

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: P507476

Luminaire Tested: **VERD-S-CA1-30-722-U-T4-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-7)
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-T4-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 590mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3495.6 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

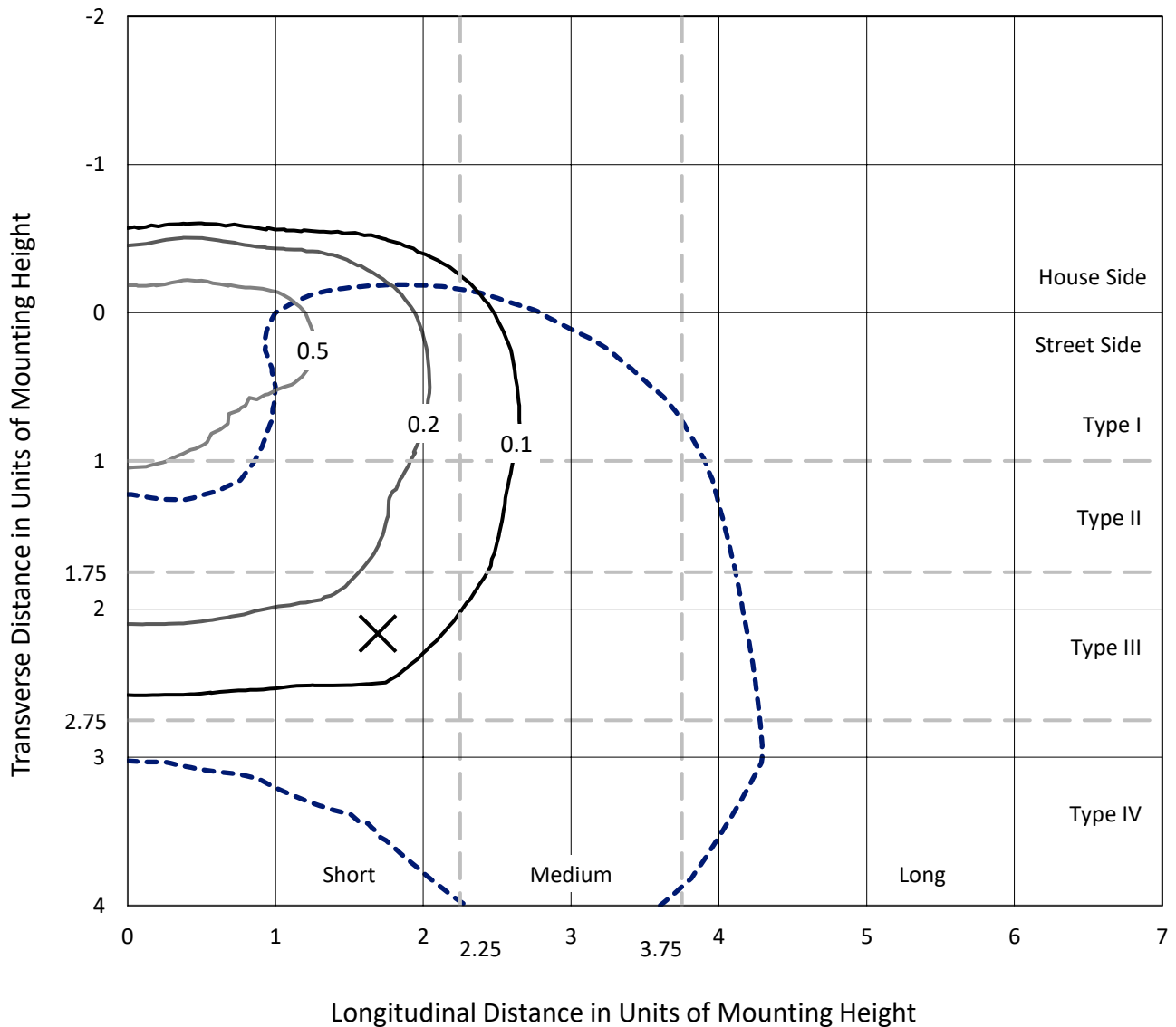
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

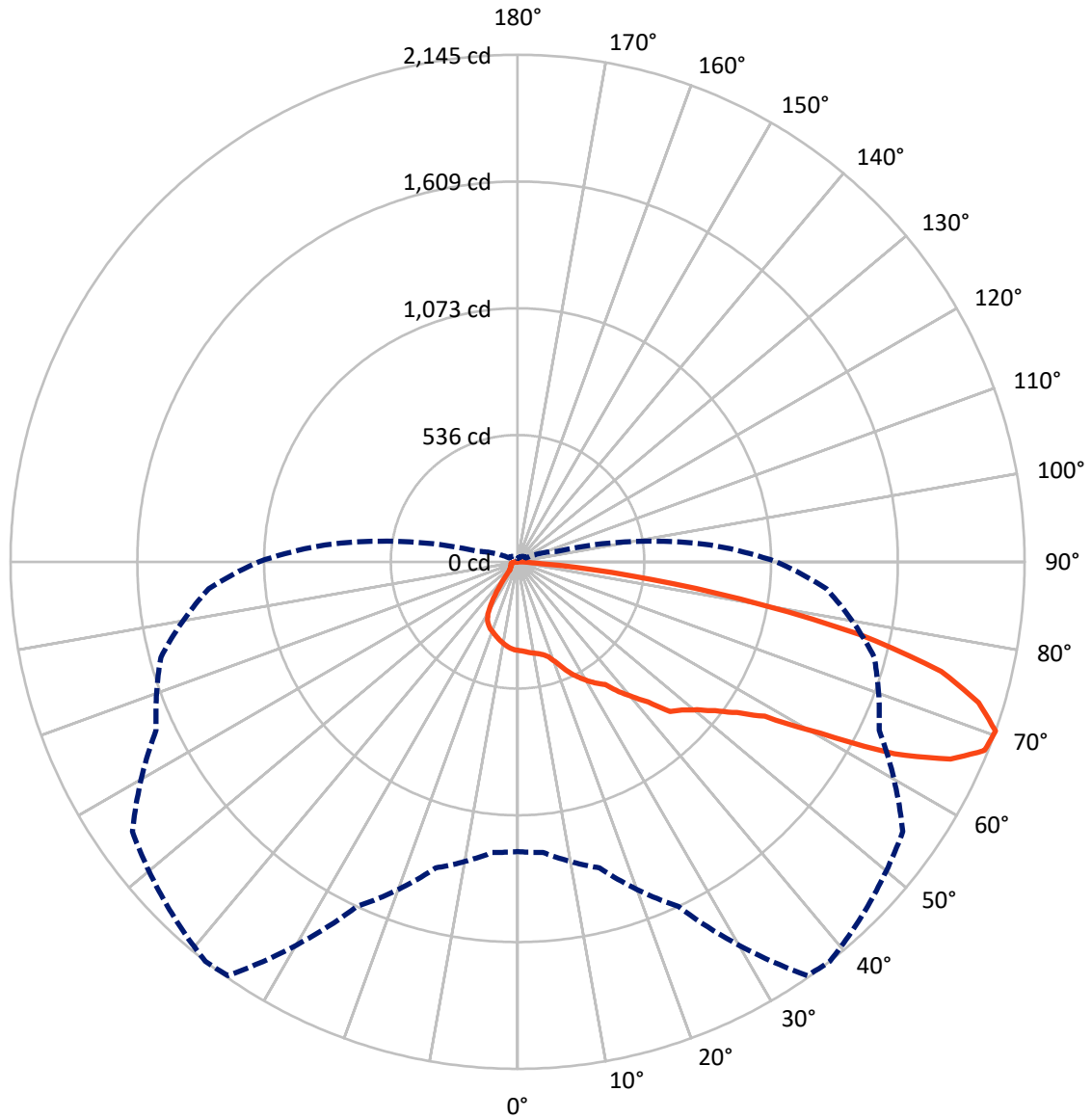
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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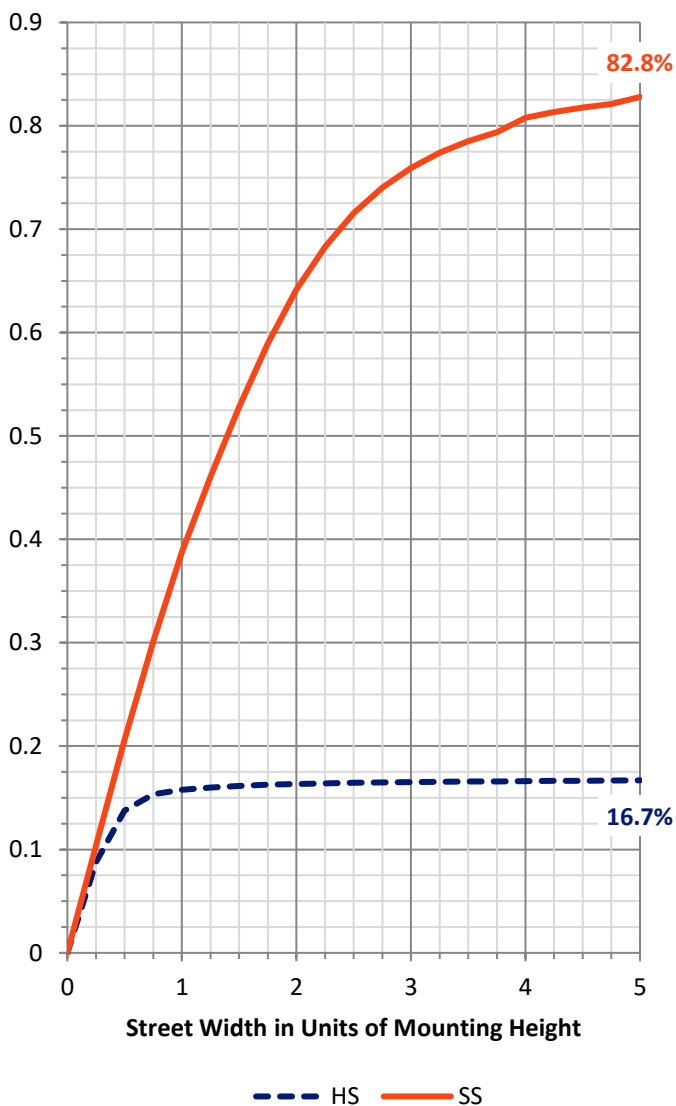
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	591.4	0.0	591.4
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	2904.2	0.0	2904.2
	% Fixture	83.1	0.0	83.1
Total	Lumens	3495.6	0.0	3495.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	1.0
10°-20°	108.6	3.1
20°-30°	199.8	5.7
30°-40°	312.9	9.0
40°-50°	475.3	13.6
50°-60°	683.4	19.6
60°-70°	918.1	26.3
70°-80°	680.2	19.5
80°-90°	81.4	2.3
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°	3495.6	100.0
0°-180°	3495.6	100.0

Coefficient of Utilization



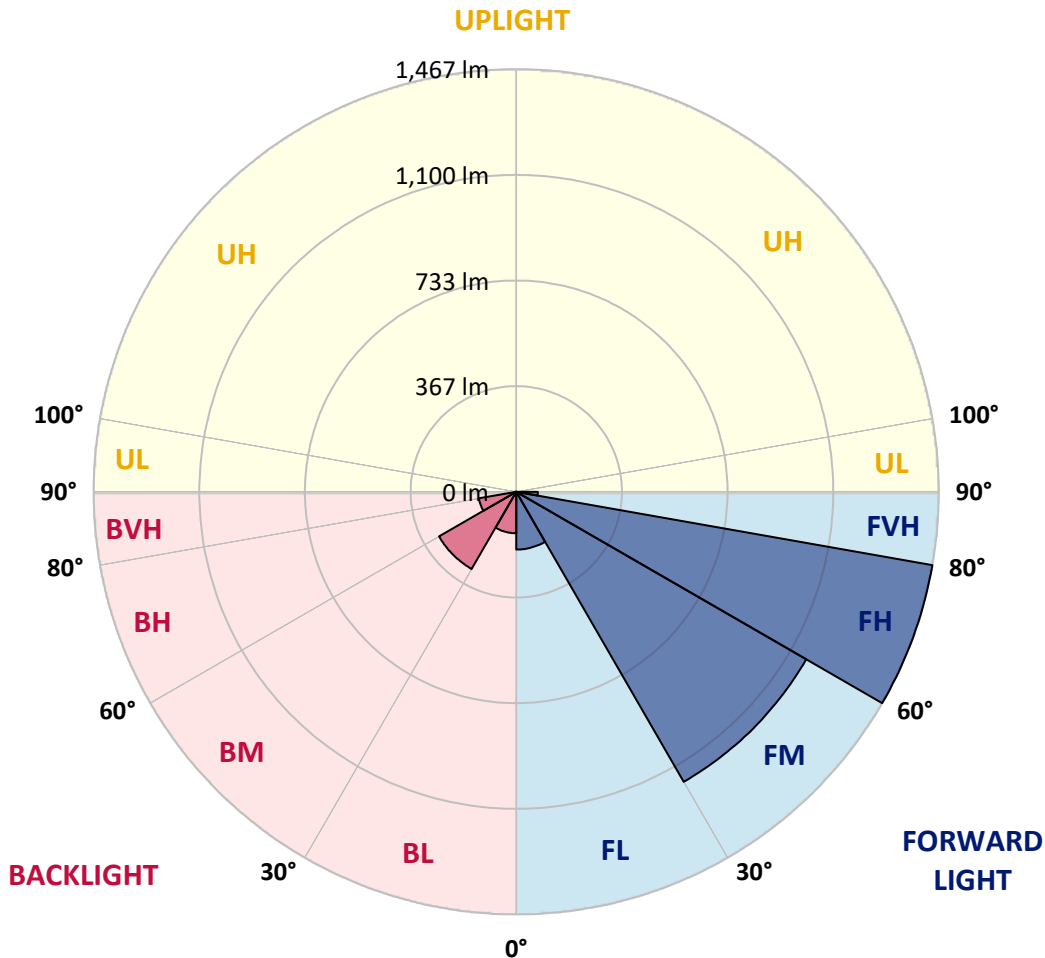
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.4	5.7			
FM (30°-60°)	1162.2	33.2			
FH (60°-80°)	1466.7	42.0			G1/1800
FVH (80°-90°)	74.8	2.1			G1/100
BL (0°-30°)	143.8	4.1	B1/500		
BM (30°-60°)	309.3	8.8	B1/1000		
BH (60°-80°)	131.7	3.8	B1/500		G1/500
BVH (80°-90°)	6.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
2.5°	380.2	380.2	380.2	379.1	379.1	378.0	378.0	376.8	376.8	375.8	374.6
5°	385.7	385.7	384.6	383.5	382.5	382.5	382.5	381.3	379.1	379.1	376.8
7.5°	388.0	388.0	388.0	388.0	388.0	388.0	388.0	386.8	385.7	384.6	382.5
10°	389.0	389.0	390.2	390.2	392.4	393.5	393.5	394.5	393.5	391.2	389.0
12.5°	392.4	393.5	393.5	394.5	397.9	399.0	400.1	403.4	403.4	401.2	399.0
15°	399.0	399.0	400.1	402.2	406.7	407.8	411.1	414.4	416.6	414.4	412.3
17.5°	418.8	418.8	418.8	418.8	421.1	422.2	426.6	432.2	434.4	434.4	433.2
20°	458.6	458.6	456.4	452.1	449.8	449.8	448.7	450.9	455.3	458.6	459.8
22.5°	504.0	502.9	501.8	495.1	487.4	485.2	483.0	480.7	483.0	488.5	490.7
25°	539.4	540.4	539.4	530.5	523.9	522.7	519.5	520.5	520.5	521.7	525.0
27.5°	568.1	570.2	565.9	561.5	557.0	553.7	556.0	559.2	564.7	562.5	569.2
30°	600.2	599.0	594.6	589.1	585.8	584.6	583.6	595.7	611.2	617.8	625.6
32.5°	657.6	656.5	647.7	620.1	612.2	612.2	614.5	630.0	654.2	675.3	695.2
35°	710.6	710.6	699.6	680.8	647.7	637.7	643.2	662.1	697.4	739.4	771.5
37.5°	773.7	774.7	762.6	733.9	707.4	697.4	670.9	697.4	740.5	821.2	861.0
40°	846.6	844.4	824.5	793.6	759.3	751.6	729.5	735.0	795.8	917.4	956.0
42.5°	887.5	885.3	872.0	847.6	820.0	811.2	791.4	785.9	869.9	1023.5	1048.9
45°	927.3	929.5	928.4	916.2	909.5	904.0	893.0	894.1	961.6	1128.4	1129.5
47.5°	950.5	954.9	937.2	936.1	937.2	937.2	952.7	983.6	1048.9	1217.9	1200.3
50°	1019.0	1014.6	960.4	962.6	977.0	983.6	1012.4	1057.7	1170.4	1295.3	1261.1
52.5°	1157.2	1126.2	1057.7	1024.5	1030.0	1046.6	1080.9	1146.1	1292.0	1371.5	1315.3
55°	1311.9	1298.7	1227.9	1142.8	1105.3	1126.2	1162.7	1231.3	1388.2	1436.8	1360.5
57.5°	1419.2	1424.7	1426.9	1358.3	1226.8	1233.4	1256.6	1316.3	1474.4	1503.1	1394.8
60°	1522.9	1530.8	1572.8	1562.7	1519.7	1471.0	1380.4	1400.3	1548.4	1550.7	1421.3
62.5°	1605.9	1610.3	1677.7	1708.6	1786.1	1789.3	1642.4	1516.4	1623.6	1584.8	1431.2
65°	1563.9	1576.1	1674.4	1768.4	1988.2	2012.6	1955.1	1664.5	1681.0	1600.4	1424.7
67.5°	1422.4	1442.3	1535.1	1750.6	2114.2	2130.8	2080.1	1933.0	1702.1	1594.8	1388.2
70°	1225.7	1234.5	1340.7	1609.2	2137.5	2145.2	2082.2	1989.4	1687.7	1562.7	1311.9
72.5°	996.9	1006.9	1098.6	1383.7	2032.5	2039.1	2022.5	1945.2	1653.4	1503.1	1157.2
75°	748.2	763.7	851.0	1080.9	1794.8	1851.2	1885.5	1852.4	1558.4	1305.2	880.9
77.5°	494.1	495.1	583.6	816.7	1422.4	1478.8	1484.3	1456.7	1106.3	819.0	391.2
80°	212.2	232.1	341.5	548.1	945.0	954.9	965.9	893.0	567.0	253.1	43.1
82.5°	70.8	78.5	143.7	289.6	465.3	476.3	456.4	395.7	159.1	34.3	24.3
85°	29.8	33.1	44.2	79.6	112.8	102.7	96.2	78.5	22.1	19.9	15.4
87.5°	1.2	1.2	1.2	1.2	2.2	1.2	2.2	2.2	3.3	3.3	4.4
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°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
2.5°	374.6	374.6	374.6	373.6	373.6	372.4	372.4	371.3	371.3	371.3	371.3
5°	376.8	376.8	374.6	373.6	371.3	369.1	366.9	364.7	362.6	362.6	362.6
7.5°	381.3	380.2	376.8	372.4	368.1	362.6	359.2	354.7	352.5	350.4	351.5
10°	388.0	385.7	381.3	374.6	365.8	357.0	349.2	342.6	339.3	336.0	334.8
12.5°	396.7	394.5	388.0	378.0	364.7	351.5	339.3	329.3	322.7	319.4	318.3
15°	410.1	406.7	397.9	383.5	364.7	344.8	328.3	313.9	302.8	296.2	296.2
17.5°	431.0	427.7	415.6	395.7	369.1	341.5	316.1	291.8	277.4	269.7	268.6
20°	458.6	454.3	439.9	411.1	376.8	340.5	302.8	271.9	247.6	234.3	233.2
22.5°	490.7	487.4	465.3	427.7	384.6	338.2	292.8	252.0	217.7	193.4	187.9
25°	528.2	522.7	489.6	441.0	386.8	332.6	278.6	231.0	183.5	153.6	148.1
27.5°	572.5	560.3	511.7	450.9	385.7	321.6	262.0	201.1	139.2	117.1	113.8
30°	620.1	599.0	533.8	457.6	379.1	304.0	233.2	150.3	100.6	87.3	84.0
32.5°	674.1	641.0	553.7	458.6	364.7	279.6	184.6	102.7	71.8	64.1	63.1
35°	739.4	694.0	574.7	454.3	343.7	239.8	128.2	69.6	53.0	50.9	50.9
37.5°	824.5	761.5	598.0	441.0	311.7	185.7	85.1	47.5	46.4	47.5	47.5
40°	914.0	838.9	626.6	421.1	270.7	133.7	54.2	44.2	44.2	45.3	45.3
42.5°	999.1	912.9	663.1	394.5	224.4	86.2	44.2	42.0	40.8	42.0	43.1
45°	1071.0	982.5	698.5	365.8	171.3	55.2	43.1	39.8	37.6	38.7	38.7
47.5°	1135.1	1035.5	718.4	331.6	120.5	43.1	43.1	36.5	34.3	34.3	35.3
50°	1189.3	1077.5	729.5	291.8	76.3	42.0	38.7	34.3	32.1	32.1	31.0
52.5°	1234.5	1108.5	728.3	247.6	49.7	40.8	36.5	32.1	28.8	29.8	29.8
55°	1268.8	1132.9	711.8	190.1	42.0	38.7	35.3	29.8	27.6	29.8	29.8
57.5°	1295.3	1143.9	680.8	132.7	40.8	35.3	33.1	27.6	25.4	26.6	26.6
60°	1308.6	1138.4	632.1	82.8	39.8	34.3	31.0	25.4	23.2	22.1	23.2
62.5°	1304.2	1118.5	562.5	55.2	37.6	32.1	28.8	24.3	21.1	18.8	18.8
65°	1277.6	1074.3	479.7	46.4	36.5	32.1	27.6	23.2	18.8	17.7	17.7
67.5°	1217.9	982.5	355.9	43.1	36.5	31.0	26.6	22.1	18.8	16.6	16.6
70°	1095.3	817.8	171.3	39.8	36.5	32.1	26.6	21.1	17.7	15.4	15.4
72.5°	886.4	578.1	44.2	34.3	35.3	32.1	27.6	21.1	16.6	14.4	14.4
75°	578.1	277.4	37.6	27.6	32.1	29.8	26.6	21.1	16.6	13.2	13.2
77.5°	187.9	38.7	34.3	24.3	28.8	28.8	26.6	21.1	16.6	12.2	12.2
80°	29.8	27.6	29.8	18.8	21.1	24.3	21.1	19.9	15.4	11.0	11.0
82.5°	21.1	25.4	22.1	15.4	18.8	19.9	16.6	13.2	11.0	9.9	9.9
85°	15.4	16.6	13.2	12.2	14.4	16.6	13.2	9.9	8.9	8.9	8.9
87.5°	5.5	6.7	6.7	8.9	11.0	12.2	7.7	5.5	6.7	6.7	6.7
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)