

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: P507475

Luminaire Tested: **VERD-S-CA1-30-722-U-T3**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507475  
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-CA1-30-722-U-T3  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 590mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3892.5 lumens  
Efficiency: N/A  
Efficacy: 114.5 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

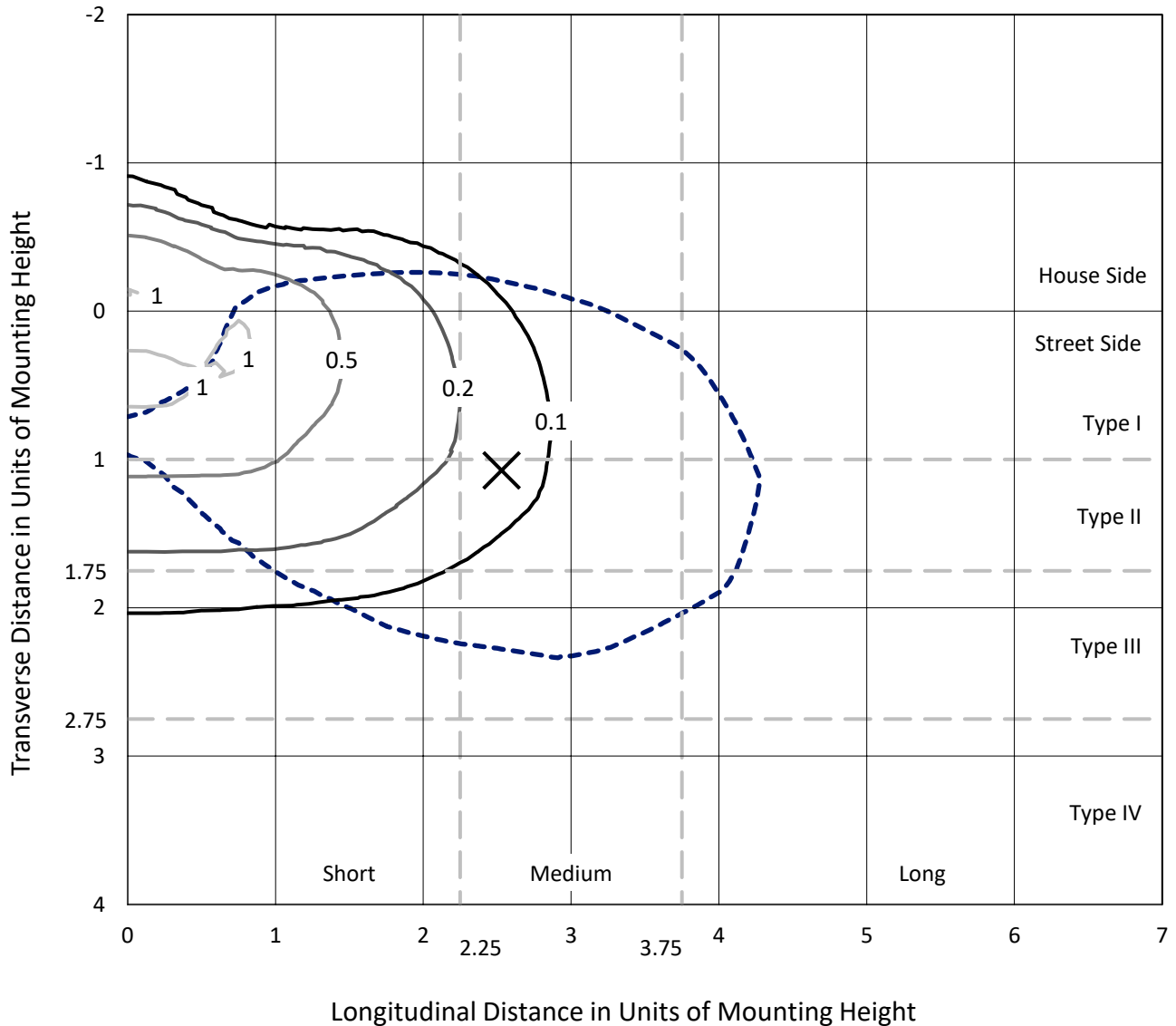
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

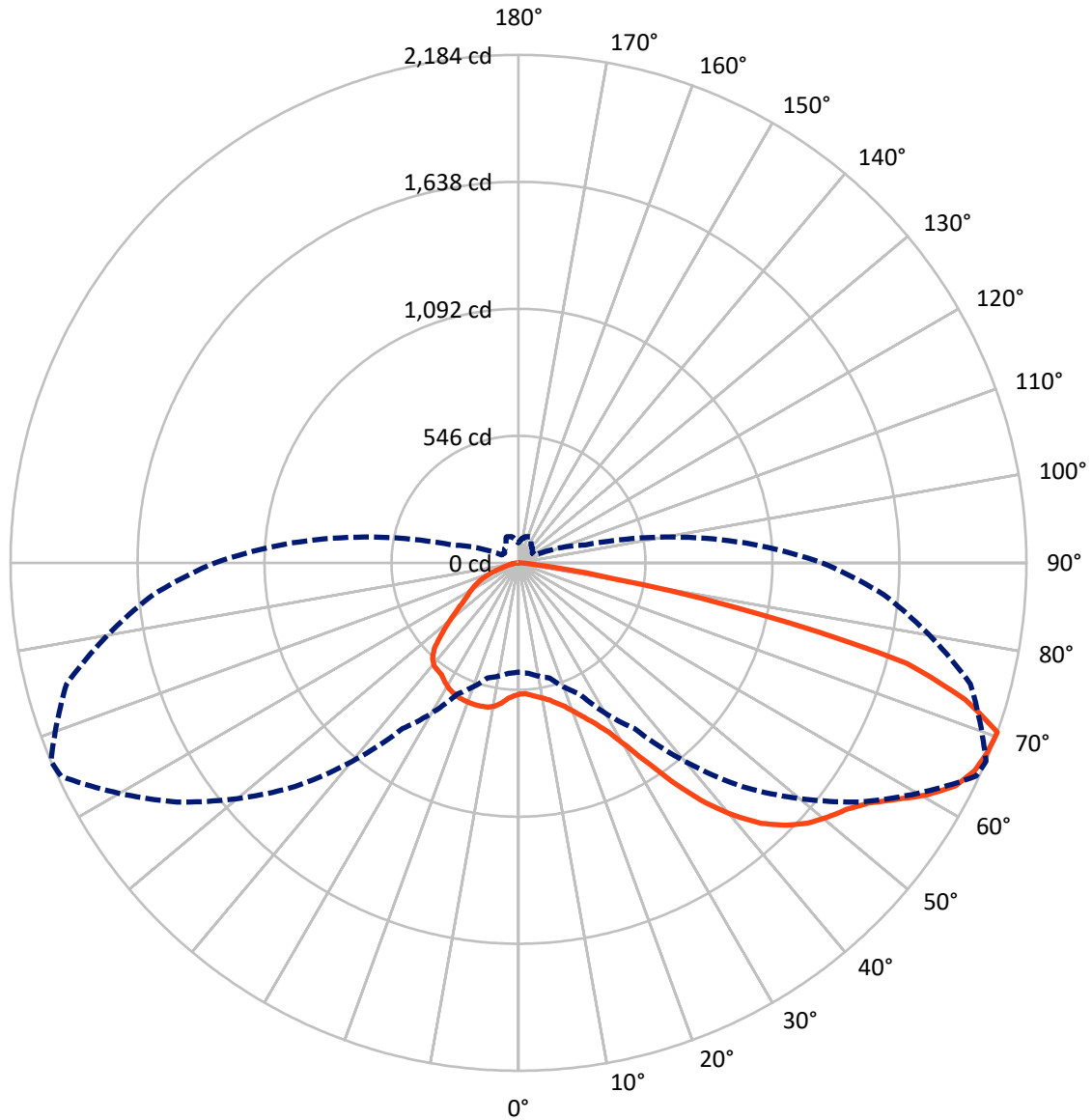
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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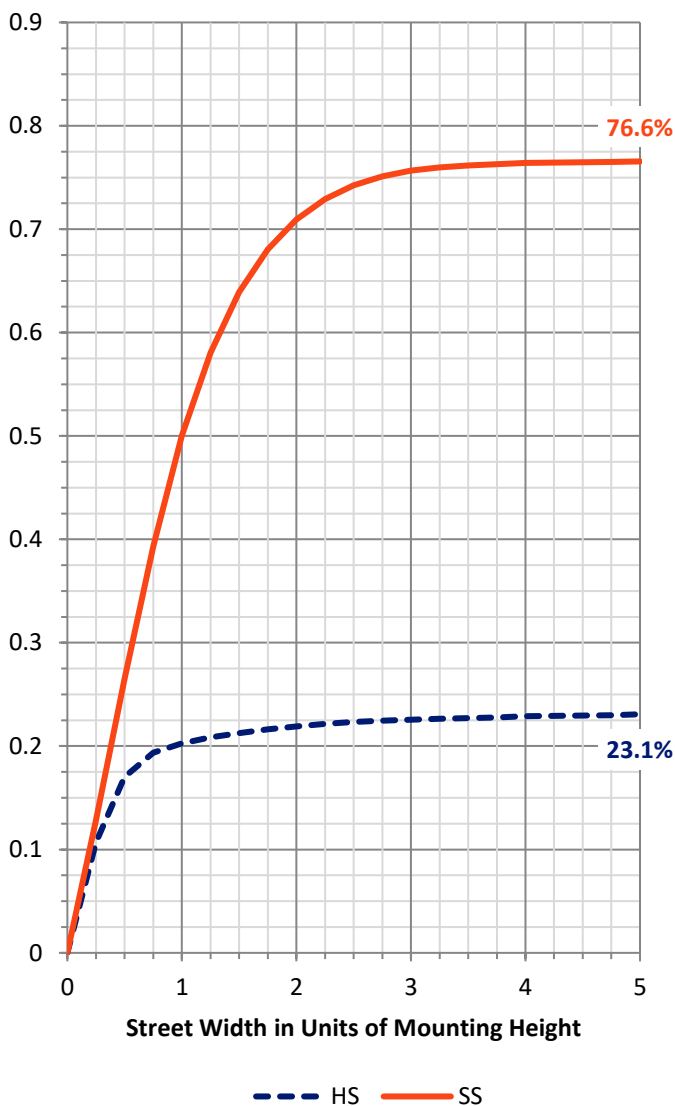
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	910.7	0.0	910.7
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	2981.7	0.0	2981.7
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	3892.5	0.0	3892.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.3	1.5
10°-20°	184.5	4.7
20°-30°	325.4	8.4
30°-40°	498.8	12.8
40°-50°	679.9	17.5
50°-60°	804.6	20.7
60°-70°	838.8	21.5
70°-80°	469.2	12.1
80°-90°	33.9	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°	3892.5	100.0
0°-180°	3892.5	100.0

**Coefficient of Utilization**

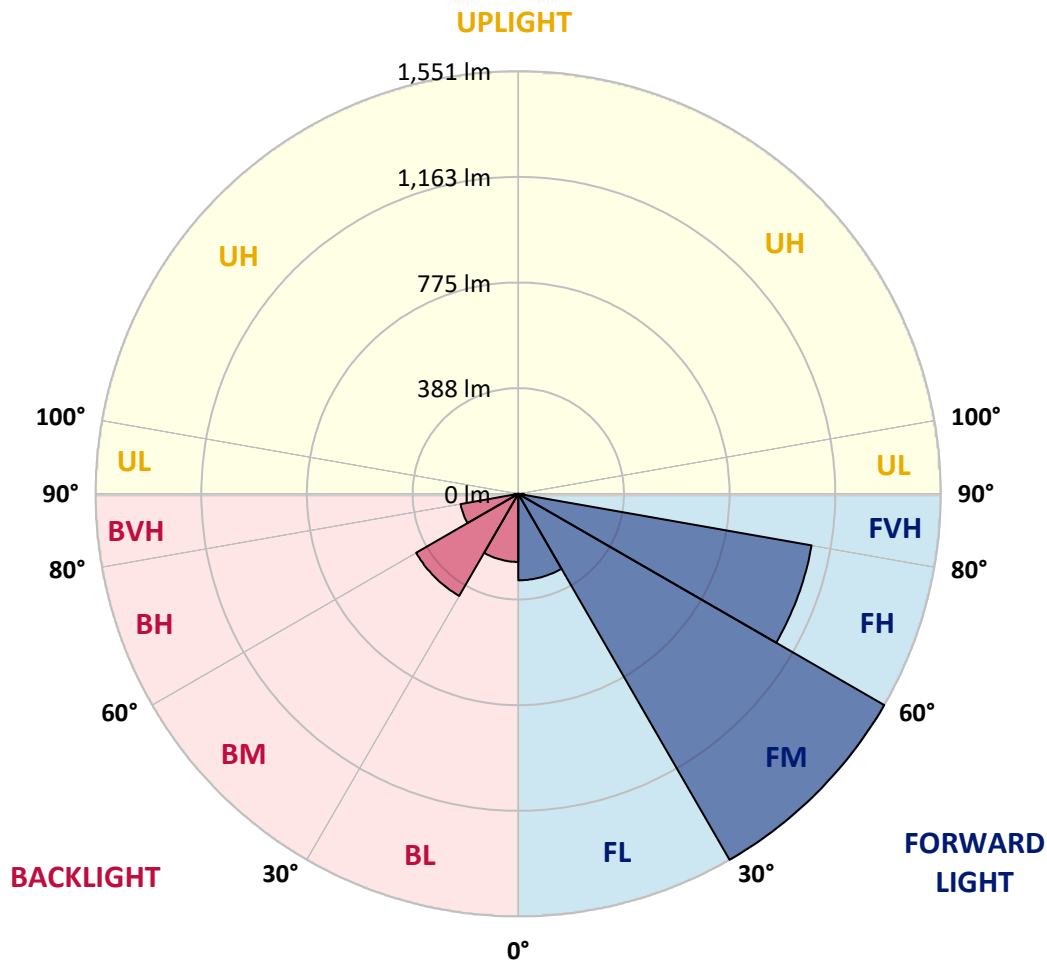


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.3	8.2			
FM (30°-60°)	1550.7	39.8			
FH (60°-80°)	1092.9	28.1			G1/1800
FVH (80°-90°)	20.8	0.5			G1/100
BL (0°-30°)	250.0	6.4	B1/500		
BM (30°-60°)	432.6	11.1	B1/1000		
BH (60°-80°)	215.0	5.5	B1/500		G1/500
BVH (80°-90°)	13.1	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°	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6
2.5°	566.8	566.8	566.8	565.8	565.8	565.8	564.6	563.4	563.4	564.6	564.6
5°	581.2	581.2	580.1	579.0	576.8	574.6	572.3	571.3	571.3	571.3	572.3
7.5°	601.1	599.9	597.7	596.7	593.4	590.0	585.7	581.2	581.2	579.0	581.2
10°	625.4	625.4	622.0	619.8	615.5	606.6	599.9	593.4	592.2	590.0	593.4
12.5°	656.3	656.3	654.1	648.6	641.9	630.9	618.8	607.7	606.6	603.3	609.9
15°	693.9	690.6	689.4	685.1	672.9	658.5	641.9	627.5	627.5	622.0	629.8
17.5°	735.9	734.8	733.6	728.1	713.7	692.8	670.7	654.1	650.8	647.4	651.9
20°	786.7	785.6	784.5	775.6	759.1	733.6	707.2	685.1	682.9	679.5	676.2
22.5°	845.2	845.2	840.9	834.2	811.1	781.1	749.2	721.5	721.5	718.2	702.7
25°	901.6	899.4	897.2	889.4	870.7	838.7	801.0	769.1	764.6	764.6	738.1
27.5°	953.5	953.5	956.8	952.5	933.6	900.5	863.0	826.5	824.3	819.8	779.0
30°	1007.7	1009.9	1011.0	1011.0	1002.2	976.7	935.9	908.3	912.7	901.6	839.7
32.5°	1048.5	1050.7	1065.1	1078.3	1070.6	1056.3	1033.1	1024.3	1028.6	1037.5	970.1
35°	1087.2	1090.5	1110.4	1138.1	1150.3	1143.6	1146.9	1162.3	1172.3	1207.7	1149.1
37.5°	1116.0	1119.3	1136.9	1171.2	1207.7	1226.4	1257.4	1291.7	1310.4	1355.8	1271.8
40°	1123.7	1129.2	1165.7	1212.0	1267.4	1323.7	1361.3	1405.5	1428.7	1449.6	1354.6
42.5°	1097.2	1102.7	1150.3	1247.5	1324.8	1411.0	1451.8	1512.6	1531.4	1519.3	1418.7
45°	1080.6	1083.9	1132.5	1244.1	1374.5	1495.0	1534.7	1598.8	1609.8	1580.0	1473.9
47.5°	1057.4	1060.7	1112.6	1238.6	1414.3	1567.9	1595.5	1658.5	1672.9	1630.9	1515.9
50°	1023.1	1027.6	1087.2	1228.6	1440.8	1617.6	1647.4	1712.7	1720.4	1676.2	1560.1
52.5°	982.3	988.9	1051.9	1207.7	1458.5	1649.6	1688.3	1755.7	1763.4	1734.8	1607.6
55°	932.6	939.1	1006.5	1176.7	1453.0	1659.6	1706.0	1810.9	1824.2	1801.0	1648.6
57.5°	883.9	888.4	958.0	1131.4	1422.0	1675.0	1759.0	1900.4	1918.2	1869.5	1681.7
60°	825.3	835.3	902.8	1069.6	1374.5	1690.5	1827.5	2007.6	2024.3	1935.8	1707.0
62.5°	764.6	773.4	833.1	992.2	1300.5	1676.2	1879.5	2100.4	2110.4	1988.8	1715.9
65°	693.9	695.0	750.2	893.9	1194.4	1617.6	1883.9	2145.8	2155.6	2021.9	1700.5
67.5°	599.9	599.9	646.4	769.1	1051.9	1511.5	1844.1	2160.1	2174.5	2044.0	1662.8
70°	469.6	477.3	512.7	622.0	870.7	1361.3	1793.3	2171.2	2184.4	2012.1	1577.8
72.5°	328.2	326.0	362.4	428.7	629.8	1086.2	1599.9	2008.7	2008.7	1848.6	1422.0
75°	100.6	112.6	129.3	173.5	287.3	728.1	1310.4	1702.7	1724.7	1601.1	1172.3
77.5°	33.1	33.1	38.7	47.5	61.9	154.6	655.3	1043.0	1060.7	1042.0	725.9
80°	26.5	26.5	29.8	34.3	39.8	79.5	230.9	391.1	419.9	463.0	300.5
82.5°	18.8	18.8	19.9	20.9	19.9	32.0	60.8	103.9	106.1	114.9	97.2
85°	12.2	11.0	11.0	9.9	8.9	8.9	7.7	7.7	8.9	8.9	11.0
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3
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°	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6
2.5°	565.8	566.8	570.1	572.3	574.6	576.8	577.8	579.0	579.0	580.1	580.1
5°	573.5	575.6	581.2	586.7	595.6	604.4	612.1	616.5	617.6	622.0	622.0
7.5°	583.4	586.7	599.9	609.9	623.2	633.1	641.9	646.4	650.8	653.0	653.0
10°	598.9	603.3	616.5	627.5	638.6	646.4	651.9	655.3	656.3	657.5	657.5
12.5°	614.3	619.8	627.5	636.4	643.1	647.4	650.8	651.9	651.9	651.9	651.9
15°	630.9	633.1	635.4	637.5	640.9	641.9	641.9	640.9	638.6	637.5	637.5
17.5°	647.4	645.3	641.9	637.5	633.1	629.8	625.4	621.0	617.6	615.5	616.5
20°	667.3	660.8	646.4	635.4	623.2	611.0	601.1	592.2	585.7	584.5	585.7
22.5°	690.6	677.4	654.1	630.9	609.9	587.8	566.8	554.7	548.0	542.5	542.5
25°	718.2	697.1	660.8	624.3	591.2	555.7	527.1	508.2	497.2	490.6	492.8
27.5°	750.2	723.7	667.3	614.3	563.4	517.1	479.6	449.7	437.6	428.7	429.9
30°	796.7	754.7	675.1	599.9	528.1	469.6	419.9	384.5	363.5	356.9	359.1
32.5°	900.5	821.0	683.9	579.0	488.3	413.2	346.9	303.9	281.8	281.8	280.6
35°	1074.0	959.0	705.0	553.6	444.1	350.2	265.2	225.4	224.3	228.7	229.8
37.5°	1195.5	1086.2	770.1	529.3	395.6	274.1	196.6	185.6	196.6	201.1	200.0
40°	1273.9	1162.3	845.2	503.8	327.0	196.6	155.8	148.1	159.1	168.0	174.5
42.5°	1338.0	1215.4	879.5	470.7	244.2	141.4	114.9	112.6	129.3	141.4	145.9
45°	1388.9	1264.0	883.9	424.3	165.7	104.9	93.9	103.9	123.8	133.7	134.9
47.5°	1429.7	1303.7	871.8	350.2	110.5	91.7	91.7	104.9	123.8	133.7	133.7
50°	1469.5	1337.0	840.9	285.1	99.4	89.5	92.9	106.1	122.7	130.4	130.4
52.5°	1502.7	1359.1	786.7	227.6	96.1	87.3	92.9	106.1	120.5	123.8	121.5
55°	1532.5	1367.8	738.1	183.4	92.9	86.2	95.0	108.3	119.3	119.3	114.9
57.5°	1549.1	1346.9	701.6	151.4	89.5	86.2	96.1	110.5	122.7	124.8	121.5
60°	1549.1	1317.1	661.8	133.7	87.3	86.2	96.1	118.3	145.9	134.9	133.7
62.5°	1528.1	1285.0	602.2	119.3	84.0	87.3	97.2	131.5	177.9	133.7	128.2
65°	1491.6	1223.1	523.8	106.1	80.7	88.4	96.1	151.4	212.2	129.3	113.8
67.5°	1423.2	1124.8	426.5	92.9	76.3	86.2	93.9	139.2	130.4	107.1	96.1
70°	1304.9	977.9	296.2	80.7	72.9	84.0	93.9	122.7	116.0	98.4	86.2
72.5°	1129.2	802.2	159.1	66.3	64.1	79.5	91.7	112.6	99.4	80.7	72.9
75°	867.3	570.1	97.2	51.9	53.0	70.8	85.0	107.1	95.0	77.3	67.4
77.5°	500.5	264.1	69.6	38.7	37.5	56.4	76.3	99.4	92.9	75.1	65.2
80°	183.4	109.4	47.5	28.8	25.4	40.8	59.7	80.7	88.4	74.0	66.3
82.5°	78.5	58.6	31.0	19.9	18.8	23.2	36.5	56.4	74.0	59.7	55.2
85°	11.0	11.0	11.0	9.9	11.0	14.4	15.4	27.6	40.8	22.1	22.1
87.5°	4.4	4.4	4.4	4.4	5.5	5.5	4.4	4.4	3.3	3.3	3.3
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)