

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: P507496

Luminaire Tested: **VERD-S-CA1-30-740-U-T2-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-30-740-U-T2-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 590mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4440.2 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

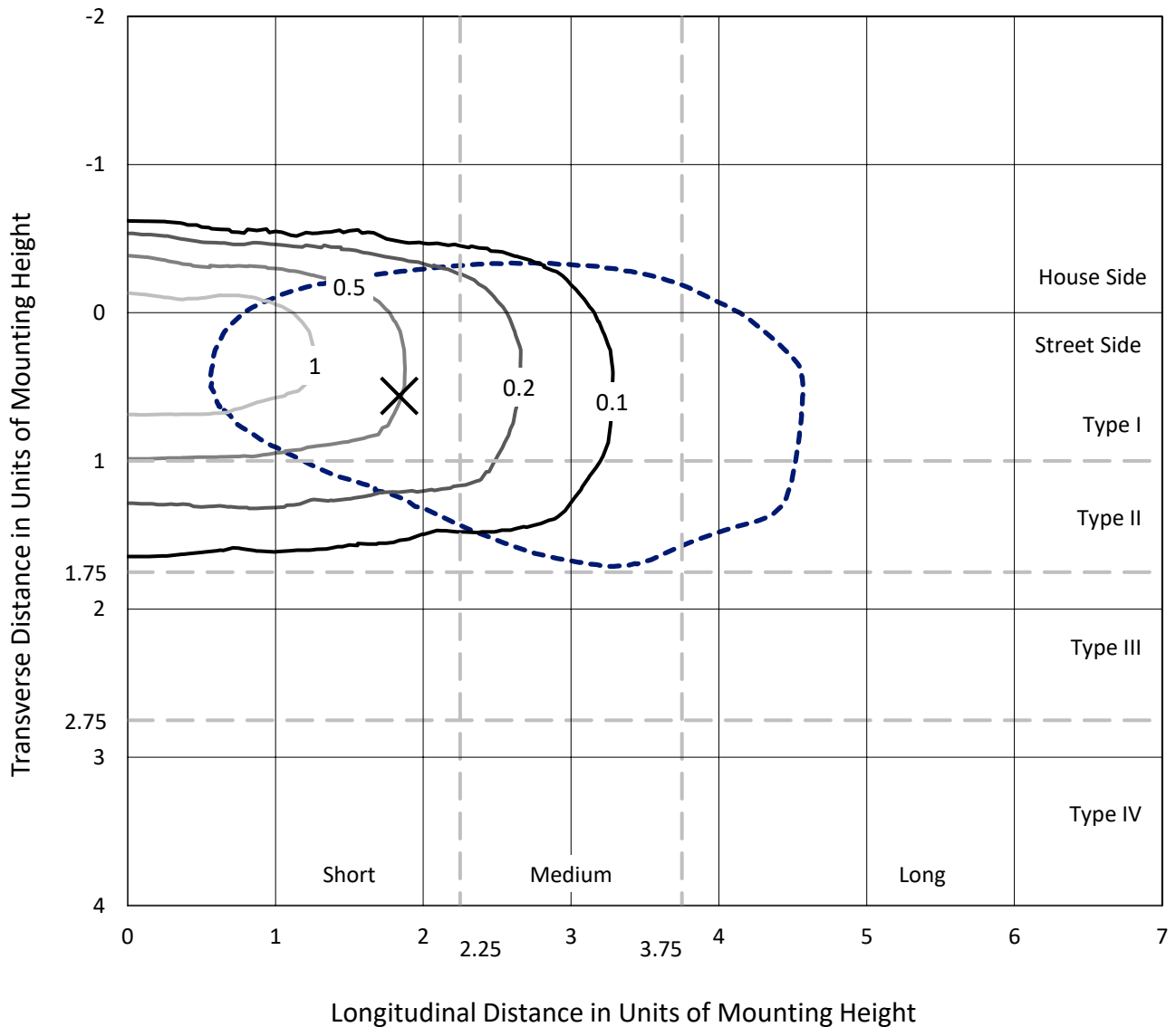
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507496
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

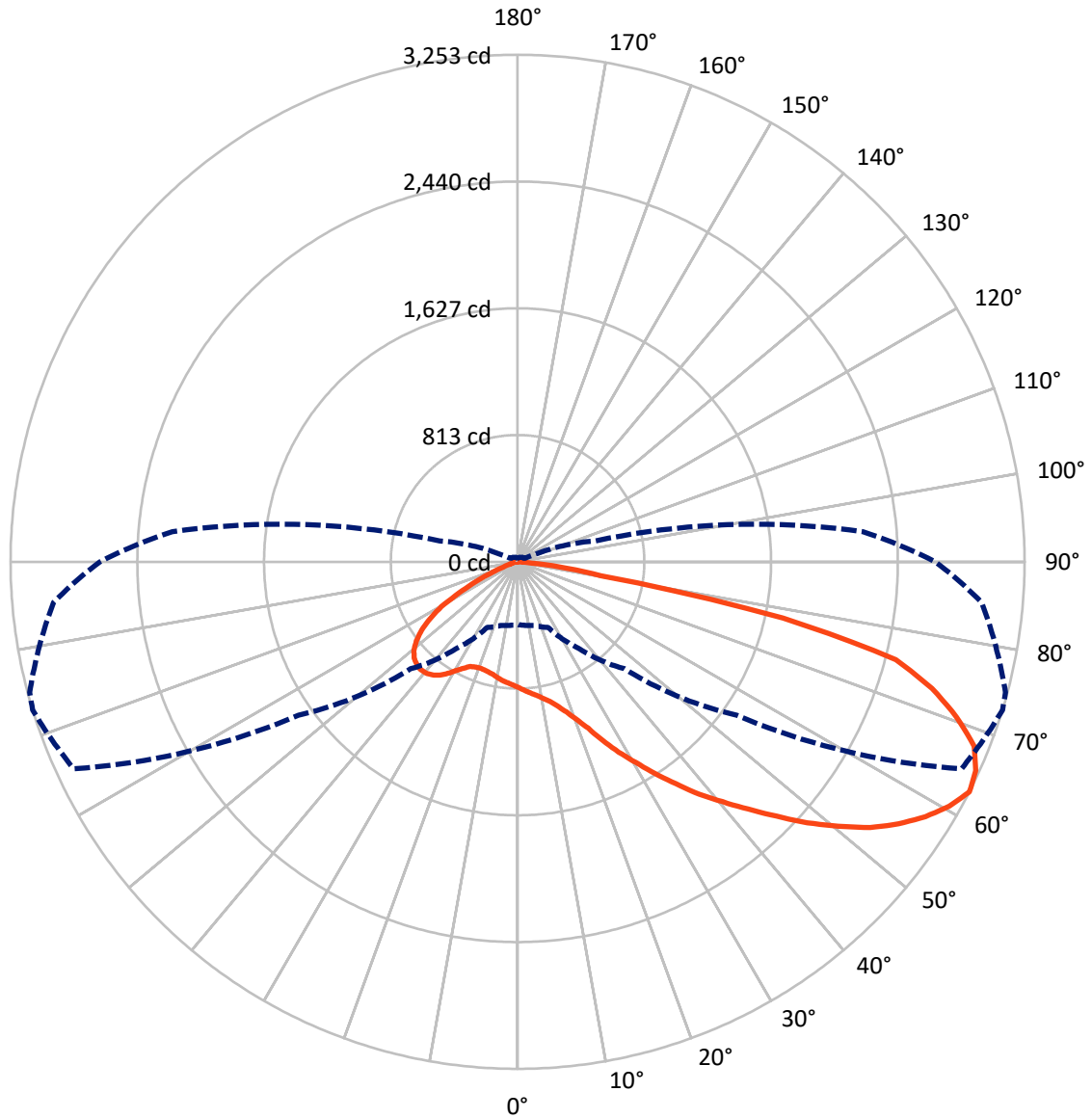
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

REPORT NUMBER: P507496
CATALOG NUMBER: VERD-S-CA1-30-740-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P507496
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T2-HSS

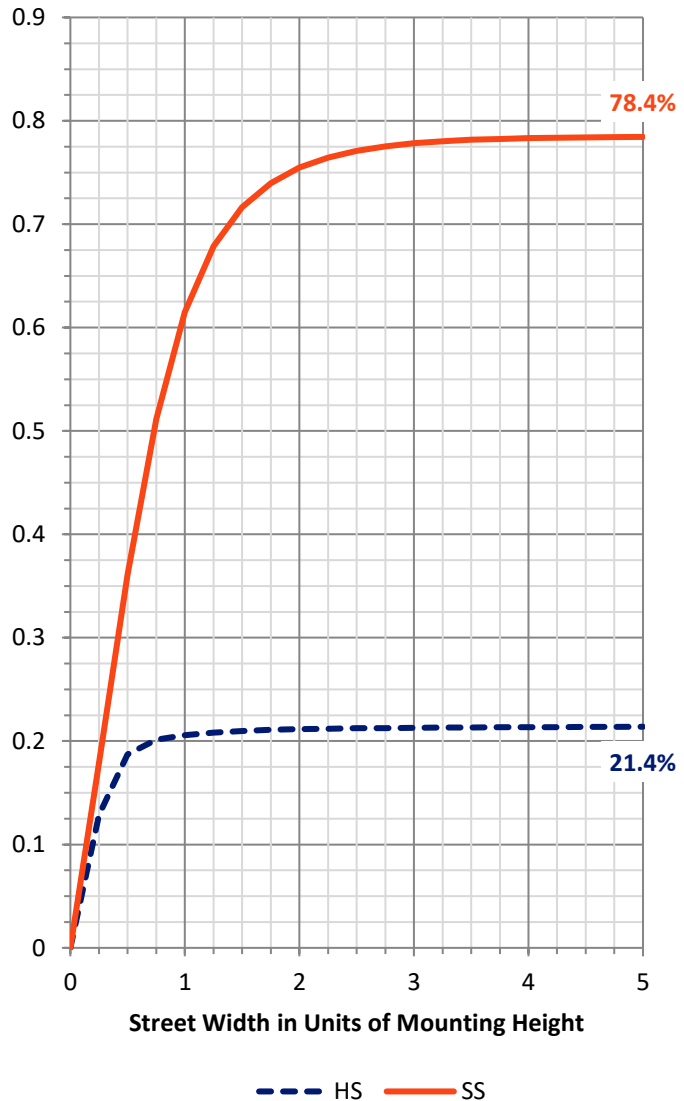
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	961.8	0.0	961.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3478.4	0.0	3478.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	4440.2	0.0	4440.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.7
10°-20°	232.2	5.2
20°-30°	401.7	9.0
30°-40°	589.9	13.3
40°-50°	766.8	17.3
50°-60°	889.0	20.0
60°-70°	894.7	20.2
70°-80°	545.2	12.3
80°-90°	43.4	1.0
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°	4440.2	100.0
0°-180°	4440.2	100.0

Coefficient of Utilization



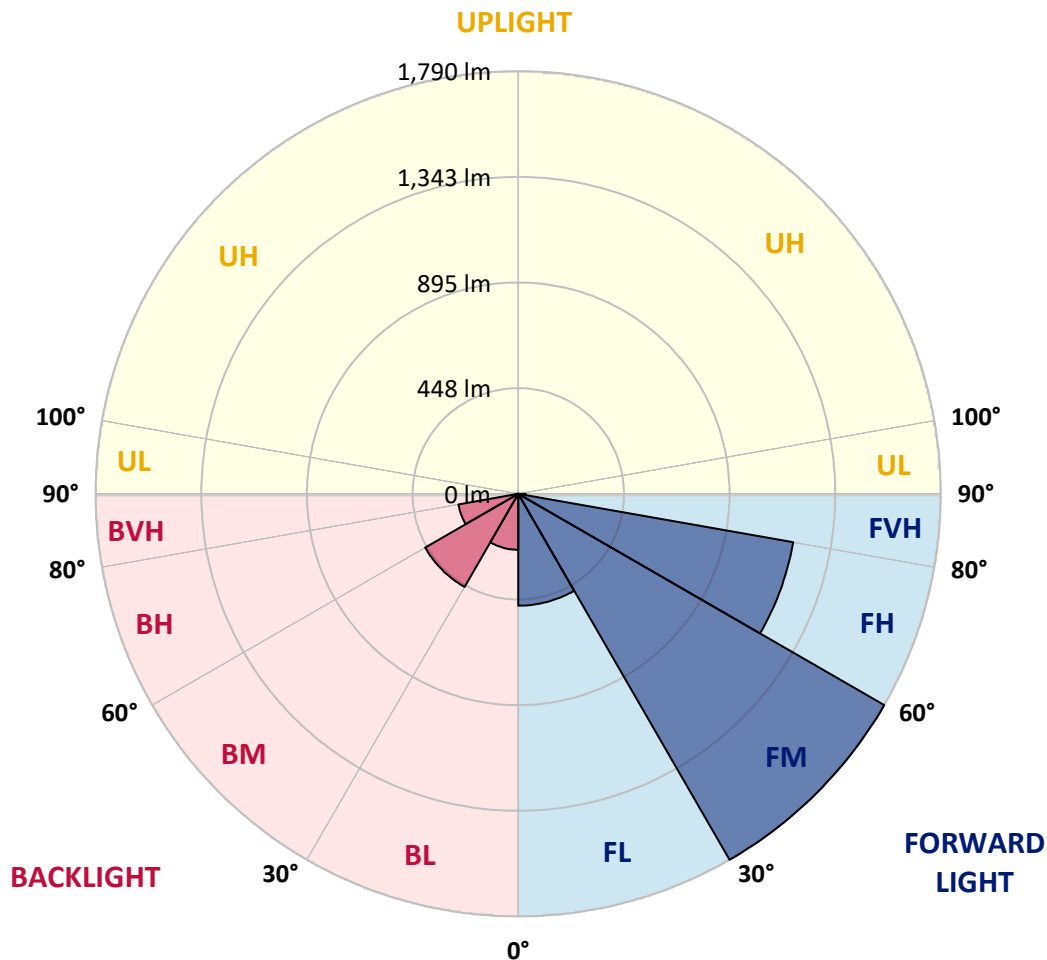
REPORT NUMBER: P507496
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.9	10.7			
FM (30°-60°)	1790.2	40.3			
FH (60°-80°)	1182.8	26.6			G1/1800
FVH (80°-90°)	31.6	0.7			G1/100
BL (0°-30°)	237.1	5.3	B1/500		
BM (30°-60°)	455.6	10.3	B1/1000		
BH (60°-80°)	257.2	5.8	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 II Short





REPORT NUMBER: P507496

CATALOG NUMBER: VERD-S-CA1-30-740-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6
2.5°	860.8	860.8	859.5	858.1	852.7	847.3	839.1	832.3	825.6	822.9	812.0
5°	910.9	910.9	909.7	904.1	897.5	887.9	874.3	856.7	844.5	843.2	824.2
7.5°	953.0	951.7	950.3	947.6	940.8	928.6	908.3	885.3	864.9	859.5	836.4
10°	993.7	995.0	992.3	985.5	977.4	962.5	942.1	915.1	890.7	882.5	847.3
12.5°	1037.0	1035.7	1031.6	1023.5	1012.6	1000.4	978.7	951.7	919.1	910.9	864.9
15°	1073.6	1075.0	1068.2	1062.8	1052.0	1038.4	1019.4	992.3	959.8	950.3	890.7
17.5°	1106.2	1106.2	1104.8	1102.2	1094.0	1084.4	1065.6	1046.6	1012.6	997.7	929.9
20°	1130.6	1132.0	1134.6	1140.1	1141.4	1133.3	1123.8	1110.2	1077.8	1062.8	978.7
22.5°	1152.3	1155.0	1165.8	1182.1	1195.7	1195.7	1194.3	1192.9	1160.4	1150.9	1050.6
25°	1157.7	1161.8	1186.2	1221.4	1243.1	1260.7	1285.1	1294.7	1270.3	1253.9	1144.2
27.5°	1165.8	1169.9	1197.0	1239.1	1293.3	1332.6	1376.0	1400.4	1382.7	1366.5	1251.3
30°	1159.0	1164.5	1194.3	1253.9	1325.8	1408.4	1462.8	1499.3	1493.9	1484.4	1362.4
32.5°	1141.4	1146.8	1182.1	1255.3	1365.1	1485.8	1546.8	1603.7	1618.7	1610.5	1479.0
35°	1106.2	1111.6	1155.0	1244.5	1384.1	1544.1	1630.9	1714.9	1748.8	1743.3	1606.4
37.5°	1061.4	1061.4	1113.0	1211.9	1390.8	1588.7	1705.4	1826.0	1892.4	1884.3	1735.2
40°	986.9	1000.4	1064.2	1176.7	1380.0	1621.3	1777.2	1941.3	2023.9	2019.9	1874.8
42.5°	912.3	923.1	984.2	1115.6	1354.3	1640.3	1836.8	2061.9	2169.0	2166.2	2009.1
45°	845.9	854.1	904.1	1031.6	1300.1	1645.7	1893.8	2190.6	2328.9	2323.5	2146.0
47.5°	760.5	776.8	840.5	953.0	1225.5	1629.5	1946.7	2351.9	2502.4	2497.0	2293.7
50°	576.1	587.0	719.8	889.3	1129.2	1588.7	1990.1	2510.6	2666.5	2655.7	2427.9
52.5°	523.3	530.1	572.1	810.7	1039.8	1515.6	2017.1	2700.3	2833.2	2815.6	2566.2
55°	489.4	494.8	519.2	649.4	961.1	1392.2	2025.3	2879.4	2967.4	2949.8	2693.7
57.5°	459.5	462.3	486.7	553.1	867.6	1236.3	1996.9	3012.2	3085.3	3066.5	2803.4
60°	428.4	432.4	455.5	504.3	755.0	1092.6	1908.7	3117.9	3183.0	3166.7	2899.6
62.5°	402.6	408.0	423.0	465.0	673.8	970.6	1716.2	3142.3	3253.4	3241.2	2989.1
65°	371.4	375.6	394.5	429.7	589.7	894.7	1521.0	3070.5	3230.4	3245.4	3039.3
67.5°	334.8	338.9	355.2	382.2	494.8	814.7	1350.2	2968.8	3159.9	3180.3	3002.7
70°	290.1	292.8	309.1	334.8	410.8	710.4	1171.3	2819.7	2989.1	3004.1	2857.6
72.5°	241.3	241.3	253.5	283.3	337.6	588.3	939.5	2505.2	2780.4	2817.0	2612.3
75°	101.7	107.1	128.8	155.9	215.5	429.7	642.6	1929.1	2507.8	2539.0	2307.3
77.5°	20.4	21.7	24.4	36.6	57.0	187.1	199.3	841.9	1740.6	1761.0	1685.1
80°	16.2	16.2	17.6	27.2	38.0	86.8	65.1	275.2	542.3	698.2	900.1
82.5°	5.4	6.8	9.4	15.0	19.0	19.0	21.7	138.3	268.4	288.8	363.4
85°	2.8	2.8	4.0	5.4	5.4	5.4	5.4	24.4	46.1	55.6	77.3
87.5°	1.4	0.0	0.0	0.0	0.0	0.0	1.4	2.8	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



REPORT NUMBER: P507496
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6
2.5°	806.6	802.5	793.0	786.2	776.8	768.6	759.2	753.8	751.0	749.6	747.0
5°	813.4	802.5	783.6	763.2	745.6	732.0	713.0	703.6	698.2	695.4	694.0
7.5°	821.5	808.0	775.4	744.2	713.0	690.0	667.0	652.0	645.3	643.9	642.6
10°	826.9	805.2	761.8	728.0	687.3	650.7	623.6	605.9	596.5	595.1	593.7
12.5°	837.8	809.3	751.0	702.2	660.2	612.7	584.3	563.9	554.5	546.3	546.3
15°	855.4	818.8	745.6	680.5	624.9	578.9	542.3	520.5	513.7	502.9	500.2
17.5°	885.3	836.4	741.6	658.8	592.4	546.3	502.9	479.9	475.8	466.3	460.9
20°	921.9	862.1	744.2	638.5	558.5	505.7	462.3	439.2	425.6	417.6	414.8
22.5°	980.1	900.1	753.8	623.6	528.7	469.1	423.0	386.4	356.6	345.6	345.6
25°	1062.8	965.2	770.0	611.4	498.9	433.8	376.8	314.5	275.2	260.3	256.2
27.5°	1156.4	1047.9	808.0	600.5	474.5	394.5	310.4	241.3	199.3	185.7	185.7
30°	1263.5	1134.6	854.1	593.7	444.6	334.8	234.5	176.3	142.3	127.4	126.1
32.5°	1369.2	1224.1	908.3	588.3	413.4	261.6	169.5	128.8	100.3	89.5	90.8
35°	1475.0	1312.3	954.3	588.3	362.0	188.5	120.7	89.5	71.8	66.4	66.4
37.5°	1594.2	1411.2	991.0	580.2	284.7	134.2	82.7	65.1	59.6	57.0	57.0
40°	1717.6	1503.4	1015.4	562.5	203.3	92.2	58.3	57.0	54.2	50.2	48.8
42.5°	1832.8	1609.1	1030.2	528.7	132.9	61.0	51.5	52.8	51.5	44.8	43.4
45°	1954.8	1694.5	1038.4	460.9	88.1	50.2	46.1	48.8	50.2	44.8	43.4
47.5°	2076.8	1788.0	1043.8	359.2	58.3	48.8	43.4	47.4	48.8	43.4	42.0
50°	2205.6	1873.4	1035.7	230.5	51.5	46.1	42.0	43.4	46.1	43.4	42.0
52.5°	2318.1	1950.7	997.7	128.8	50.2	44.8	39.4	40.6	44.8	42.0	42.0
55°	2433.3	2026.7	927.3	75.9	48.8	42.0	39.4	40.6	42.0	39.4	40.6
57.5°	2537.8	2099.8	821.5	62.4	48.8	40.6	40.6	38.0	38.0	35.2	35.2
60°	2617.7	2166.2	695.4	58.3	46.1	42.0	38.0	35.2	32.6	29.8	29.8
62.5°	2681.4	2223.2	516.5	54.2	44.8	40.6	35.2	31.2	27.2	24.4	24.4
65°	2716.7	2235.4	364.6	48.8	42.0	39.4	32.6	27.2	21.7	20.4	20.4
67.5°	2676.0	2171.8	222.3	46.1	39.4	38.0	31.2	24.4	19.0	17.6	17.6
70°	2520.0	2000.9	124.7	42.0	35.2	33.9	28.4	21.7	17.6	15.0	15.0
72.5°	2262.5	1750.1	62.4	35.2	29.8	29.8	25.8	19.0	16.2	13.6	13.6
75°	1911.4	1435.6	44.8	25.8	24.4	24.4	21.7	17.6	15.0	12.2	12.2
77.5°	1400.4	946.3	36.6	21.7	17.6	17.6	19.0	16.2	13.6	10.8	10.8
80°	725.2	469.1	31.2	16.2	15.0	13.6	13.6	13.6	10.8	9.4	9.4
82.5°	321.2	180.3	20.4	12.2	12.2	10.8	10.8	10.8	9.4	8.2	8.2
85°	62.4	33.9	10.8	9.4	8.2	8.2	8.2	6.8	6.8	6.8	6.8
87.5°	5.4	5.4	5.4	5.4	5.4	4.0	4.0	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

(END OF REPORT)