

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: P156968

Luminaire Tested: **UTLD-E01-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156968
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-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2399.5 lumens
Efficiency: N/A
Efficacy: 97.1 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

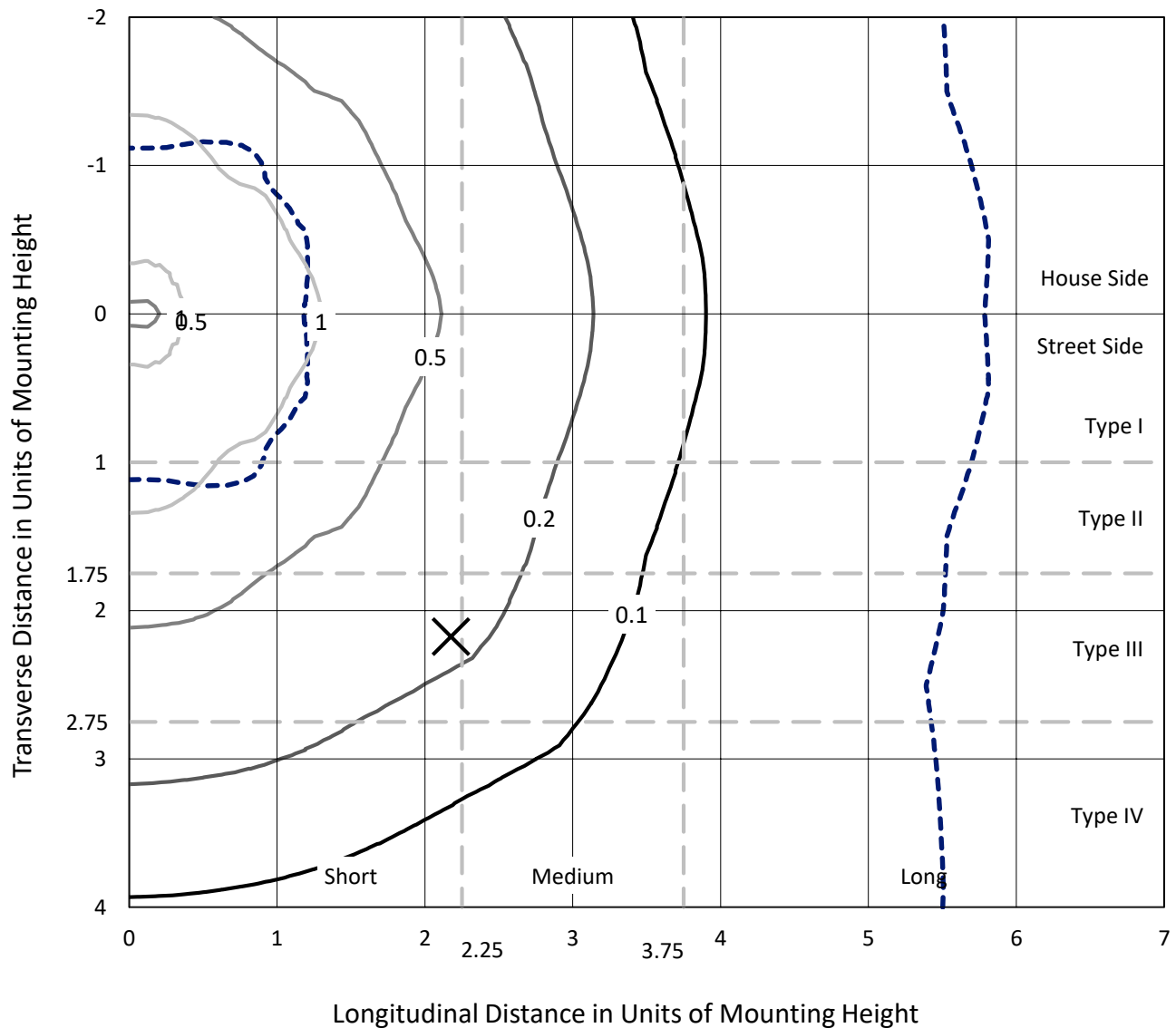


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

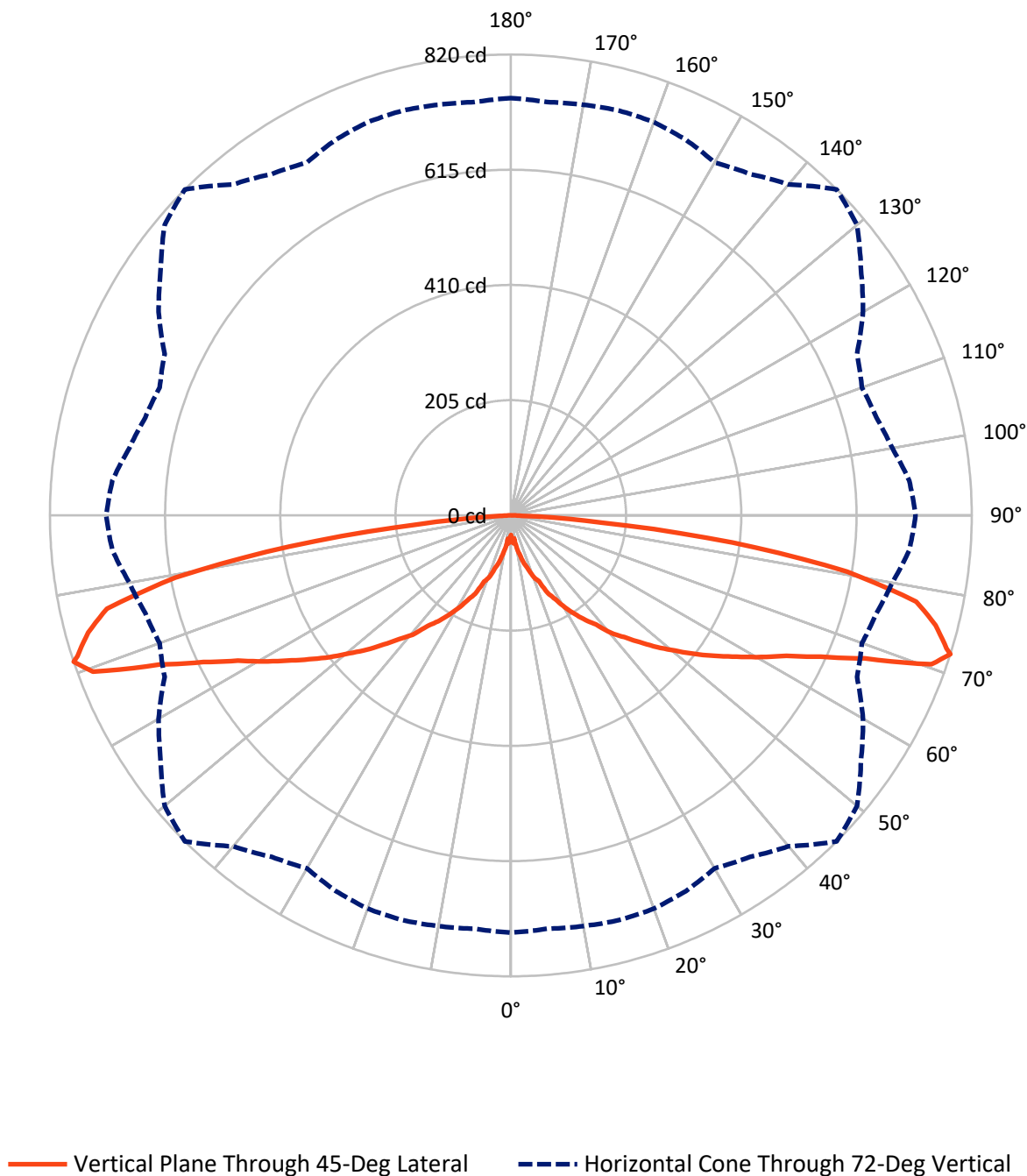


Based on 10 foot mounting height. Maximum calculated value = 1.5 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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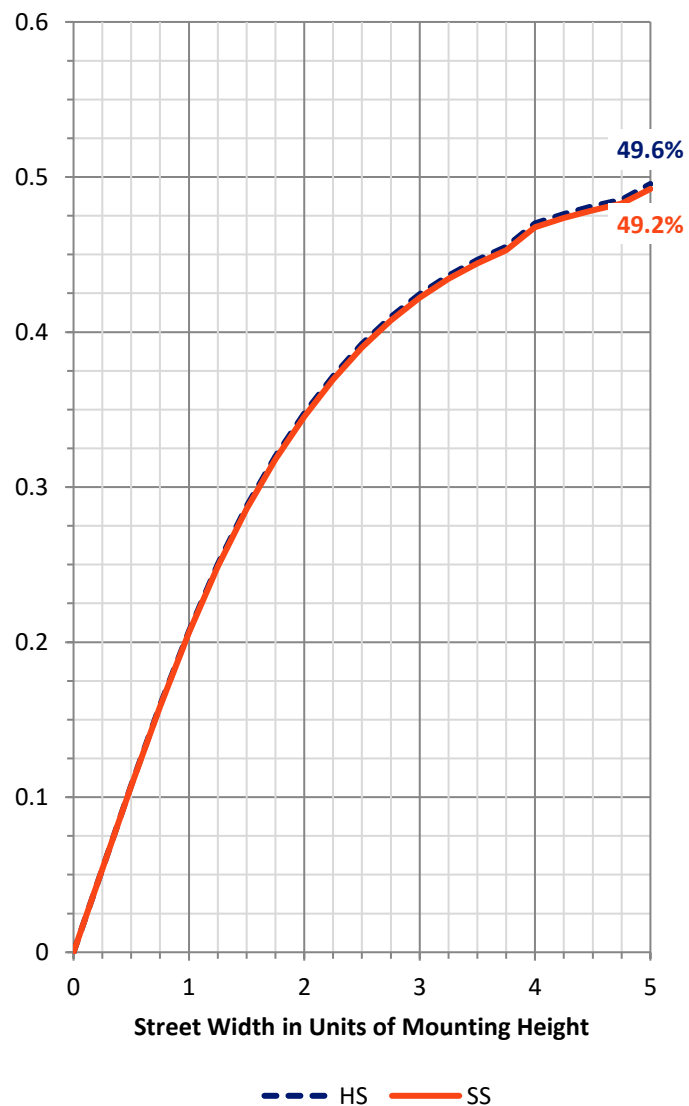
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1199.7	0.0	1199.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1199.7	0.0	1199.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2399.5	0.0	2399.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.2
10°-20°	25.5	1.1
20°-30°	75.7	3.2
30°-40°	153.8	6.4
40°-50°	262.3	10.9
50°-60°	407.0	17.0
60°-70°	610.2	25.4
70°-80°	705.8	29.4
80°-90°	154.4	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°	2399.5	100.0
0°-180°	2399.5	100.0

Coefficient of Utilization



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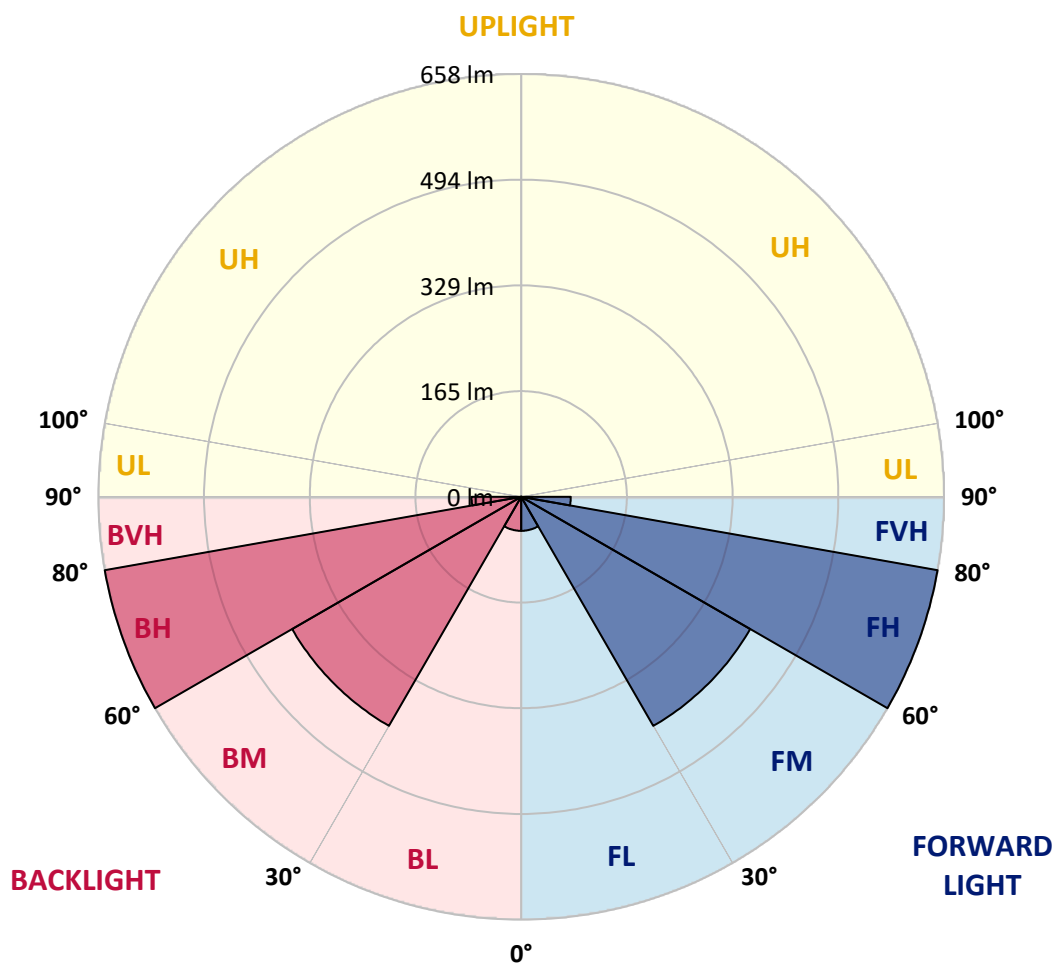
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.9	2.2			
FM	(30°-60°)	411.6	17.2			
FH	(60°-80°)	658.0	27.4			G0/660
FVH	(80°-90°)	77.2	3.2			G1/100
BL	(0°-30°)	52.9	2.2	B0/110		
BM	(30°-60°)	411.6	17.2	B1/1000		
BH	(60°-80°)	658.0	27.4	B2/1000		G0/660
BVH	(80°-90°)	77.2	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°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
2.5°	55.3	54.4	54.9	54.4	54.4	54.0	48.5	46.8	46.8	47.3	46.4
5°	40.9	41.4	40.9	42.2	43.0	41.4	41.4	42.2	42.6	49.8	50.6
7.5°	63.3	63.7	63.3	62.9	58.2	53.6	52.7	51.5	42.2	41.4	40.5
10°	65.8	65.8	66.7	65.0	64.6	64.6	64.1	63.7	61.2	59.9	51.1
12.5°	87.8	88.6	88.2	87.4	86.9	76.4	74.7	66.7	63.7	72.6	80.2
15°	91.6	91.2	92.0	90.3	89.5	89.5	85.7	89.0	95.4	88.2	82.7
17.5°	113.5	113.5	113.5	112.7	109.7	101.3	102.1	103.8	103.4	100.4	103.8
20°	127.0	127.0	126.2	118.2	112.7	117.7	124.9	121.1	116.0	117.7	120.7
22.5°	139.7	140.1	139.3	136.7	136.3	140.5	134.2	130.4	138.8	127.0	132.9
25°	164.6	165.0	163.7	151.9	150.2	150.2	149.4	151.5	146.0	153.2	163.3
27.5°	178.1	170.5	169.2	165.8	173.0	170.1	168.8	159.5	178.5	168.8	175.6
30°	198.3	198.3	196.6	194.5	193.3	184.4	181.0	186.9	187.8	189.9	207.6
32.5°	228.7	229.6	224.9	213.5	205.9	204.2	206.8	205.9	208.0	209.3	224.1
35°	253.6	254.0	245.6	238.0	232.5	227.0	225.8	222.8	228.3	228.7	240.1
37.5°	280.2	282.7	274.7	270.9	262.1	253.6	243.9	242.6	248.6	246.4	264.6
40°	319.9	321.1	314.0	305.5	287.0	277.3	266.3	265.0	265.4	275.1	284.0
42.5°	344.3	344.8	338.4	328.3	317.3	305.9	290.8	285.3	287.8	296.2	304.3
45°	371.8	371.4	365.9	357.9	346.5	331.7	313.5	308.9	311.4	322.0	329.2
47.5°	400.1	399.2	395.4	386.1	372.2	356.2	338.0	336.3	336.3	350.3	356.2
50°	427.5	427.9	424.1	415.2	398.4	382.7	368.4	361.7	363.8	378.1	384.9
52.5°	458.3	459.1	453.6	444.4	426.2	414.4	400.1	389.9	389.9	409.8	415.7
55°	490.4	490.8	487.4	475.6	461.7	447.7	430.9	418.6	419.0	441.0	446.0
57.5°	523.3	522.4	518.6	509.8	500.5	478.1	460.0	449.0	452.0	474.3	478.1
60°	557.9	557.5	553.7	545.2	531.3	503.9	493.3	486.6	484.0	511.9	512.3
62.5°	597.5	595.9	592.9	585.3	566.3	541.4	530.0	526.7	521.6	550.3	551.5
65°	646.5	643.5	641.4	633.0	614.0	584.9	570.1	573.9	570.5	606.0	601.3
67.5°	722.0	716.5	709.8	702.2	681.1	654.5	634.3	642.7	640.6	679.4	677.7
70°	783.2	779.8	779.4	778.6	768.5	751.6	729.2	736.4	745.2	794.2	789.1
72°	742.7	738.5	742.3	745.7	744.8	737.6	725.4	741.9	768.9	820.4	804.3
72.5°	733.0	728.8	731.3	734.3	734.3	727.5	716.5	732.2	760.9	811.1	795.9
75°	687.9	686.6	688.7	692.5	696.7	693.3	691.7	701.4	731.3	780.7	761.7
77.5°	613.6	615.3	617.8	623.3	631.3	635.1	644.8	660.0	693.8	737.6	722.0
80°	468.4	465.9	472.2	483.6	492.0	500.5	513.6	532.1	567.6	607.3	583.2
82.5°	156.6	175.1	185.3	207.2	235.9	255.7	284.0	321.1	364.6	397.5	367.6
85°	13.5	16.0	22.4	30.8	39.7	52.7	79.8	100.0	132.1	161.6	136.7
87.5°	3.4	5.5	9.7	13.5	13.9	14.3	16.0	17.3	19.0	19.4	24.1
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°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
2.5°	45.6	43.5	39.7	35.9	35.4	35.0	34.6	34.2
5°	51.1	54.0	46.8	46.0	44.3	36.3	35.0	34.2
7.5°	40.9	41.4	48.1	48.1	43.5	42.2	35.0	34.2
10°	45.6	44.3	54.4	63.7	66.3	61.6	51.5	50.6
12.5°	77.6	67.5	58.2	59.1	66.3	64.1	57.4	50.2
15°	82.3	79.3	80.6	80.2	79.3	84.8	76.4	74.7
17.5°	101.3	98.3	97.5	86.9	82.3	82.7	84.8	79.3
20°	108.9	109.3	131.7	132.1	123.6	122.4	122.0	120.7
22.5°	147.3	146.4	141.8	140.1	131.7	156.1	159.5	159.5
25°	154.5	166.7	184.0	183.6	178.9	171.8	173.0	165.0
27.5°	192.4	192.4	192.0	196.2	202.6	198.8	196.2	192.4
30°	200.4	213.5	216.9	210.6	213.5	217.7	222.4	226.6
32.5°	223.7	221.5	233.8	239.3	243.9	247.3	236.3	240.5
35°	242.2	249.8	251.9	251.9	255.3	257.4	250.2	250.2
37.5°	263.3	266.7	265.0	267.5	268.8	273.5	272.6	270.5
40°	281.0	284.4	283.6	285.3	284.8	292.9	295.4	286.5
42.5°	303.4	305.5	304.3	305.1	310.6	314.4	322.4	316.9
45°	325.8	327.9	326.6	327.9	337.2	338.9	349.8	349.0
47.5°	351.5	351.9	351.9	356.2	364.2	365.4	377.7	377.3
50°	379.0	381.1	377.3	382.7	391.6	397.1	407.2	412.7
52.5°	409.8	411.4	401.7	415.2	422.4	430.9	435.9	444.8
55°	437.6	440.1	430.0	443.5	450.3	458.3	470.9	479.0
57.5°	467.1	465.5	465.5	468.8	475.2	486.1	502.6	517.4
60°	500.9	495.0	494.2	494.2	506.4	525.4	538.5	553.7
62.5°	540.2	530.4	532.1	526.2	540.6	563.8	579.4	598.4
65°	587.0	575.6	573.1	570.1	580.7	606.4	630.5	644.8
67.5°	656.6	639.7	630.5	627.5	639.7	664.2	694.6	709.8
70°	760.0	730.5	698.8	691.7	692.1	716.1	741.0	754.9
72°	760.9	723.7	679.8	665.1	673.5	689.5	711.9	720.3
72.5°	749.5	714.0	668.0	657.0	669.7	681.9	706.4	712.8
75°	723.7	688.3	642.3	635.1	640.2	648.2	671.4	673.5
77.5°	681.1	641.4	585.7	571.8	559.6	576.4	593.7	588.3
80°	546.5	501.3	448.6	438.0	416.9	428.3	438.5	430.4
82.5°	321.1	267.5	221.1	195.0	161.6	153.6	157.0	131.7
85°	102.1	68.4	48.1	32.5	28.7	22.4	18.6	16.0
87.5°	22.4	18.6	16.9	15.6	15.6	13.1	9.3	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)