

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: P507498

Luminaire Tested: **VERD-S-CA1-30-740-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-5)
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-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 590mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4466.6 lumens
Efficiency: N/A
Efficacy: 131.4 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_{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

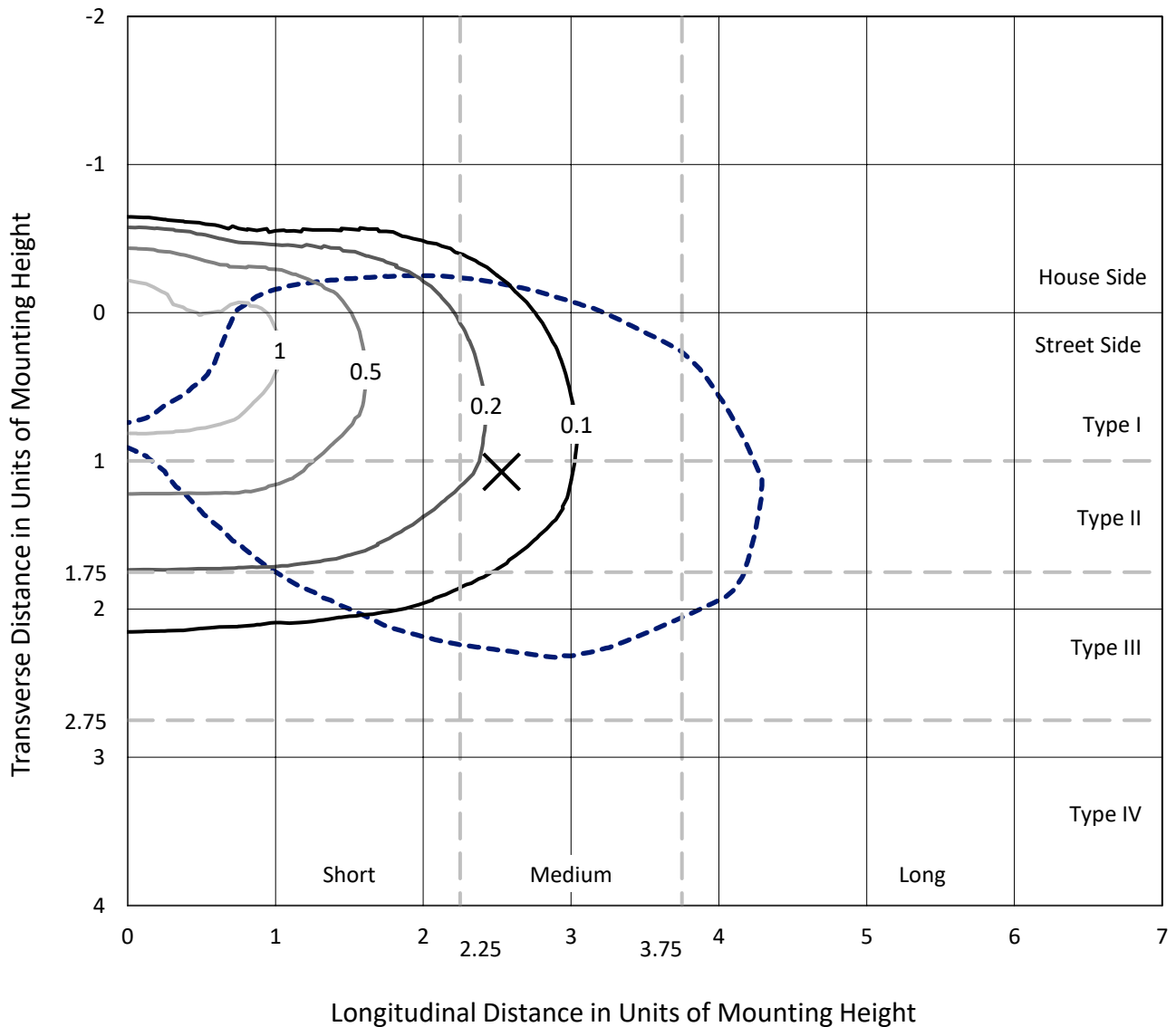




REPORT NUMBER: P507498
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

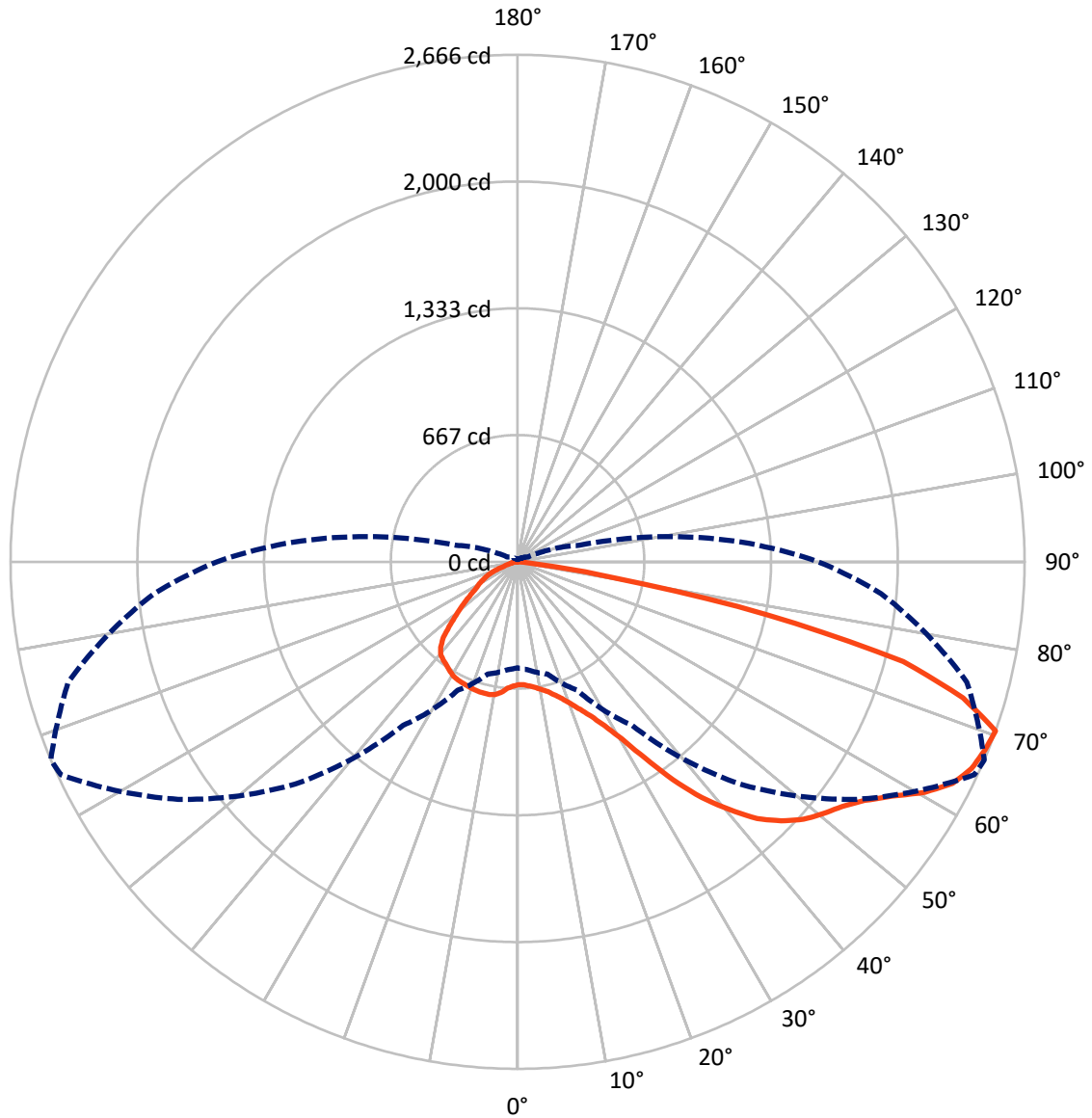
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P507498
CATALOG NUMBER: VERD-S-CA1-30-740-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P507498
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T3-HSS

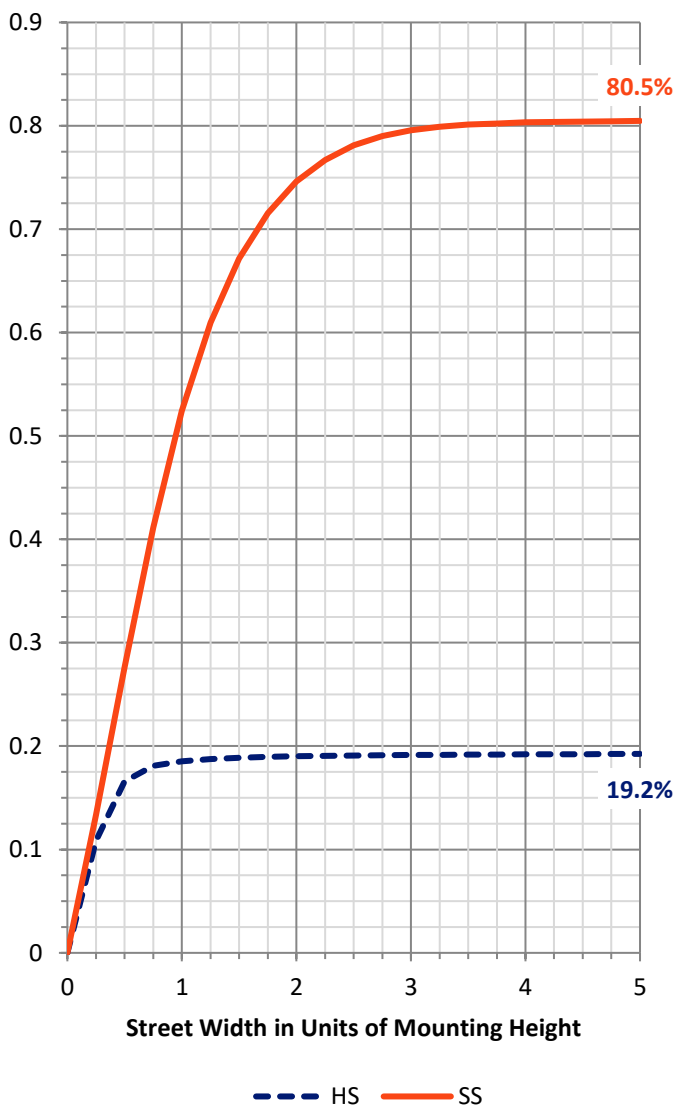
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	870.5	0.0	870.5
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3596.2	0.0	3596.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	4466.6	0.0	4466.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.5
10°-20°	206.2	4.6
20°-30°	358.3	8.0
30°-40°	561.1	12.6
40°-50°	789.5	17.7
50°-60°	941.6	21.1
60°-70°	975.7	21.8
70°-80°	538.4	12.1
80°-90°	30.7	0.7
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°	4466.6	100.0
0°-180°	4466.6	100.0

Coefficient of Utilization

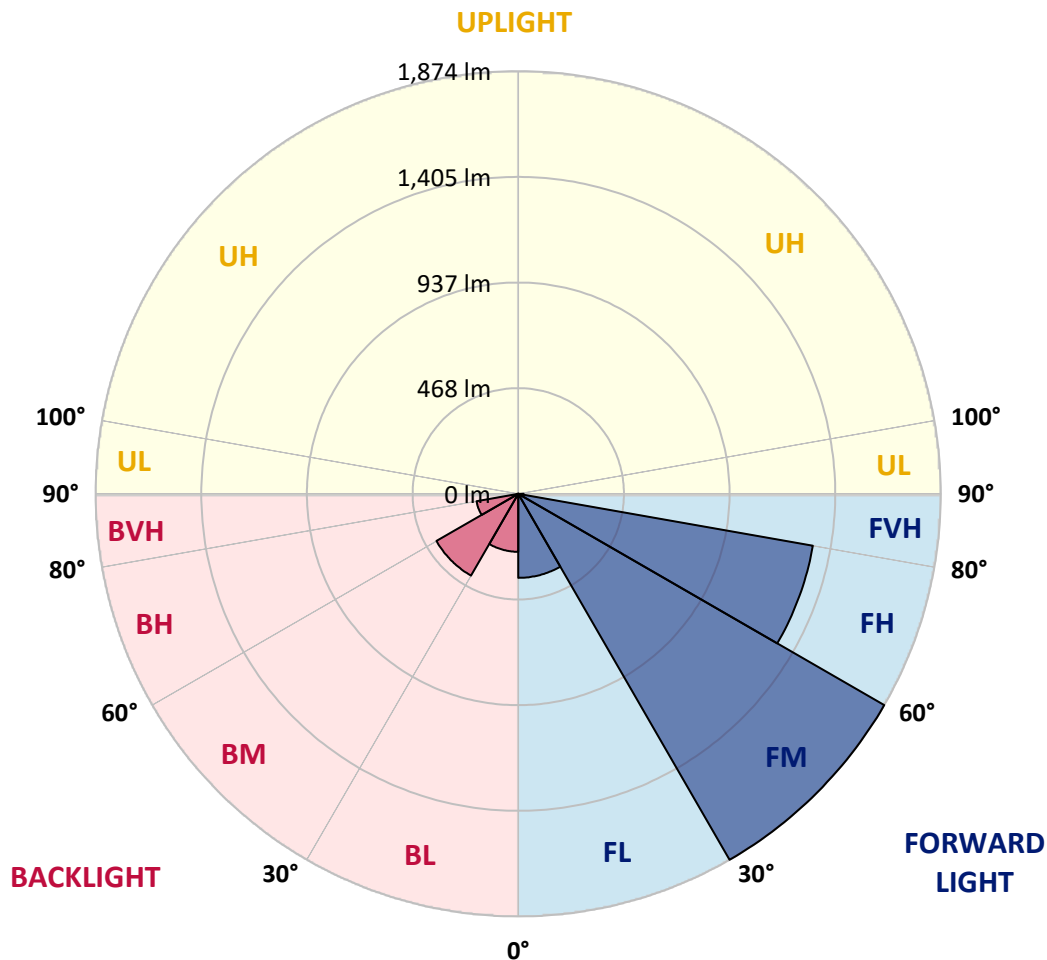


REPORT NUMBER: P507498
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.6	8.3			
FM (30°-60°)	1873.5	41.9			
FH (60°-80°)	1326.2	29.7			G1/1800
FVH (80°-90°)	23.8	0.5			G1/100
BL (0°-30°)	257.0	5.8	B1/500		
BM (30°-60°)	418.7	9.4	B1/1000		
BH (60°-80°)	187.9	4.2	B1/500		G1/500
BVH (80°-90°)	6.8	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 III Medium





REPORT NUMBER: P507498

CATALOG NUMBER: VERD-S-CA1-30-740-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9
2.5°	650.9	650.9	650.9	649.5	649.5	649.5	648.2	646.9	646.9	646.9	648.2
5°	668.5	668.5	667.2	665.9	664.5	660.4	657.7	656.3	656.3	655.0	657.7
7.5°	690.2	690.2	690.2	687.5	683.5	678.0	672.6	668.5	667.2	665.9	667.2
10°	722.8	722.8	720.0	716.0	709.2	701.1	691.6	683.5	682.1	679.4	682.1
12.5°	764.8	760.8	758.0	751.2	743.2	729.6	714.6	702.4	699.7	697.0	706.5
15°	808.2	806.9	800.1	796.0	782.4	764.8	744.4	728.2	725.5	720.0	728.2
17.5°	859.7	861.1	858.3	851.6	832.6	806.9	782.4	759.4	756.6	752.6	756.6
20°	930.3	927.5	922.1	912.7	890.9	857.1	825.9	800.1	796.0	793.3	789.2
22.5°	1000.8	1002.2	991.2	981.8	954.7	922.1	880.1	848.9	843.5	842.1	823.1
25°	1068.6	1071.3	1067.2	1055.0	1032.0	990.0	943.8	905.9	899.1	897.7	865.1
27.5°	1139.1	1140.5	1144.5	1139.1	1114.7	1071.3	1019.8	976.4	976.4	965.5	916.7
30°	1206.9	1209.6	1212.3	1212.3	1200.1	1162.1	1117.3	1079.4	1079.4	1071.3	987.2
32.5°	1259.8	1261.2	1277.4	1291.0	1291.0	1263.8	1234.0	1230.0	1228.6	1243.6	1148.6
35°	1307.2	1311.3	1334.4	1370.9	1385.9	1375.1	1376.5	1391.3	1406.3	1442.9	1370.9
37.5°	1342.5	1347.9	1369.7	1411.7	1453.7	1482.2	1509.4	1550.0	1573.0	1628.7	1529.6
40°	1352.0	1358.7	1404.9	1464.6	1532.4	1597.5	1646.3	1696.4	1711.4	1750.6	1625.9
42.5°	1322.2	1328.9	1387.3	1508.0	1602.9	1704.6	1757.4	1821.2	1846.9	1832.1	1705.9
45°	1301.8	1305.9	1366.9	1503.8	1663.9	1809.0	1860.5	1927.0	1943.2	1908.0	1772.4
47.5°	1276.0	1280.2	1343.9	1498.4	1714.0	1898.5	1933.7	2007.0	2023.2	1969.0	1829.3
50°	1238.0	1240.8	1314.0	1487.6	1746.6	1962.2	2001.6	2074.8	2081.6	2026.0	1883.5
52.5°	1192.0	1200.1	1270.6	1461.8	1769.6	2001.6	2049.0	2127.7	2137.1	2099.2	1943.2
55°	1129.7	1139.1	1220.4	1423.9	1761.6	2015.2	2070.7	2198.2	2214.4	2183.3	1993.4
57.5°	1065.9	1079.4	1159.5	1370.9	1729.0	2035.4	2142.5	2302.6	2324.3	2266.0	2034.1
60°	1000.8	1006.2	1088.9	1299.1	1674.7	2055.8	2224.0	2439.6	2459.9	2347.3	2066.6
62.5°	926.2	933.0	1006.2	1200.1	1581.2	2036.8	2285.0	2554.8	2567.0	2415.1	2080.2
65°	839.4	839.4	901.8	1079.4	1455.0	1969.0	2293.1	2614.5	2622.7	2458.6	2063.9
67.5°	718.7	724.2	774.4	930.3	1285.6	1836.1	2247.0	2628.1	2648.5	2485.6	2019.2
70°	557.4	569.5	611.5	745.8	1049.6	1651.7	2177.9	2649.7	2666.1	2446.3	1918.9
72.5°	381.1	393.3	431.2	511.2	756.6	1324.9	1970.4	2445.0	2449.1	2255.2	1723.6
75°	100.3	111.1	141.1	204.8	317.3	890.9	1575.7	2070.7	2095.1	1950.0	1422.5
77.5°	29.8	29.8	36.6	47.5	65.1	181.7	801.4	1319.5	1343.9	1285.6	886.9
80°	23.0	23.0	27.2	32.6	42.0	93.5	278.0	486.8	516.6	551.9	366.1
82.5°	15.0	16.2	17.6	19.0	19.0	38.0	74.6	124.7	123.5	134.3	117.9
85°	9.5	9.5	8.2	8.2	6.8	9.5	6.8	8.2	9.5	9.5	10.8
87.5°	1.4	0.0	0.0	0.0	0.0	1.4	1.4	2.8	2.8	2.8	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



REPORT NUMBER: P507498

CATALOG NUMBER: VERD-S-CA1-30-740-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9	646.9
2.5°	649.5	650.9	652.3	653.7	656.3	656.3	657.7	657.7	657.7	657.7	657.7
5°	657.7	659.1	663.1	667.2	676.7	682.1	687.5	691.6	691.6	694.3	694.3
7.5°	669.9	674.0	686.2	691.6	699.7	707.8	712.0	713.3	716.0	716.0	716.0
10°	690.2	694.3	703.8	707.8	712.0	712.0	710.6	709.2	705.2	703.8	705.2
12.5°	709.2	714.6	714.6	713.3	709.2	703.8	697.0	690.2	683.5	678.0	678.0
15°	732.2	729.6	721.4	710.6	699.7	686.2	672.6	660.4	649.5	645.5	645.5
17.5°	752.6	745.8	728.2	707.8	684.8	663.1	641.5	621.1	602.1	595.3	591.3
20°	777.0	764.8	733.6	702.4	669.9	636.1	599.3	562.8	530.2	516.6	515.4
22.5°	805.5	785.2	741.8	694.3	650.9	599.3	538.4	486.8	454.3	438.0	435.3
25°	839.4	809.6	750.0	687.5	627.9	551.9	470.6	412.3	371.5	353.9	347.1
27.5°	881.5	842.1	760.8	679.4	592.6	493.6	401.4	333.6	288.8	267.2	264.4
30°	935.7	881.5	771.6	667.2	549.2	425.8	326.8	250.8	206.1	184.4	179.0
32.5°	1060.4	961.4	785.2	646.9	495.0	360.7	246.8	168.1	123.5	103.1	101.7
35°	1272.0	1141.9	816.4	619.7	440.7	283.4	158.7	89.5	66.5	58.3	58.3
37.5°	1430.7	1292.4	900.5	584.5	370.3	189.8	81.3	52.9	42.0	40.7	40.7
40°	1525.6	1381.9	992.6	545.2	286.2	101.7	50.2	40.7	38.0	36.6	36.6
42.5°	1604.3	1456.4	1036.0	496.4	181.7	57.0	42.0	38.0	35.2	33.9	33.9
45°	1669.3	1513.4	1041.4	433.9	101.7	47.5	39.4	33.9	32.6	31.2	31.2
47.5°	1720.8	1562.2	1027.9	345.8	63.7	44.8	36.6	31.2	28.5	28.5	28.5
50°	1769.6	1604.3	990.0	272.6	59.7	42.0	33.9	28.5	27.2	27.2	27.2
52.5°	1814.4	1634.1	926.2	219.6	55.6	39.4	32.6	27.2	24.4	25.8	25.8
55°	1851.1	1646.3	861.1	169.5	52.9	38.0	31.2	25.8	23.0	23.0	23.0
57.5°	1871.3	1620.5	806.9	128.9	51.5	36.6	29.8	24.4	20.4	19.0	19.0
60°	1872.7	1586.6	756.6	108.5	48.8	33.9	28.5	21.7	17.6	16.2	16.2
62.5°	1848.3	1545.9	680.7	93.5	46.1	32.6	25.8	20.4	16.2	15.0	15.0
65°	1800.8	1474.0	596.7	80.0	44.8	32.6	23.0	19.0	16.2	13.6	13.6
67.5°	1724.9	1354.7	484.2	70.5	42.0	29.8	23.0	17.6	15.0	13.6	13.6
70°	1581.2	1183.9	334.9	61.0	39.4	27.2	21.7	17.6	15.0	12.2	12.2
72.5°	1362.9	961.4	165.5	50.2	33.9	27.2	21.7	16.2	13.6	12.2	12.2
75°	1053.7	688.9	100.3	40.7	27.2	24.4	20.4	16.2	13.6	10.8	10.8
77.5°	619.7	306.5	71.9	31.2	20.4	19.0	17.6	15.0	12.2	10.8	10.8
80°	226.4	130.1	52.9	24.4	16.2	16.2	13.6	12.2	10.8	9.5	9.5
82.5°	88.1	69.2	35.2	17.6	13.6	12.2	10.8	9.5	8.2	8.2	8.2
85°	12.2	12.2	12.2	9.5	8.2	8.2	6.8	6.8	5.4	5.4	5.4
87.5°	4.0	4.0	4.0	5.4	4.0	4.0	2.8	2.8	2.8	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)