324.2	322.2	325.3	326.8	332.5	331.4	328.9
40°	341.7	345.8	344.8	346.8	346.3	356.1	359.1	348.4
42.5°	368.9	371.5	369.9	370.9	377.6	382.2	392.0	385.3
45°	396.1	398.6	397.1	398.6	409.9	412.0	425.3	424.3
47.5°	427.4	427.9	427.9	433.0	442.8	444.3	459.2	458.7
50°	460.7	463.3	458.7	465.3	476.1	482.8	495.1	501.8
52.5°	498.2	500.2	488.4	504.8	513.6	523.8	530.0	540.8
55°	532.0	535.1	522.8	539.2	547.4	557.2	572.6	582.3
57.5°	567.9	565.9	565.9	570.0	577.7	591.0	611.0	629.0
60°	609.0	601.8	600.8	600.8	615.7	638.8	654.7	673.1
62.5°	656.7	644.9	647.0	639.8	657.2	685.4	704.4	727.5
65°	713.7	699.8	696.7	693.1	706.0	737.3	766.5	783.9
67.5°	798.3	777.8	766.5	762.9	777.8	807.5	844.5	863.0
70°	924.0	888.1	849.6	840.9	841.4	870.7	900.9	917.9
72°	925.0	879.9	826.5	808.6	818.8	838.3	865.5	875.8
72.5°	911.2	868.1	812.2	798.8	814.2	829.1	858.9	866.5
75°	879.9	836.8	780.9	772.1	778.3	788.0	816.3	818.8
77.5°	828.1	779.8	712.1	695.2	680.3	700.8	721.9	715.2
80°	664.4	609.5	545.4	532.5	506.9	520.7	533.1	523.3
82.5°	390.4	325.3	268.8	237.0	196.5	186.8	190.9	160.1
85°	124.2	83.1	58.5	39.5	34.9	27.2	22.6	19.5
87.5°	27.2	22.6	20.5	19.0	19.0	15.9	11.3	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)