

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: P507515

Luminaire Tested: **VERD-S-CA1-30-760-U-T3**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-30-760-U-T3  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5700K, 590mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4761.2 lumens  
Efficiency: N/A  
Efficacy: 140.0 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 24 FT

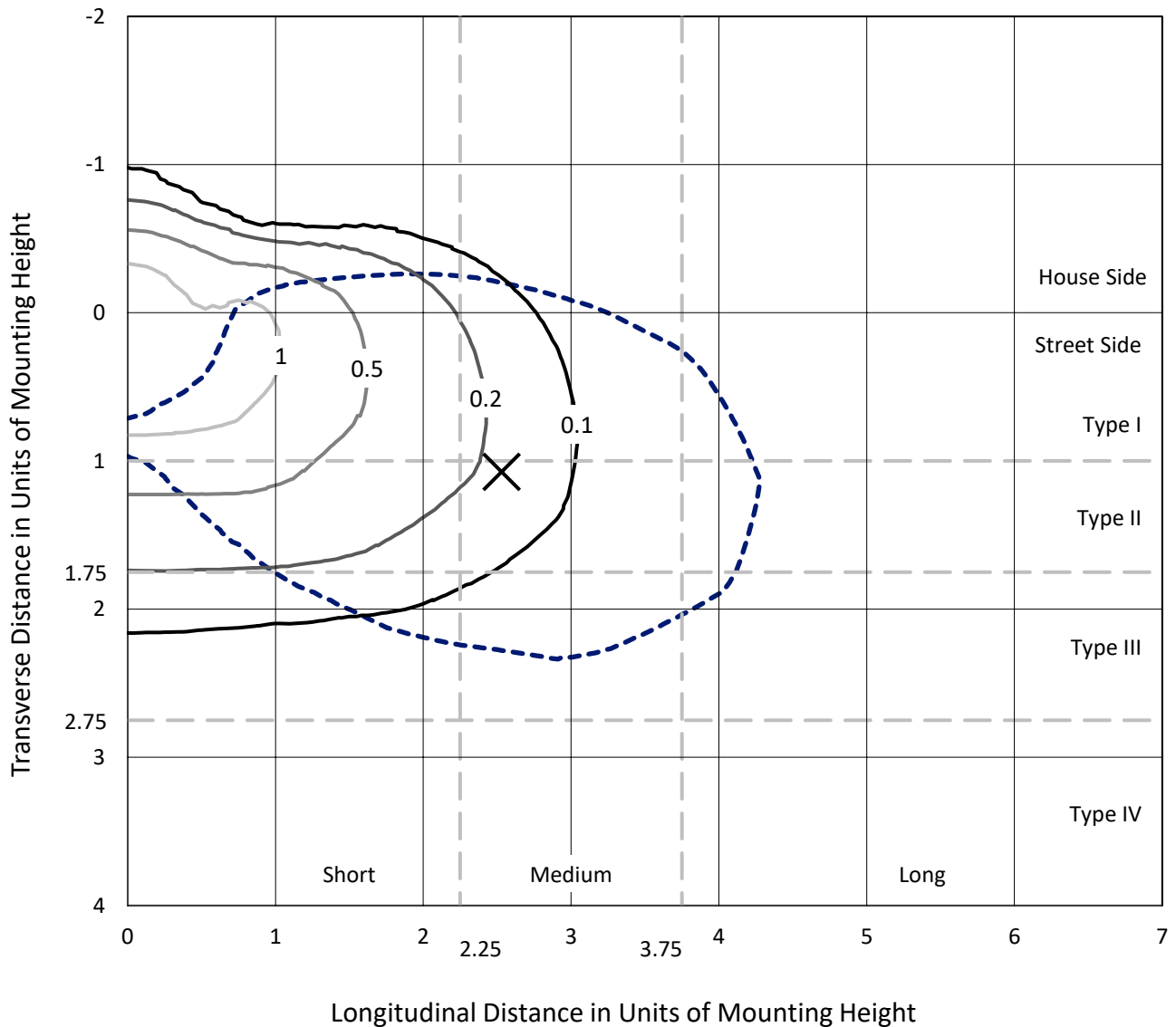




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### Iso-Footcandle Lines of Horizontal Illumination

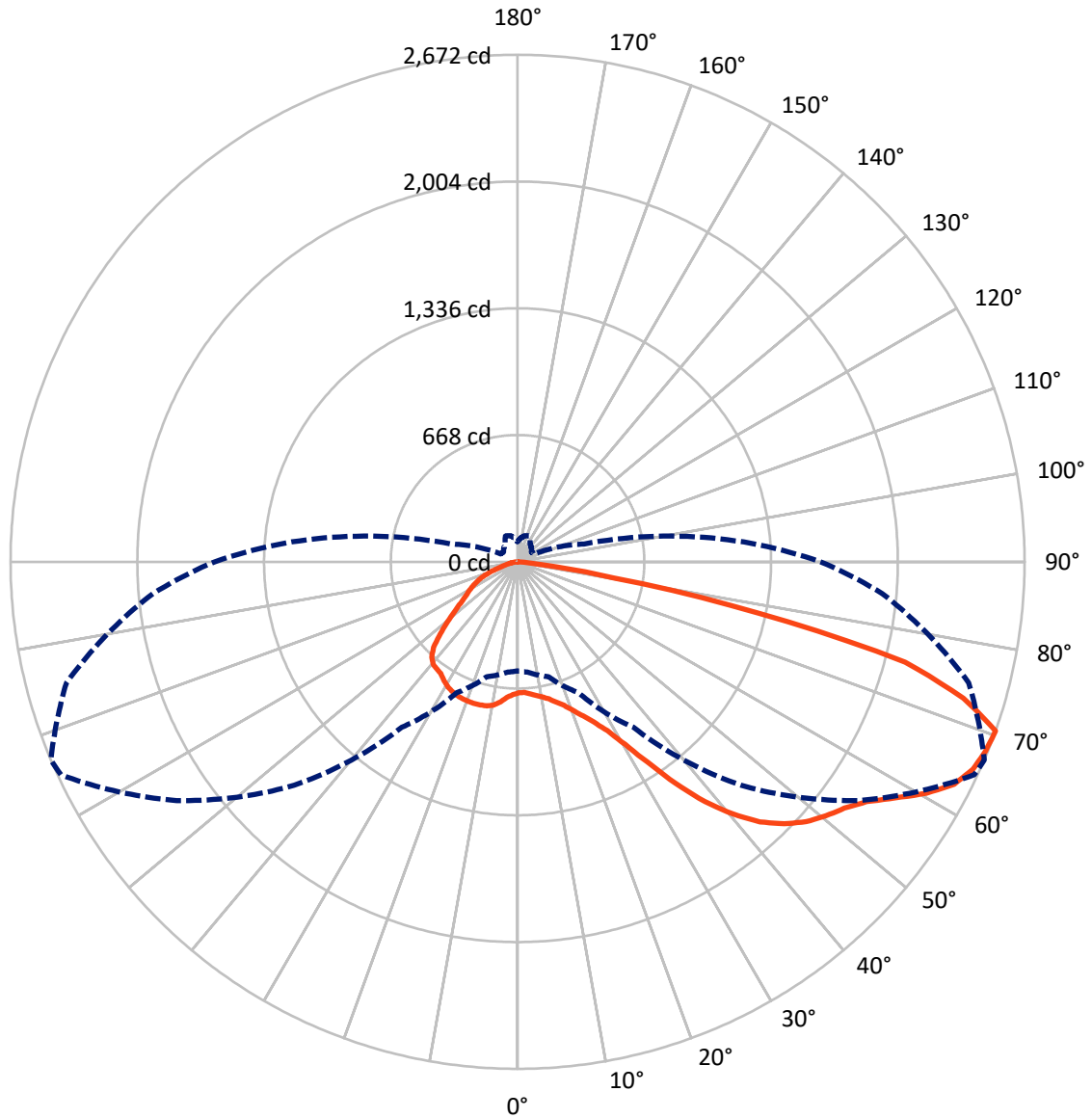
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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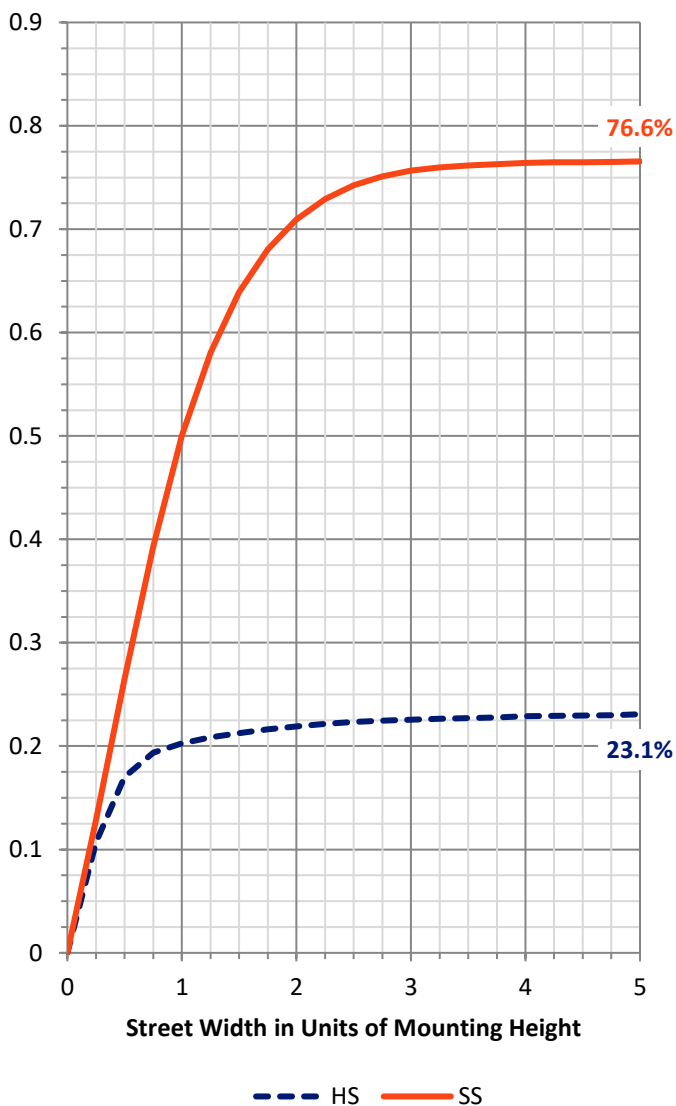
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1114.0	0.0	1114.0
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	3647.2	0.0	3647.2
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	4761.2	0.0	4761.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.1	1.5
10°-20°	225.7	4.7
20°-30°	398.0	8.4
30°-40°	610.1	12.8
40°-50°	831.7	17.5
50°-60°	984.1	20.7
60°-70°	1026.0	21.5
70°-80°	573.9	12.1
80°-90°	41.5	0.9
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°	4761.2	100.0
0°-180°	4761.2	100.0

**Coefficient of Utilization**

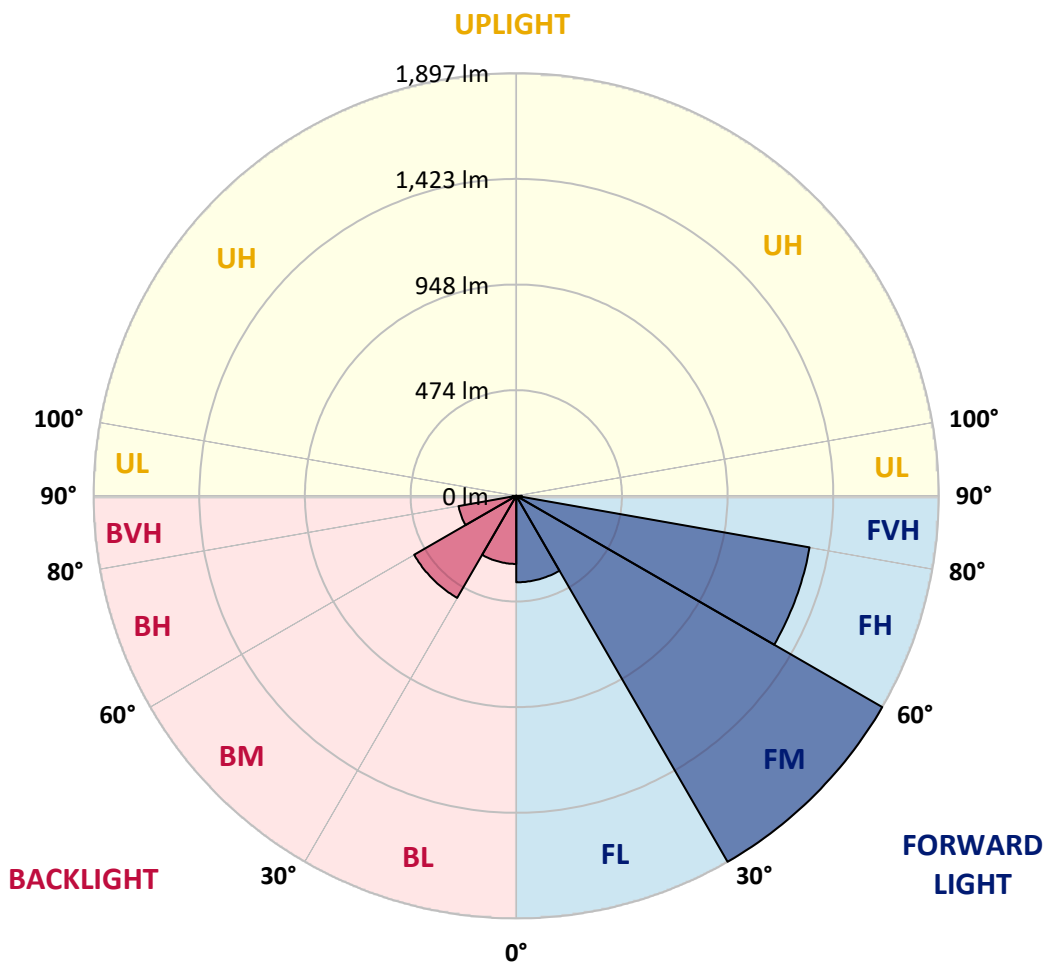


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.1	8.2			
FM (30°-60°)	1896.8	39.8			
FH (60°-80°)	1336.8	28.1			G1/1800
FVH (80°-90°)	25.4	0.5			G1/100
BL (0°-30°)	305.8	6.4	B1/500		
BM (30°-60°)	529.1	11.1	B1/1000		
BH (60°-80°)	263.0	5.5	B1/500		G1/500
BVH (80°-90°)	16.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	690.6	690.6	690.6	690.6	690.6	690.6	690.6	690.6	690.6	690.6	690.6
2.5°	693.4	693.4	693.4	692.0	692.0	692.0	690.6	689.2	689.2	690.6	690.6
5°	710.8	710.8	709.6	708.2	705.4	702.8	700.0	698.8	698.8	698.8	700.0
7.5°	735.2	733.9	731.2	729.8	725.8	721.7	716.2	710.8	710.8	708.2	710.8
10°	764.9	764.9	760.9	758.2	752.8	742.0	733.9	725.8	724.4	721.7	725.8
12.5°	802.8	802.8	800.1	793.3	785.2	771.7	756.9	743.3	742.0	737.9	746.0
15°	848.8	844.7	843.4	838.0	823.0	805.5	785.2	767.7	767.7	760.9	770.3
17.5°	900.1	898.7	897.4	890.7	873.1	847.4	820.4	800.1	796.0	792.0	797.4
20°	962.2	960.9	959.6	948.8	928.5	897.4	864.9	838.0	835.2	831.2	827.2
22.5°	1033.9	1033.9	1028.5	1020.4	992.0	955.5	916.3	882.5	882.5	878.5	859.5
25°	1102.9	1100.1	1097.4	1088.0	1065.0	1025.8	979.9	940.6	935.2	935.2	902.8
27.5°	1166.4	1166.4	1170.4	1165.0	1142.0	1101.5	1055.6	1010.9	1008.3	1002.9	952.8
30°	1232.5	1235.3	1236.7	1236.7	1225.8	1194.7	1144.7	1110.9	1116.3	1102.9	1027.1
32.5°	1282.6	1285.2	1302.8	1319.0	1309.6	1292.0	1263.7	1252.9	1258.3	1269.1	1186.6
35°	1329.9	1333.9	1358.3	1392.0	1407.0	1398.8	1402.8	1421.8	1434.0	1477.1	1405.6
37.5°	1365.0	1369.1	1390.7	1432.6	1477.1	1500.2	1538.0	1579.9	1602.9	1658.2	1555.6
40°	1374.5	1381.2	1425.8	1482.5	1550.2	1619.1	1665.0	1719.1	1747.5	1773.2	1657.0
42.5°	1342.1	1348.8	1407.0	1525.8	1620.5	1725.9	1775.8	1850.2	1873.2	1858.3	1735.3
45°	1321.8	1325.8	1385.3	1521.8	1681.3	1828.5	1877.2	1955.7	1969.1	1932.7	1802.9
47.5°	1293.4	1297.4	1360.9	1515.0	1729.9	1917.8	1951.5	2028.6	2046.2	1994.8	1854.3
50°	1251.5	1256.9	1329.9	1502.9	1762.4	1978.6	2015.0	2094.8	2104.3	2050.3	1908.3
52.5°	1201.5	1209.6	1286.6	1477.1	1784.0	2017.8	2065.1	2147.5	2157.0	2121.8	1966.4
55°	1140.7	1148.8	1231.3	1439.4	1777.2	2030.0	2086.7	2215.1	2231.4	2202.9	2016.4
57.5°	1081.2	1086.6	1171.8	1383.9	1739.4	2048.9	2151.6	2324.6	2346.2	2286.7	2056.9
60°	1009.5	1021.7	1104.2	1308.2	1681.3	2067.7	2235.4	2455.7	2476.0	2367.8	2088.1
62.5°	935.2	946.0	1019.1	1213.7	1590.7	2050.3	2298.9	2569.2	2581.4	2432.7	2098.9
65°	848.8	850.1	917.7	1093.4	1460.9	1978.6	2304.3	2624.6	2636.8	2473.2	2079.9
67.5°	733.9	733.9	790.6	940.6	1286.6	1848.9	2255.6	2642.2	2659.7	2500.3	2034.0
70°	574.4	583.8	627.1	760.9	1065.0	1665.0	2193.5	2655.7	2671.9	2461.1	1929.9
72.5°	401.4	398.7	443.3	524.3	770.3	1328.5	1956.9	2457.0	2457.0	2261.0	1739.4
75°	123.0	137.8	158.1	212.2	351.4	890.7	1602.9	2082.7	2109.7	1958.3	1434.0
77.5°	40.5	40.5	47.3	58.1	75.7	189.2	801.4	1275.8	1297.4	1274.5	887.9
80°	32.4	32.4	36.5	41.9	48.7	97.3	282.5	478.4	513.5	566.3	367.6
82.5°	23.0	23.0	24.3	25.7	24.3	39.2	74.3	127.0	129.8	140.6	119.0
85°	14.8	13.5	13.5	12.2	10.8	10.8	9.4	9.4	10.8	10.8	13.5
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	4.0	4.0	4.0	4.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	690.6	690.6	690.6	690.6	690.6	690.6	690.6	690.6	690.6	690.6	690.6
2.5°	692.0	693.4	697.4	700.0	702.8	705.4	706.8	708.2	708.2	709.6	709.6
5°	701.4	704.2	710.8	717.6	728.4	739.3	748.7	754.1	755.5	760.9	760.9
7.5°	713.6	717.6	733.9	746.0	762.3	774.4	785.2	790.6	796.0	798.7	798.7
10°	732.5	737.9	754.1	767.7	781.1	790.6	797.4	801.4	802.8	804.2	804.2
12.5°	751.5	758.2	767.7	778.5	786.6	792.0	796.0	797.4	797.4	797.4	797.4
15°	771.7	774.4	777.1	779.8	783.9	785.2	785.2	783.9	781.1	779.8	779.8
17.5°	792.0	789.3	785.2	779.8	774.4	770.3	764.9	759.5	755.5	752.8	754.1
20°	816.4	808.2	790.6	777.1	762.3	747.4	735.2	724.4	716.2	715.0	716.2
22.5°	844.7	828.4	800.1	771.7	746.0	719.0	693.4	678.5	670.3	663.6	663.6
25°	878.5	852.8	808.2	763.7	723.0	679.8	644.7	621.7	608.2	600.0	602.8
27.5°	917.7	885.3	816.4	751.5	689.2	632.5	586.6	550.1	535.1	524.3	525.7
30°	974.4	923.1	825.8	733.9	646.1	574.4	513.5	470.4	444.6	436.5	439.2
32.5°	1101.5	1004.1	836.6	708.2	597.4	505.5	424.3	371.6	344.6	344.6	343.2
35°	1313.6	1173.2	862.3	677.1	543.3	428.4	324.4	275.7	274.3	279.7	281.1
37.5°	1462.3	1328.5	942.0	647.3	483.8	335.2	240.6	227.0	240.6	246.0	244.6
40°	1558.3	1421.8	1033.9	616.3	400.1	240.6	190.5	181.1	194.6	205.4	213.6
42.5°	1636.6	1486.7	1075.8	575.8	298.7	172.9	140.6	137.8	158.1	172.9	178.3
45°	1698.9	1546.1	1081.2	518.9	202.7	128.4	114.8	127.0	151.4	163.5	164.9
47.5°	1748.8	1594.7	1066.4	428.4	135.2	112.2	112.2	128.4	151.4	163.5	163.5
50°	1797.5	1635.3	1028.5	348.6	121.6	109.4	113.6	129.8	150.0	159.5	159.5
52.5°	1838.1	1662.4	962.2	278.4	117.6	106.8	113.6	129.8	147.3	151.4	148.7
55°	1874.6	1673.2	902.8	224.4	113.6	105.4	116.2	132.4	146.0	146.0	140.6
57.5°	1894.8	1647.4	858.2	185.1	109.4	105.4	117.6	135.2	150.0	152.7	148.7
60°	1894.8	1611.0	809.6	163.5	106.8	105.4	117.6	144.6	178.3	164.9	163.5
62.5°	1869.1	1571.8	736.6	146.0	102.7	106.8	119.0	160.9	217.6	163.5	156.8
65°	1824.5	1496.1	640.7	129.8	98.6	108.2	117.6	185.1	259.5	158.1	139.2
67.5°	1740.7	1375.8	521.7	113.6	93.2	105.4	114.8	170.3	159.5	131.1	117.6
70°	1596.1	1196.0	362.2	98.6	89.2	102.7	114.8	150.0	141.9	120.2	105.4
72.5°	1381.2	981.2	194.6	81.1	78.4	97.3	112.2	137.8	121.6	98.6	89.2
75°	1061.0	697.4	119.0	63.5	64.9	86.5	104.0	131.1	116.2	94.6	82.5
77.5°	612.2	323.0	85.1	47.3	45.9	68.9	93.2	121.6	113.6	91.9	79.7
80°	224.4	133.8	58.1	35.1	31.1	50.1	72.9	98.6	108.2	90.6	81.1
82.5°	96.0	71.7	37.9	24.3	23.0	28.4	44.6	68.9	90.6	72.9	67.5
85°	13.5	13.5	13.5	12.2	13.5	17.6	18.9	33.8	50.1	27.0	27.0
87.5°	5.4	5.4	5.4	5.4	6.8	6.8	5.4	5.4	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)