

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: P507467

Luminaire Tested: **VERD-S-CA1-20-760-U-T3**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507467
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-CA1-20-760-U-T3
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 430mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3512 lumens
Efficiency: N/A
Efficacy: 150.1 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): 23.4
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: 24 FT

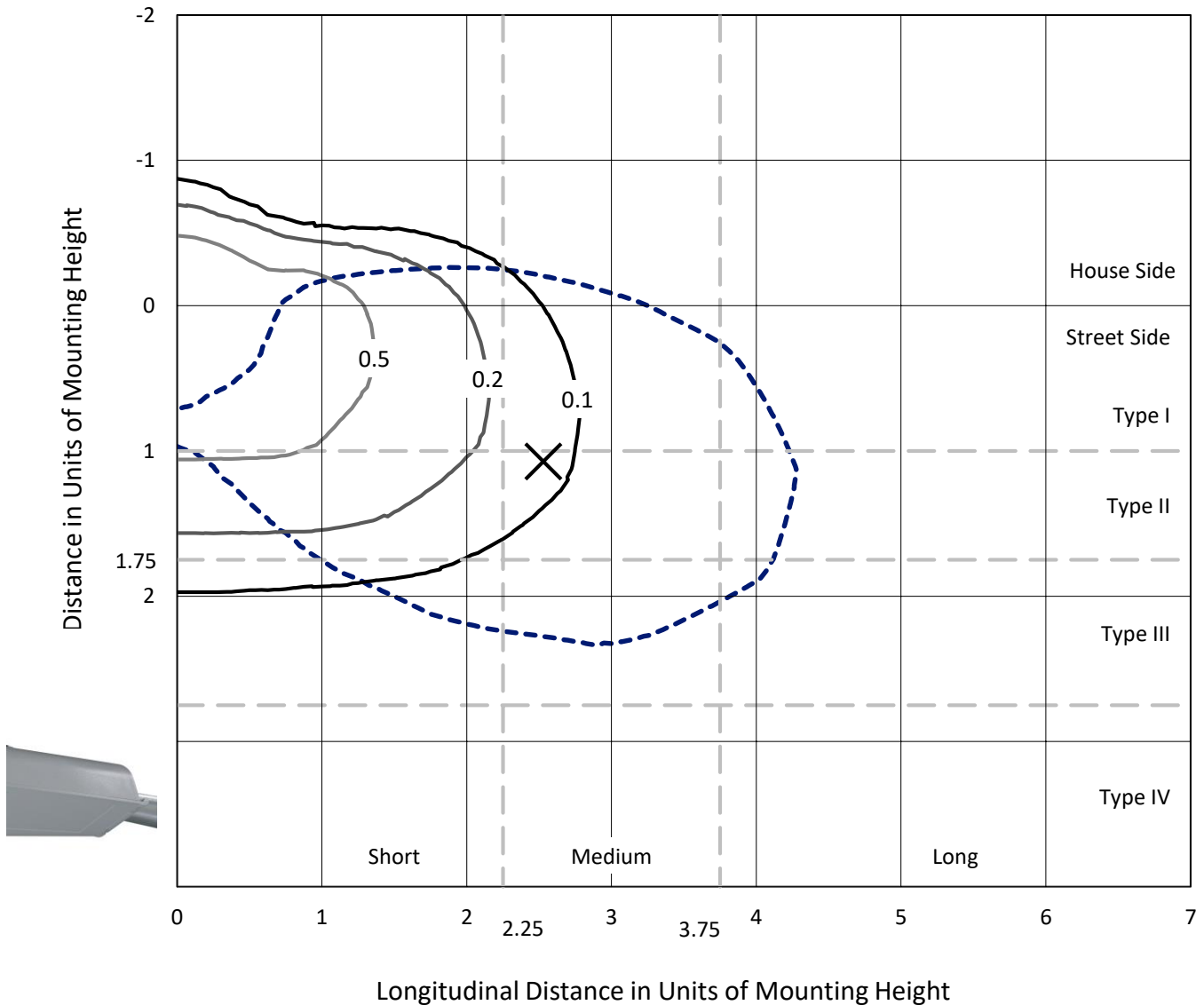


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Iso-Footcandle Lines of Horizontal Illumination

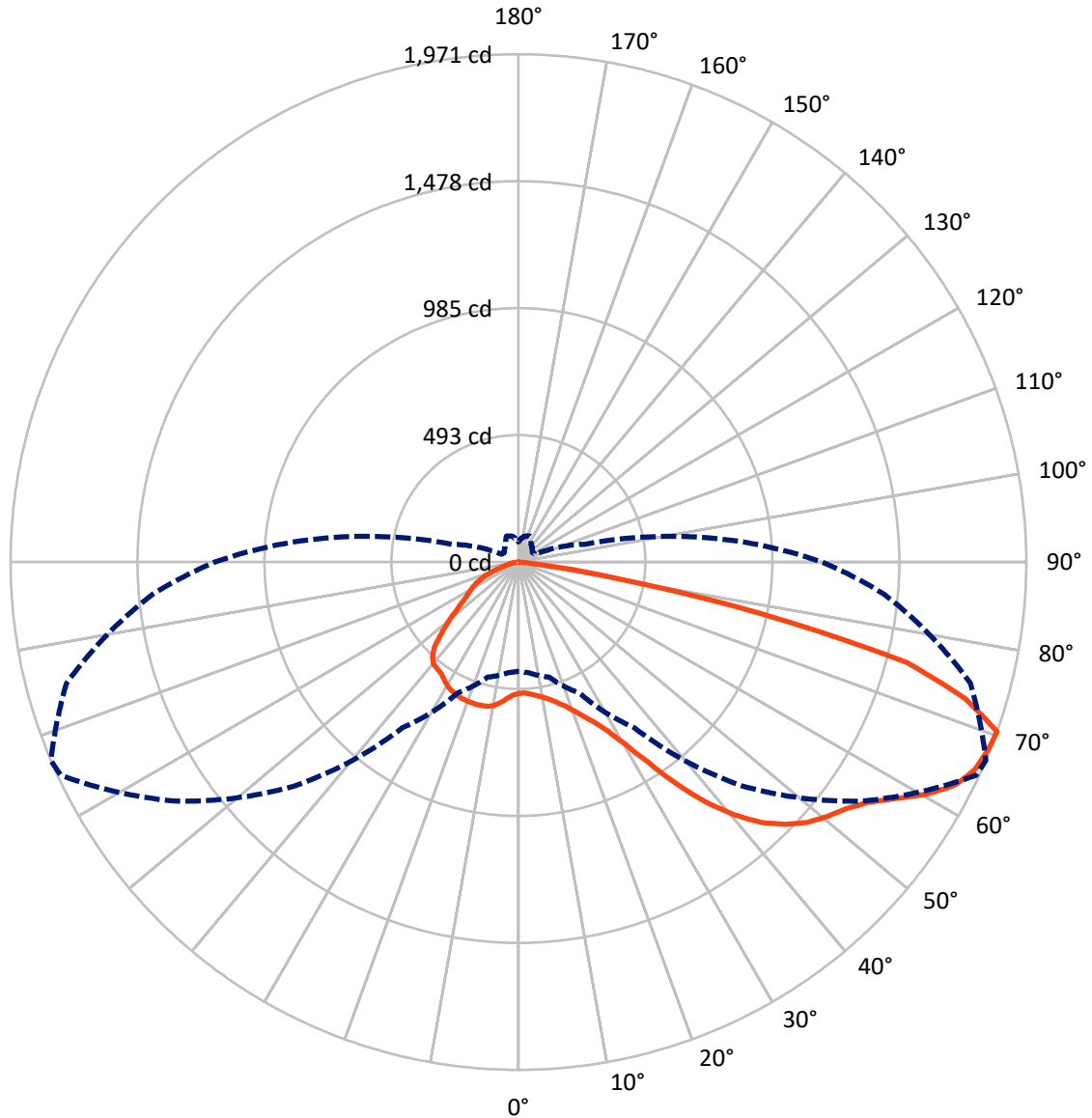
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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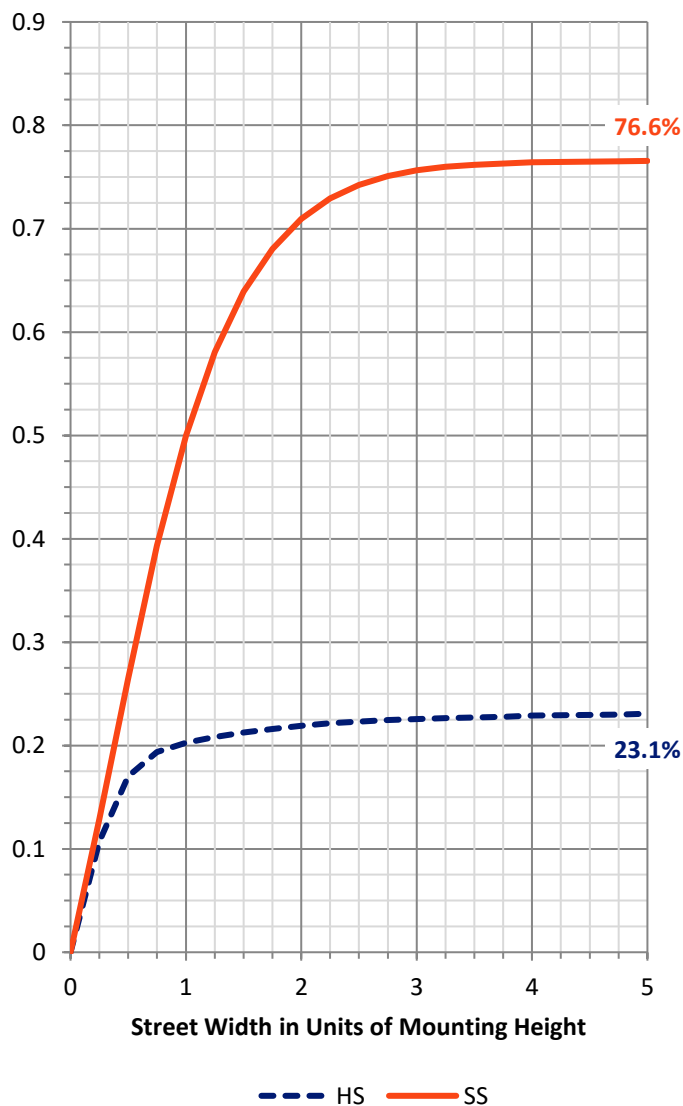
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.7	0.0	821.7
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2690.3	0.0	2690.3
	% Fixture	76.6	0.0	76.6
Total	Lumens	3512.0	0.0	3512.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.5
10°-20°	166.5	4.7
20°-30°	293.6	8.4
30°-40°	450.1	12.8
40°-50°	613.5	17.5
50°-60°	725.9	20.7
60°-70°	756.8	21.5
70°-80°	423.3	12.1
80°-90°	30.6	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°	3512.0	100.0
0°-180°	3512.0	100.0

Coefficient of Utilization



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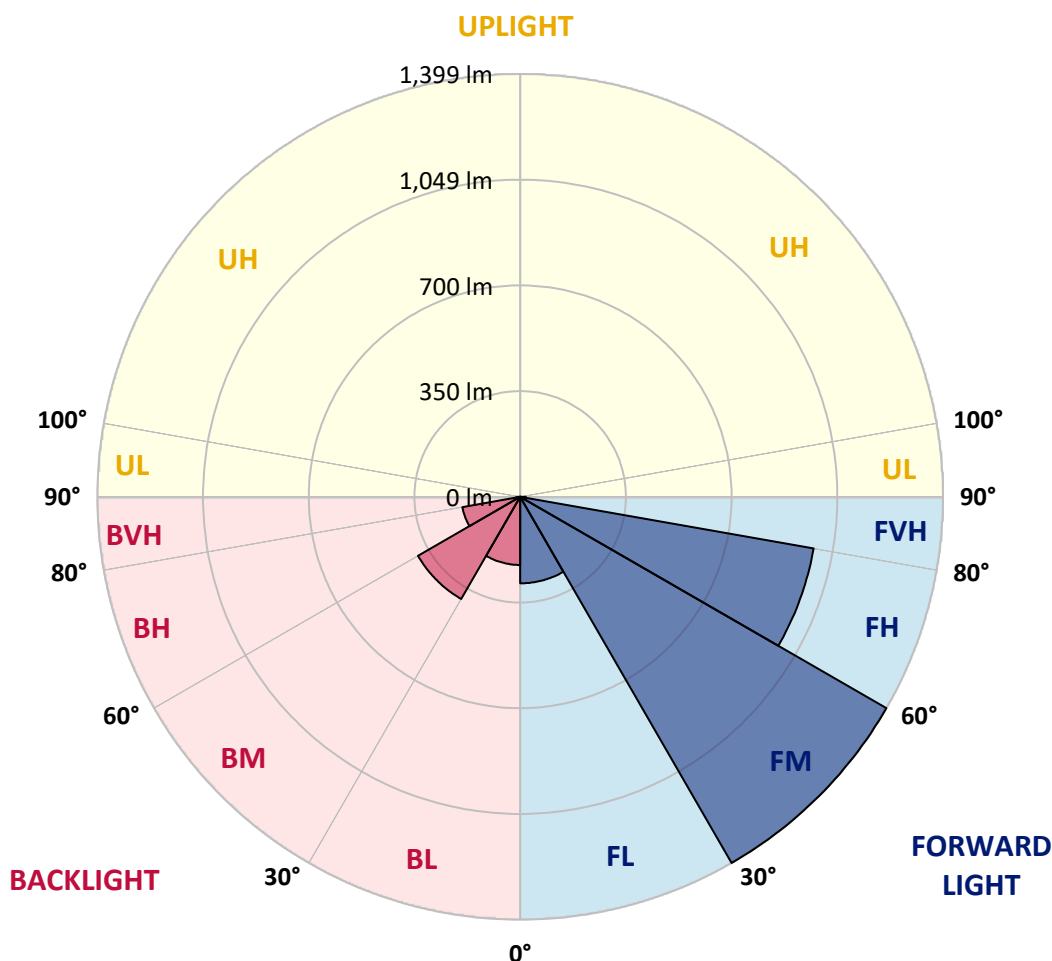
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.2	8.2			
FM (30°-60°)	1399.2	39.8			
FH (60°-80°)	986.1	28.1			G1/1800
FVH (80°-90°)	18.8	0.5			G1/100
BL (0°-30°)	225.6	6.4	B1/500		
BM (30°-60°)	390.3	11.1	B1/1000		
BH (60°-80°)	194.0	5.5	B1/500		G1/500
BVH (80°-90°)	11.9	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°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	511.4	511.4	511.4	510.4	510.4	510.4	509.4	508.4	508.4	509.4	509.4
5°	524.4	524.4	523.4	522.4	520.4	518.4	516.4	515.4	515.4	515.4	516.4
7.5°	542.3	541.3	539.3	538.3	535.3	532.3	528.4	524.4	524.4	522.4	524.4
10°	564.3	564.3	561.3	559.3	555.3	547.3	541.3	535.3	534.3	532.3	535.3
12.5°	592.2	592.2	590.2	585.2	579.2	569.2	558.3	548.3	547.3	544.3	550.3
15°	626.1	623.1	622.1	618.1	607.1	594.2	579.2	566.2	566.2	561.3	568.2
17.5°	663.9	662.9	661.9	657.0	644.0	625.1	605.1	590.2	587.2	584.2	588.2
20°	709.8	708.8	707.8	699.8	684.9	661.9	638.0	618.1	616.1	613.1	610.1
22.5°	762.6	762.6	758.6	752.7	731.7	704.8	675.9	651.0	651.0	648.0	634.0
25°	813.5	811.5	809.5	802.5	785.6	756.7	722.8	693.8	689.9	689.9	665.9
27.5°	860.3	860.3	863.3	859.3	842.4	812.5	778.6	745.7	743.7	739.7	702.8
30°	909.2	911.2	912.2	912.2	904.2	881.3	844.4	819.5	823.4	813.5	757.7
32.5°	946.1	948.1	961.0	973.0	966.0	953.0	932.1	924.1	928.1	936.1	875.3
35°	981.0	983.9	1001.9	1026.8	1037.8	1031.8	1034.8	1048.7	1057.7	1089.6	1036.8
37.5°	1006.9	1009.9	1025.8	1056.7	1089.6	1106.6	1134.5	1165.4	1182.3	1223.2	1147.4
40°	1013.9	1018.8	1051.7	1093.6	1143.5	1194.3	1228.2	1268.1	1289.0	1307.9	1222.2
42.5°	989.9	994.9	1037.8	1125.5	1195.3	1273.1	1309.9	1364.8	1381.7	1370.7	1280.0
45°	975.0	978.0	1021.8	1122.5	1240.2	1348.8	1384.7	1442.5	1452.5	1425.6	1329.9
47.5°	954.0	957.0	1003.9	1117.5	1276.0	1414.6	1439.5	1496.4	1509.3	1471.4	1367.8
50°	923.1	927.1	981.0	1108.6	1300.0	1459.5	1486.4	1545.2	1552.2	1512.3	1407.6
52.5°	886.3	892.2	949.1	1089.6	1315.9	1488.4	1523.3	1584.1	1591.1	1565.1	1450.5
55°	841.4	847.4	908.2	1061.7	1310.9	1497.4	1539.2	1633.9	1645.9	1625.0	1487.4
57.5°	797.5	801.5	864.3	1020.8	1283.0	1511.3	1587.1	1714.7	1730.6	1686.8	1517.3
60°	744.7	753.7	814.5	965.0	1240.2	1525.3	1648.9	1811.4	1826.3	1746.6	1540.2
62.5°	689.9	697.8	751.7	895.2	1173.4	1512.3	1695.7	1895.1	1904.1	1794.4	1548.2
65°	626.1	627.1	676.9	806.5	1077.7	1459.5	1699.7	1936.0	1945.0	1824.3	1534.2
67.5°	541.3	541.3	583.2	693.8	949.1	1363.8	1663.8	1949.0	1961.9	1844.3	1500.3
70°	423.7	430.7	462.6	561.3	785.6	1228.2	1618.0	1958.9	1970.9	1815.4	1423.6
72.5°	296.1	294.1	327.0	386.8	568.2	980.0	1443.5	1812.4	1812.4	1667.8	1283.0
75°	90.7	101.7	116.6	156.5	259.2	657.0	1182.3	1536.2	1556.2	1444.5	1057.7
77.5°	29.9	29.9	34.9	42.9	55.8	139.6	591.2	941.1	957.0	940.1	655.0
80°	23.9	23.9	26.9	30.9	35.9	71.8	208.4	352.9	378.8	417.7	271.2
82.5°	16.9	16.9	17.9	18.9	17.9	28.9	54.8	93.7	95.7	103.7	87.7
85°	11.0	10.0	10.0	9.0	8.0	8.0	7.0	7.0	8.0	8.0	10.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
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°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	510.4	511.4	514.4	516.4	518.4	520.4	521.4	522.4	522.4	523.4	523.4
5°	517.4	519.4	524.4	529.4	537.3	545.3	552.3	556.3	557.3	561.3	561.3
7.5°	526.4	529.4	541.3	550.3	562.3	571.2	579.2	583.2	587.2	589.2	589.2
10°	540.3	544.3	556.3	566.2	576.2	583.2	588.2	591.2	592.2	593.2	593.2
12.5°	554.3	559.3	566.2	574.2	580.2	584.2	587.2	588.2	588.2	588.2	588.2
15°	569.2	571.2	573.2	575.2	578.2	579.2	579.2	578.2	576.2	575.2	575.2
17.5°	584.2	582.2	579.2	575.2	571.2	568.2	564.3	560.3	557.3	555.3	556.3
20°	602.1	596.2	583.2	573.2	562.3	551.3	542.3	534.3	528.4	527.4	528.4
22.5°	623.1	611.1	590.2	569.2	550.3	530.4	511.4	500.4	494.5	489.5	489.5
25°	648.0	629.0	596.2	563.3	533.3	501.4	475.5	458.6	448.6	442.6	444.6
27.5°	676.9	653.0	602.1	554.3	508.4	466.6	432.7	405.7	394.8	386.8	387.8
30°	718.8	680.9	609.1	541.3	476.5	423.7	378.8	346.9	328.0	322.0	324.0
32.5°	812.5	740.7	617.1	522.4	440.6	372.8	313.0	274.1	254.2	254.2	253.2
35°	969.0	865.3	636.0	499.5	400.8	316.0	239.3	203.4	202.4	206.4	207.4
37.5°	1078.7	980.0	694.8	477.5	356.9	247.2	177.4	167.5	177.4	181.4	180.4
40°	1149.4	1048.7	762.6	454.6	295.1	177.4	140.6	133.6	143.6	151.5	157.5
42.5°	1207.3	1096.6	793.5	424.7	220.3	127.6	103.7	101.7	116.6	127.6	131.6
45°	1253.1	1140.5	797.5	382.8	149.5	94.7	84.7	93.7	111.7	120.6	121.6
47.5°	1290.0	1176.4	786.6	316.0	99.7	82.7	82.7	94.7	111.7	120.6	120.6
50°	1325.9	1206.3	758.6	257.2	89.7	80.7	83.7	95.7	110.7	117.6	117.6
52.5°	1355.8	1226.2	709.8	205.4	86.7	78.8	83.7	95.7	108.7	111.7	109.7
55°	1382.7	1234.2	665.9	165.5	83.7	77.8	85.7	97.7	107.7	107.7	103.7
57.5°	1397.7	1215.2	633.0	136.6	80.7	77.8	86.7	99.7	110.7	112.7	109.7
60°	1397.7	1188.3	597.1	120.6	78.8	77.8	86.7	106.7	131.6	121.6	120.6
62.5°	1378.7	1159.4	543.3	107.7	75.8	78.8	87.7	118.6	160.5	120.6	115.6
65°	1345.8	1103.6	472.5	95.7	72.8	79.8	86.7	136.6	191.4	116.6	102.7
67.5°	1284.0	1014.9	384.8	83.7	68.8	77.8	84.7	125.6	117.6	96.7	86.7
70°	1177.3	882.3	267.2	72.8	65.8	75.8	84.7	110.7	104.7	88.7	77.8
72.5°	1018.8	723.8	143.6	59.8	57.8	71.8	82.7	101.7	89.7	72.8	65.8
75°	782.6	514.4	87.7	46.9	47.9	63.8	76.8	96.7	85.7	69.8	60.8
77.5°	451.6	238.3	62.8	34.9	33.9	50.8	68.8	89.7	83.7	67.8	58.8
80°	165.5	98.7	42.9	25.9	22.9	36.9	53.8	72.8	79.8	66.8	59.8
82.5°	70.8	52.8	27.9	17.9	16.9	20.9	32.9	50.8	66.8	53.8	49.8
85°	10.0	10.0	10.0	9.0	10.0	13.0	14.0	24.9	36.9	19.9	19.9
87.5°	4.0	4.0	4.0	4.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0
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)