

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: P507516

Luminaire Tested: **VERD-S-CA1-30-760-U-T4-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507516
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-CA1-30-760-U-T4-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 590mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4274.5 lumens
Efficiency: N/A
Efficacy: 125.7 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

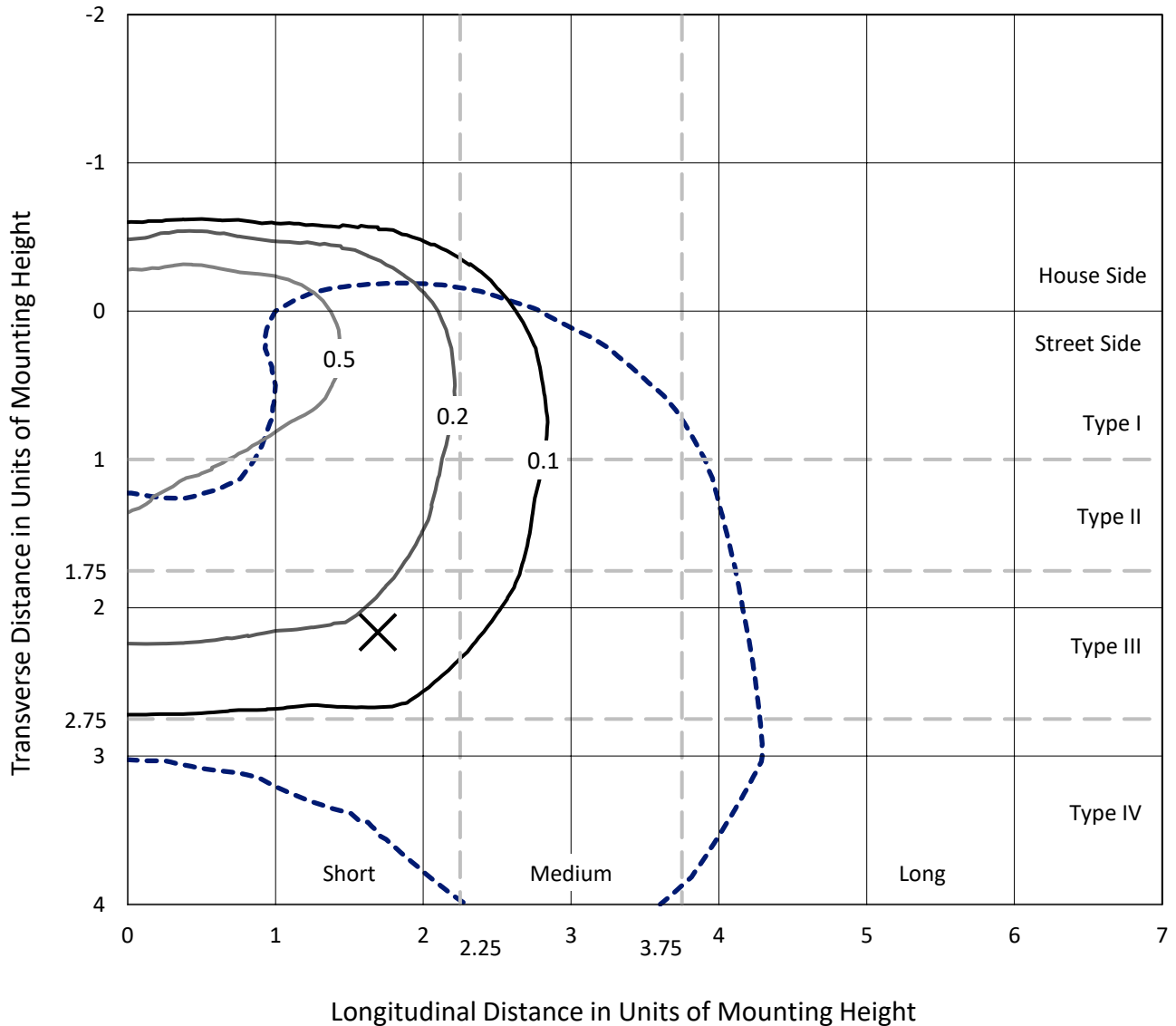
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

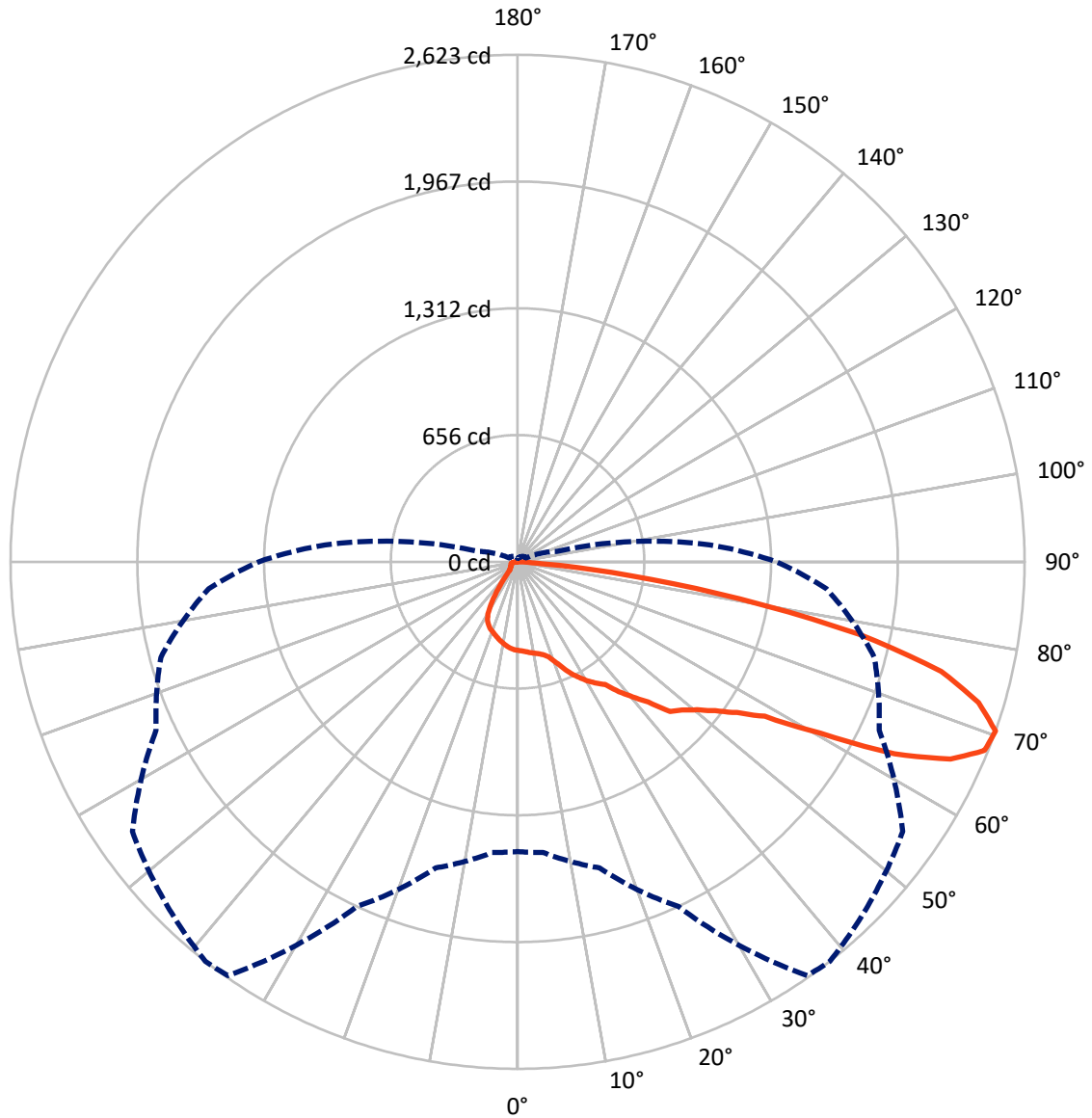
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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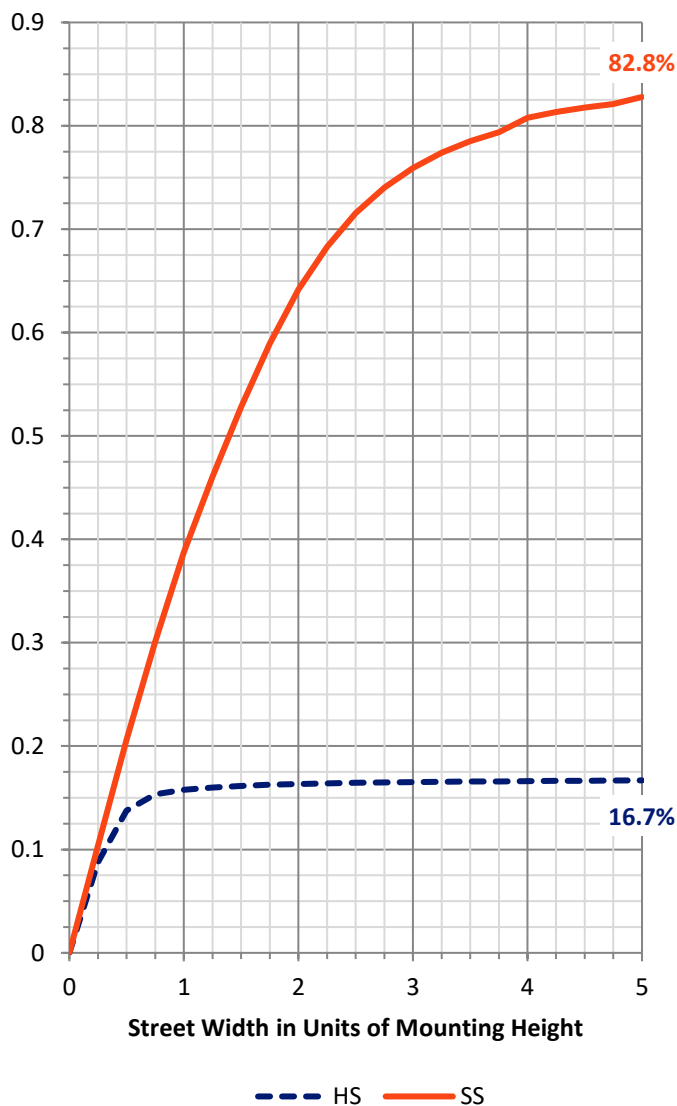
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	723.1	0.0	723.1
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	3551.3	0.0	3551.3
	% Fixture	83.1	0.0	83.1
Total	Lumens	4274.5	0.0	4274.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	1.0
10°-20°	132.7	3.1
20°-30°	244.4	5.7
30°-40°	382.6	9.0
40°-50°	581.2	13.6
50°-60°	835.7	19.6
60°-70°	1122.7	26.3
70°-80°	831.8	19.5
80°-90°	99.5	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°	4274.5	100.0
0°-180°	4274.5	100.0

Coefficient of Utilization

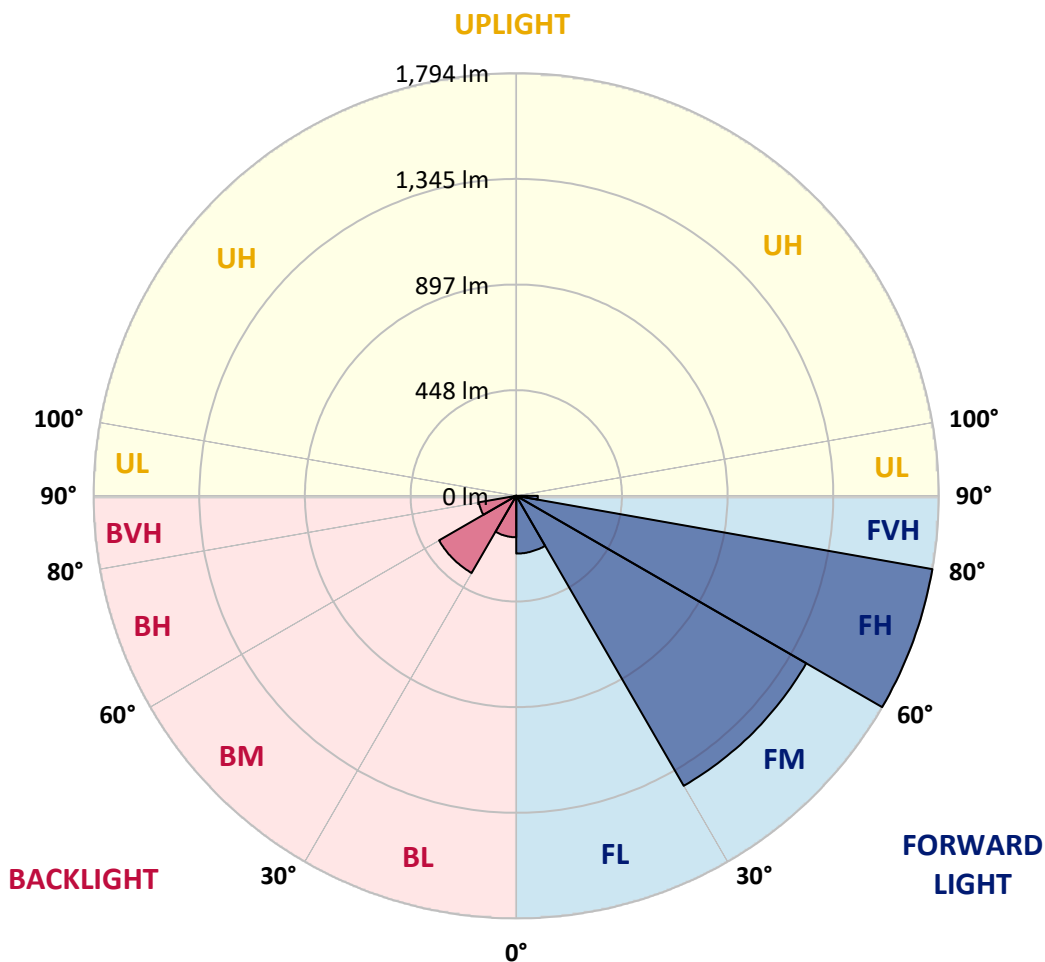


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.1	5.7			
FM (30°-60°)	1421.2	33.2			
FH (60°-80°)	1793.5	42.0			G1/1800
FVH (80°-90°)	91.5	2.1			G1/100
BL (0°-30°)	175.9	4.1	B1/500		
BM (30°-60°)	378.3	8.8	B1/1000		
BH (60°-80°)	161.0	3.8	B1/500		G1/500
BVH (80°-90°)	8.0	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°	458.2	458.2	458.2	458.2	458.2	458.2	458.2	458.2	458.2	458.2	458.2
2.5°	465.0	465.0	465.0	463.6	463.6	462.2	462.2	460.8	460.8	459.5	458.2
5°	471.6	471.6	470.4	469.0	467.6	467.6	467.6	466.2	463.6	463.6	460.8
7.5°	474.4	474.4	474.4	474.4	474.4	474.4	474.4	473.0	471.6	470.4	467.6
10°	475.8	475.8	477.0	477.0	479.8	481.2	481.2	482.4	481.2	478.4	475.8
12.5°	479.8	481.2	481.2	482.4	486.6	487.9	489.2	493.3	493.3	490.6	487.9
15°	487.9	487.9	489.2	492.0	497.4	498.7	502.8	506.8	509.5	506.8	504.1
17.5°	512.2	512.2	512.2	512.2	514.9	516.3	521.7	528.5	531.1	531.1	529.7
20°	560.9	560.9	558.2	552.7	550.1	550.1	548.7	551.4	556.8	560.9	562.2
22.5°	616.3	614.9	613.6	605.4	596.0	593.4	590.6	588.0	590.6	597.4	600.0
25°	659.5	660.9	659.5	648.7	640.7	639.3	635.2	636.5	636.5	637.9	641.9
27.5°	694.6	697.4	692.0	686.6	681.2	677.1	679.8	683.9	690.6	687.9	696.0
30°	733.9	732.5	727.1	720.4	716.2	715.0	713.6	728.4	747.4	755.5	764.9
32.5°	804.2	802.8	792.0	758.2	748.7	748.7	751.5	770.3	800.1	825.8	850.1
35°	869.0	869.0	855.5	832.6	792.0	779.8	786.6	809.6	852.8	904.1	943.4
37.5°	946.0	947.4	932.6	897.4	864.9	852.8	820.4	852.8	905.5	1004.1	1052.8
40°	1035.2	1032.5	1008.3	970.4	928.5	919.0	891.9	898.7	973.1	1121.7	1169.0
42.5°	1085.2	1082.6	1066.4	1036.6	1002.9	992.0	967.7	960.9	1063.6	1251.5	1282.6
45°	1133.9	1136.6	1135.3	1120.3	1112.3	1105.5	1092.0	1093.4	1175.8	1379.9	1381.2
47.5°	1162.3	1167.7	1146.1	1144.7	1146.1	1146.1	1165.0	1202.8	1282.6	1489.3	1467.7
50°	1246.1	1240.7	1174.4	1177.2	1194.8	1202.8	1237.9	1293.4	1431.2	1583.9	1542.0
52.5°	1415.0	1377.2	1293.4	1252.9	1259.6	1279.9	1321.8	1401.5	1579.9	1677.2	1608.3
55°	1604.3	1588.1	1501.5	1397.4	1351.5	1377.2	1421.8	1505.6	1697.5	1757.0	1663.7
57.5°	1735.3	1742.1	1744.8	1661.0	1500.2	1508.3	1536.6	1609.7	1802.9	1838.1	1705.6
60°	1862.4	1871.8	1923.2	1911.0	1858.3	1798.8	1688.0	1712.3	1893.4	1896.2	1738.0
62.5°	1963.7	1969.1	2051.6	2089.4	2184.1	2188.1	2008.4	1854.3	1985.4	1938.1	1750.2
65°	1912.4	1927.3	2047.5	2162.4	2431.3	2461.1	2390.8	2035.4	2055.7	1956.9	1742.1
67.5°	1739.4	1763.8	1877.2	2140.8	2585.4	2605.6	2543.5	2363.8	2081.3	1950.3	1697.5
70°	1498.8	1509.6	1639.4	1967.8	2613.8	2623.3	2546.3	2432.7	2063.7	1911.0	1604.3
72.5°	1219.1	1231.3	1343.4	1692.1	2485.4	2493.6	2473.2	2378.6	2021.8	1838.1	1415.0
75°	915.0	933.9	1040.6	1321.8	2194.9	2263.8	2305.7	2265.1	1905.6	1596.1	1077.2
77.5°	604.1	605.4	713.6	998.7	1739.4	1808.3	1815.1	1781.2	1352.9	1001.5	478.4
80°	259.5	283.9	417.7	670.3	1155.5	1167.7	1181.2	1092.0	693.4	309.5	52.7
82.5°	86.5	96.0	175.7	354.0	569.0	582.5	558.2	483.8	194.6	41.9	29.7
85°	36.5	40.5	54.1	97.3	137.8	125.6	117.6	96.0	27.0	24.3	18.9
87.5°	1.4	1.4	1.4	1.4	2.6	1.4	2.6	2.6	4.0	4.0	5.4
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°	458.2	458.2	458.2	458.2	458.2	458.2	458.2	458.2	458.2	458.2	458.2
2.5°	458.2	458.2	458.2	456.8	456.8	455.4	455.4	454.1	454.1	454.1	454.1
5°	460.8	460.8	458.2	456.8	454.1	451.4	448.7	446.0	443.3	443.3	443.3
7.5°	466.2	465.0	460.8	455.4	450.0	443.3	439.2	433.8	431.1	428.5	429.7
10°	474.4	471.6	466.2	458.2	447.4	436.5	427.1	418.9	414.9	410.9	409.5
12.5°	485.2	482.4	474.4	462.2	446.0	429.7	414.9	402.7	394.7	390.6	389.2
15°	501.4	497.4	486.6	469.0	446.0	421.7	401.4	383.8	370.3	362.2	362.2
17.5°	527.1	523.1	508.2	483.8	451.4	417.7	386.5	356.8	339.2	329.8	328.4
20°	560.9	555.5	537.9	502.8	460.8	416.3	370.3	332.5	302.7	286.5	285.1
22.5°	600.0	596.0	569.0	523.1	470.4	413.5	358.2	308.1	266.2	236.6	229.8
25°	646.1	639.3	598.8	539.3	473.0	406.9	340.6	282.5	224.4	187.9	181.1
27.5°	700.0	685.2	625.7	551.4	471.6	393.3	320.3	246.0	170.3	143.2	139.2
30°	758.2	732.5	652.7	559.5	463.6	371.6	285.1	183.8	123.0	106.8	102.7
32.5°	824.4	783.9	677.1	560.9	446.0	342.0	225.7	125.6	87.8	78.4	77.1
35°	904.1	848.8	702.8	555.5	420.3	293.3	156.8	85.1	64.9	62.1	62.1
37.5°	1008.3	931.2	731.2	539.3	381.1	227.0	104.0	58.1	56.7	58.1	58.1
40°	1117.7	1025.8	766.3	514.9	331.1	163.5	66.3	54.1	54.1	55.5	55.5
42.5°	1221.7	1116.3	810.9	482.4	274.3	105.4	54.1	51.3	50.1	51.3	52.7
45°	1309.6	1201.5	854.2	447.4	209.5	67.5	52.7	48.7	45.9	47.3	47.3
47.5°	1388.0	1266.4	878.5	405.5	147.3	52.7	52.7	44.6	41.9	41.9	43.3
50°	1454.2	1317.7	891.9	356.8	93.2	51.3	47.3	41.9	39.2	39.2	37.9
52.5°	1509.6	1355.5	890.7	302.7	60.9	50.1	44.6	39.2	35.1	36.5	36.5
55°	1551.5	1385.3	870.3	232.4	51.3	47.3	43.3	36.5	33.8	36.5	36.5
57.5°	1583.9	1398.8	832.6	162.2	50.1	43.3	40.5	33.8	31.1	32.4	32.4
60°	1600.1	1392.0	773.1	101.4	48.7	41.9	37.9	31.1	28.4	27.0	28.4
62.5°	1594.7	1367.7	687.9	67.5	45.9	39.2	35.1	29.7	25.7	23.0	23.0
65°	1562.3	1313.6	586.6	56.7	44.6	39.2	33.8	28.4	23.0	21.6	21.6
67.5°	1489.3	1201.5	435.2	52.7	44.6	37.9	32.4	27.0	23.0	20.3	20.3
70°	1339.3	1000.1	209.5	48.7	44.6	39.2	32.4	25.7	21.6	18.9	18.9
72.5°	1083.9	706.8	54.1	41.9	43.3	39.2	33.8	25.7	20.3	17.6	17.6
75°	706.8	339.2	45.9	33.8	39.2	36.5	32.4	25.7	20.3	16.2	16.2
77.5°	229.8	47.3	41.9	29.7	35.1	35.1	32.4	25.7	20.3	14.8	14.8
80°	36.5	33.8	36.5	23.0	25.7	29.7	25.7	24.3	18.9	13.5	13.5
82.5°	25.7	31.1	27.0	18.9	23.0	24.3	20.3	16.2	13.5	12.2	12.2
85°	18.9	20.3	16.2	14.8	17.6	20.3	16.2	12.2	10.8	10.8	10.8
87.5°	6.8	8.1	8.1	10.8	13.5	14.8	9.4	6.8	8.1	8.1	8.1
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)