

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: P148598

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148598
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E01-LED-E-U-5XQ-8030
Description: VISION SITE SMALL LED 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: 2684.2 lumens
Efficiency: N/A
Efficacy: 108.7 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

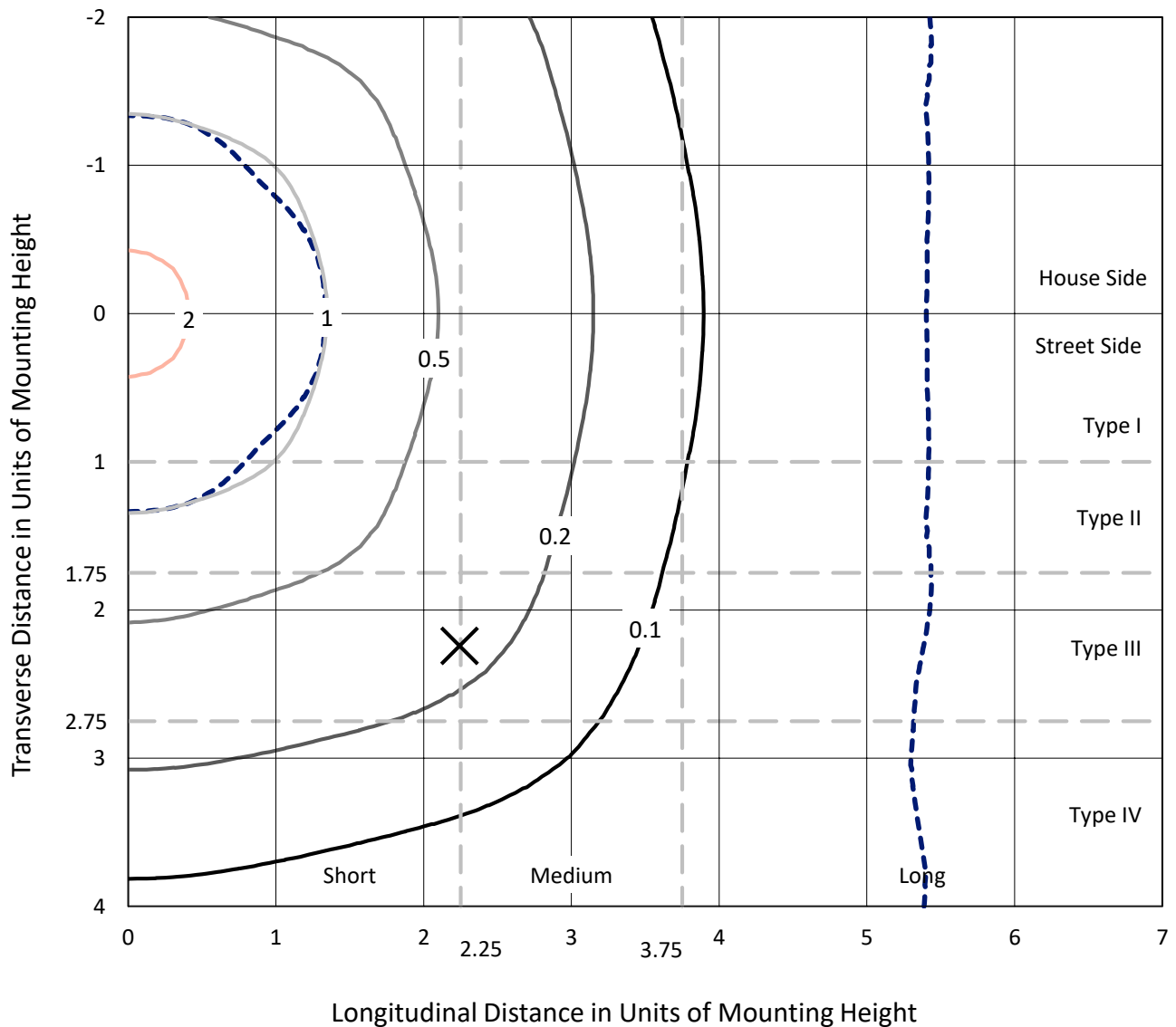
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

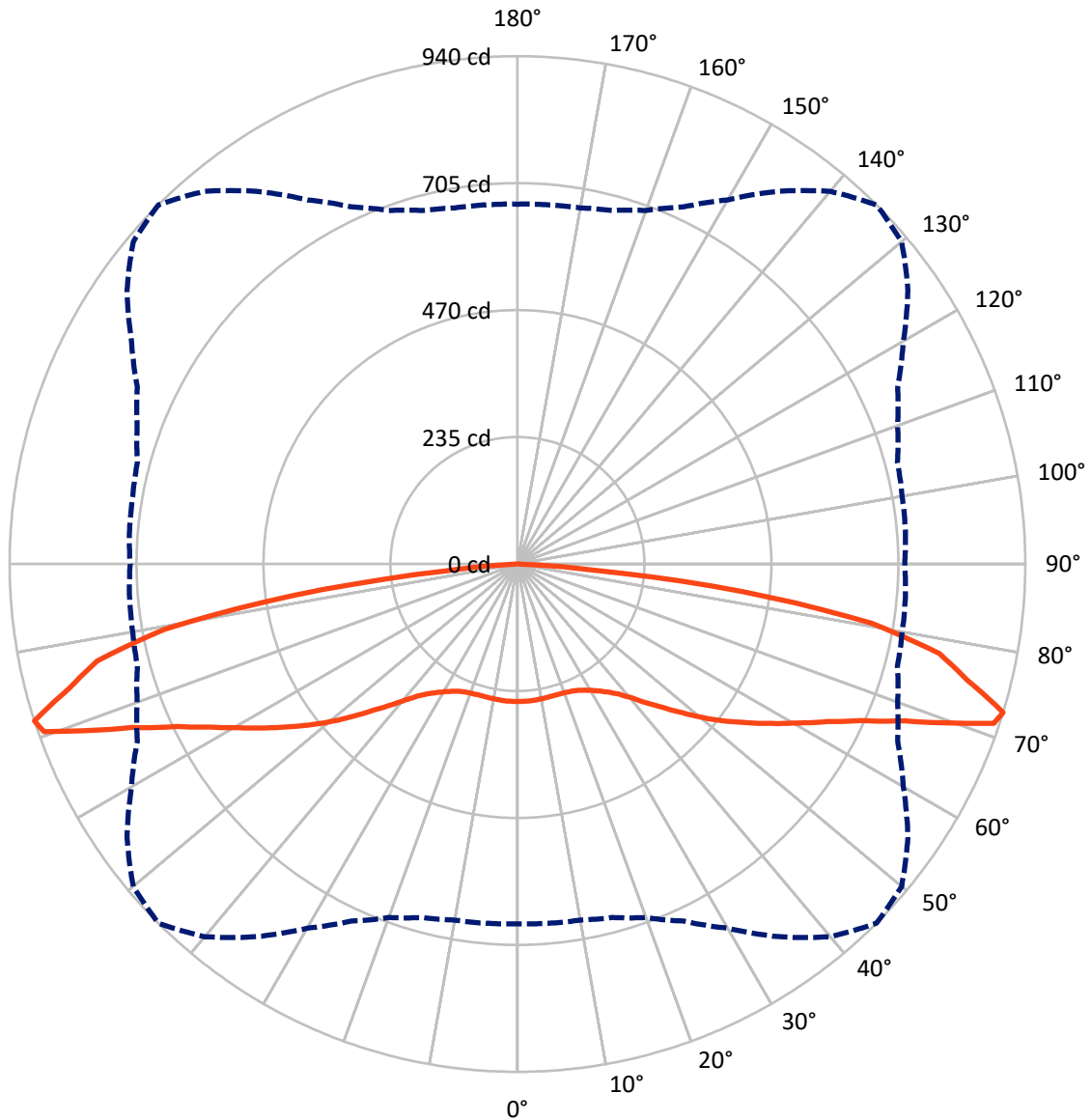
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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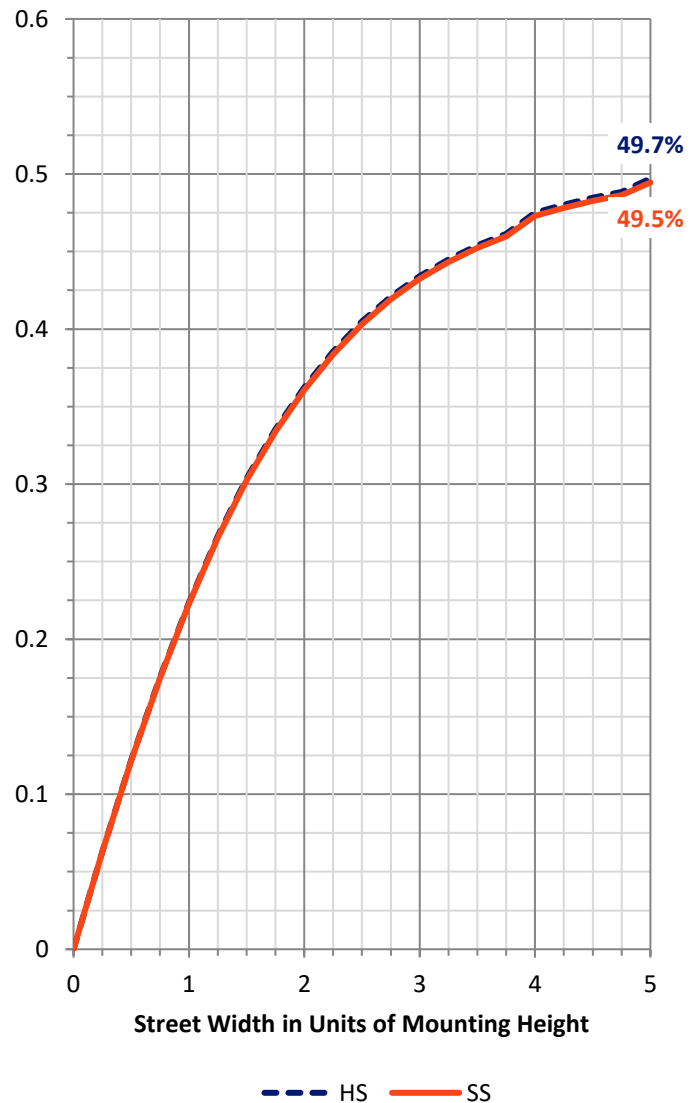
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1342.1	0.0	1342.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1342.1	0.0	1342.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2684.2	0.0	2684.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	0.9
10°-20°	71.7	2.7
20°-30°	120.1	4.5
30°-40°	183.0	6.8
40°-50°	292.3	10.9
50°-60°	449.4	16.7
60°-70°	654.3	24.4
70°-80°	737.1	27.5
80°-90°	152.2	5.7
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°	2684.2	100.0
0°-180°	2684.2	100.0



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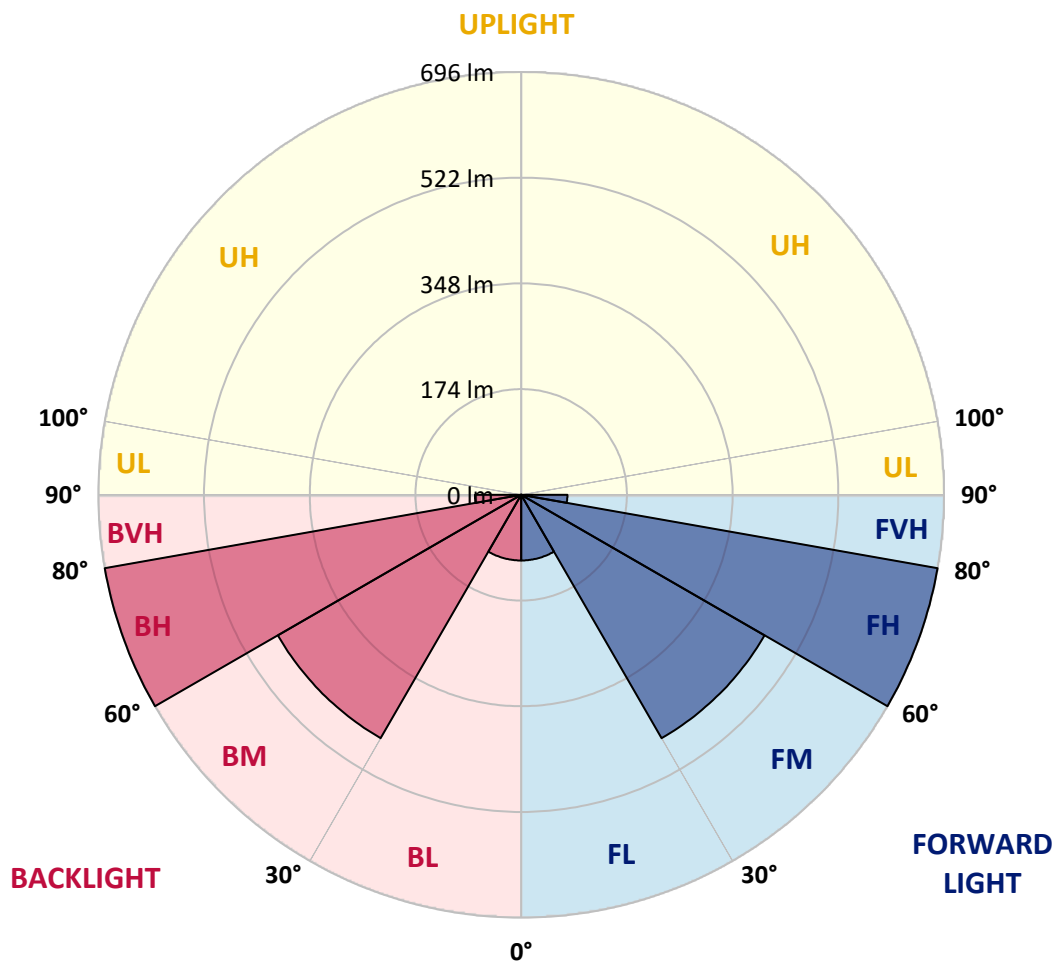
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.0	4.0			
FM	(30°-60°)	462.3	17.2			
FH	(60°-80°)	695.7	25.9			G1/1800
FVH	(80°-90°)	76.1	2.8			G1/100
BL	(0°-30°)	108.0	4.0	B0/110		
BM	(30°-60°)	462.3	17.2	B1/1000		
BH	(60°-80°)	695.7	25.9	B2/1000		G1/1800
BVH	(80°-90°)	76.1	2.8			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°	254.3	254.3	254.3	254.3	254.3	254.3	254.3	254.3	254.3	254.3	254.3
2.5°	254.7	254.9	254.8	254.7	254.7	254.7	254.5	254.5	254.0	254.3	254.7
5°	254.7	254.6	254.5	254.5	254.5	254.7	254.5	254.3	254.2	254.3	254.1
7.5°	254.6	254.3	254.2	254.1	254.2	254.3	254.1	253.8	254.0	253.8	253.5
10°	254.1	254.0	254.1	253.8	253.9	253.8	253.5	253.3	253.5	253.2	252.8
12.5°	254.3	254.0	253.9	253.8	253.7	253.7	253.3	252.8	253.0	252.8	252.4
15°	254.3	254.1	254.1	253.8	253.7	253.6	253.1	253.1	253.0	252.7	252.3
17.5°	254.5	254.3	254.3	254.0	253.9	253.8	253.3	253.1	253.3	252.8	252.5
20°	254.9	254.7	254.8	254.6	254.3	254.3	254.0	253.9	253.9	253.9	253.1
22.5°	255.8	255.8	255.9	255.9	255.8	255.8	255.5	255.5	255.5	255.5	254.9
25°	258.0	258.0	258.2	258.2	258.2	258.8	258.5	258.4	258.9	258.9	258.2
27.5°	262.6	262.5	262.6	262.8	263.1	263.7	263.6	263.8	264.5	264.2	263.7
30°	267.8	267.7	268.1	268.5	268.8	269.7	269.3	270.4	270.9	271.3	270.9
32.5°	275.4	275.4	276.1	276.4	277.0	277.9	278.1	279.0	279.6	280.2	279.8
35°	285.6	285.4	285.9	286.4	287.2	288.1	288.5	289.5	290.6	291.0	290.2
37.5°	301.0	300.3	301.1	301.5	302.1	302.3	303.2	304.7	305.7	305.6	305.0
40°	322.0	321.9	321.5	321.0	322.1	322.4	322.4	324.2	326.0	325.7	325.6
42.5°	346.5	345.8	345.4	345.4	345.9	346.1	348.3	349.7	350.9	351.2	350.9
45°	372.7	372.1	372.2	372.0	372.2	373.1	374.3	377.0	379.2	379.3	378.1
47.5°	401.0	399.1	400.6	398.4	399.8	400.5	403.6	407.5	411.4	412.0	411.0
50°	429.7	429.5	429.4	429.0	429.6	431.1	435.0	440.9	444.8	447.4	445.6
52.5°	461.1	460.1	459.6	458.9	459.5	462.5	467.9	473.2	480.0	482.9	480.5
55°	491.6	491.2	489.4	489.3	490.7	495.4	501.3	507.8	515.1	518.3	517.5
57.5°	523.0	520.9	520.4	519.6	522.3	526.6	533.9	545.4	553.1	556.8	554.6
60°	553.6	552.1	550.9	550.6	552.4	558.7	569.0	582.9	592.4	597.2	593.8
62.5°	586.5	585.6	584.1	582.6	586.4	594.4	607.3	622.6	636.7	642.5	637.4
65°	627.6	625.5	623.9	621.9	625.1	635.0	651.3	672.8	691.6	698.5	694.9
67.5°	670.7	668.8	668.9	667.7	673.3	687.2	708.1	737.4	762.6	774.3	767.5
70°	708.4	709.4	709.7	714.8	724.6	745.7	780.5	826.5	864.7	882.6	875.2
71°	697.2	699.6	703.2	708.5	725.3	750.3	797.9	853.5	899.1	929.4	919.2
72.5°	665.8	667.2	669.0	677.1	696.1	729.1	778.1	841.8	900.3	939.7	927.9
75°	620.2	621.6	622.2	627.9	645.1	673.9	718.8	775.2	826.8	860.4	857.1
77.5°	551.5	551.6	556.6	565.4	584.7	617.6	665.0	723.5	772.0	798.1	781.6
80°	396.0	393.4	398.3	409.7	433.6	471.5	519.8	586.6	640.6	664.9	639.3
82.5°	150.7	158.8	171.7	190.5	198.4	240.5	285.7	325.0	370.4	421.1	408.4
85°	16.2	18.2	22.8	28.4	35.9	49.5	68.4	93.4	115.1	135.3	120.1
87.5°	6.0	6.2	6.8	8.0	8.1	8.4	9.0	10.5	9.8	8.4	6.8
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°	254.3	254.3	254.3	254.3	254.3	254.3	254.3	254.3
2.5°	254.3	254.4	254.3	254.4	254.4	254.1	254.2	254.1
5°	254.3	254.1	254.1	254.2	254.1	254.3	254.0	254.1
7.5°	253.9	253.5	253.6	253.6	253.5	253.7	253.5	253.5
10°	253.2	252.6	252.8	252.7	252.6	252.7	252.8	252.7
12.5°	252.5	252.2	252.2	252.2	252.1	252.3	252.2	252.4
15°	252.4	251.8	251.8	251.6	251.7	251.8	251.8	252.0
17.5°	252.2	251.6	251.5	251.4	251.4	251.7	251.8	251.6
20°	252.7	252.1	252.0	251.8	251.8	252.1	252.0	252.0
22.5°	254.7	253.9	253.9	253.4	253.2	253.4	253.2	253.3
25°	257.8	257.0	256.7	256.0	255.4	255.3	255.1	255.0
27.5°	263.5	262.3	262.0	261.3	260.6	260.7	260.3	260.3
30°	270.2	269.0	268.0	267.2	266.2	265.9	265.4	265.3
32.5°	278.8	277.5	276.3	275.2	274.0	273.5	272.6	272.2
35°	289.4	287.8	286.3	285.6	284.2	283.6	283.1	283.7
37.5°	304.2	302.2	301.6	300.6	299.7	298.8	299.0	298.8
40°	324.8	322.9	322.3	320.6	320.4	319.3	320.0	319.4
42.5°	350.2	346.8	346.3	345.1	344.7	344.0	344.2	343.8
45°	377.8	374.8	374.2	372.2	372.2	370.8	371.4	371.3
47.5°	408.9	405.7	403.1	401.7	401.1	400.2	400.6	400.6
50°	441.0	436.7	433.8	431.0	429.6	430.1	429.0	430.7
52.5°	475.4	469.0	465.0	462.2	459.9	460.3	460.5	460.9
55°	511.1	503.0	497.0	493.5	491.3	491.4	492.0	492.6
57.5°	546.9	536.8	528.7	523.4	522.1	522.7	522.7	522.6
60°	584.1	571.9	561.6	555.5	554.3	554.0	556.7	555.8
62.5°	624.1	609.4	598.8	591.0	589.2	590.5	593.0	592.3
65°	677.1	656.8	643.0	635.3	632.2	633.5	636.8	636.7
67.5°	745.4	716.9	698.8	688.9	686.6	688.2	689.9	691.8
70°	847.5	806.9	780.9	759.6	750.5	748.7	750.5	750.6
71°	883.4	836.8	795.4	769.3	754.4	748.1	748.6	745.4
72.5°	882.0	824.6	776.1	748.8	728.0	722.9	720.5	716.7
75°	822.6	770.8	728.7	699.1	679.0	673.0	668.6	668.5
77.5°	745.9	707.8	661.3	629.9	605.5	595.6	591.2	591.1
80°	599.7	542.5	508.6	489.6	460.2	451.7	442.7	439.3
82.5°	362.6	283.3	230.4	204.8	190.6	156.9	140.8	133.2
85°	84.5	60.0	41.3	27.2	19.5	15.5	12.0	10.6
87.5°	5.7	4.5	4.0	3.2	2.5	2.4	1.5	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)