

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: P233524

Luminaire Tested: **VERD-C026-D-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-14)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C026-D-U-T3-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 790mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7851 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 62
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: 28.75 FT

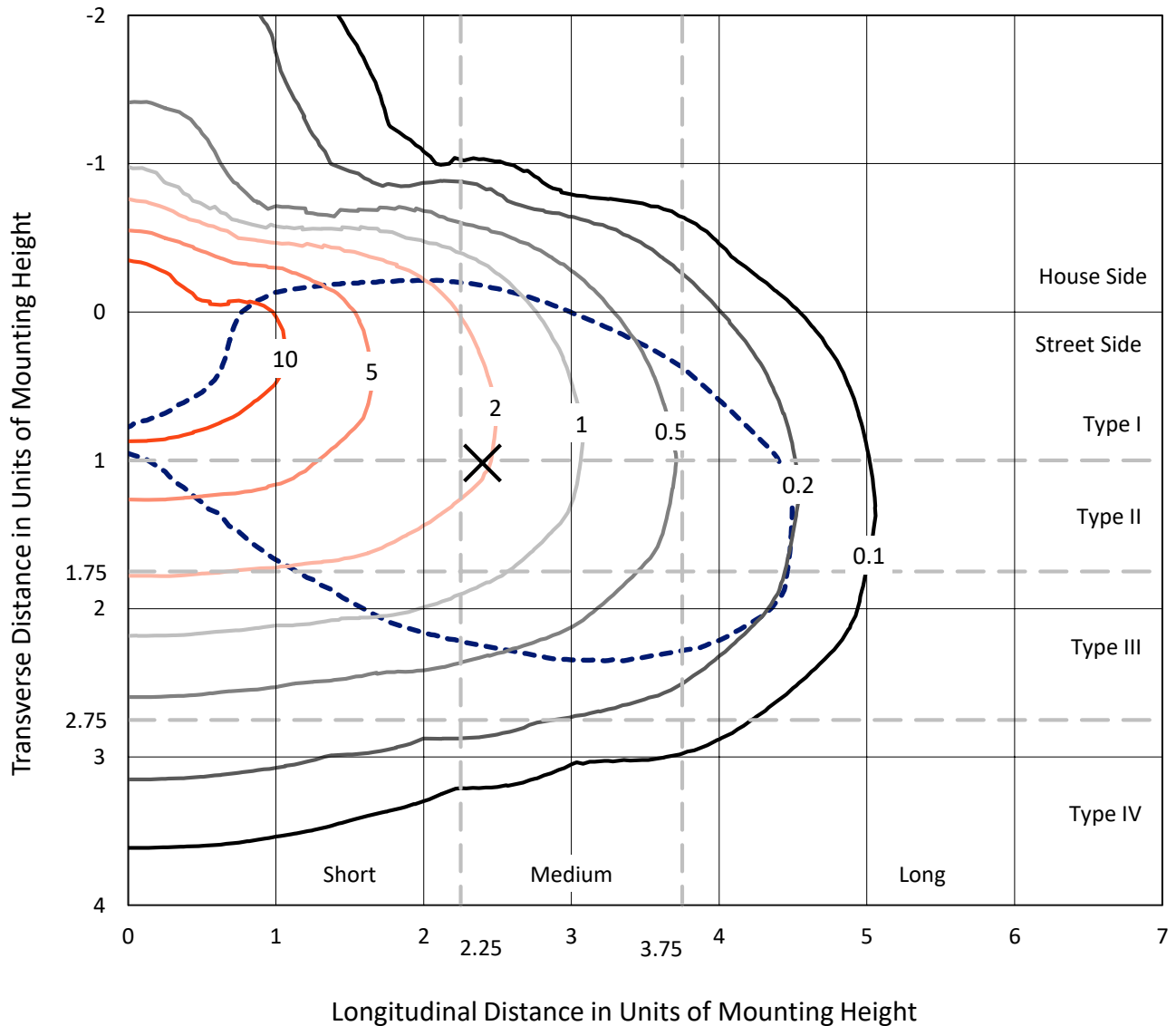


REPORT NUMBER: P233524

CATALOG NUMBER: VERD-C026-D-U-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

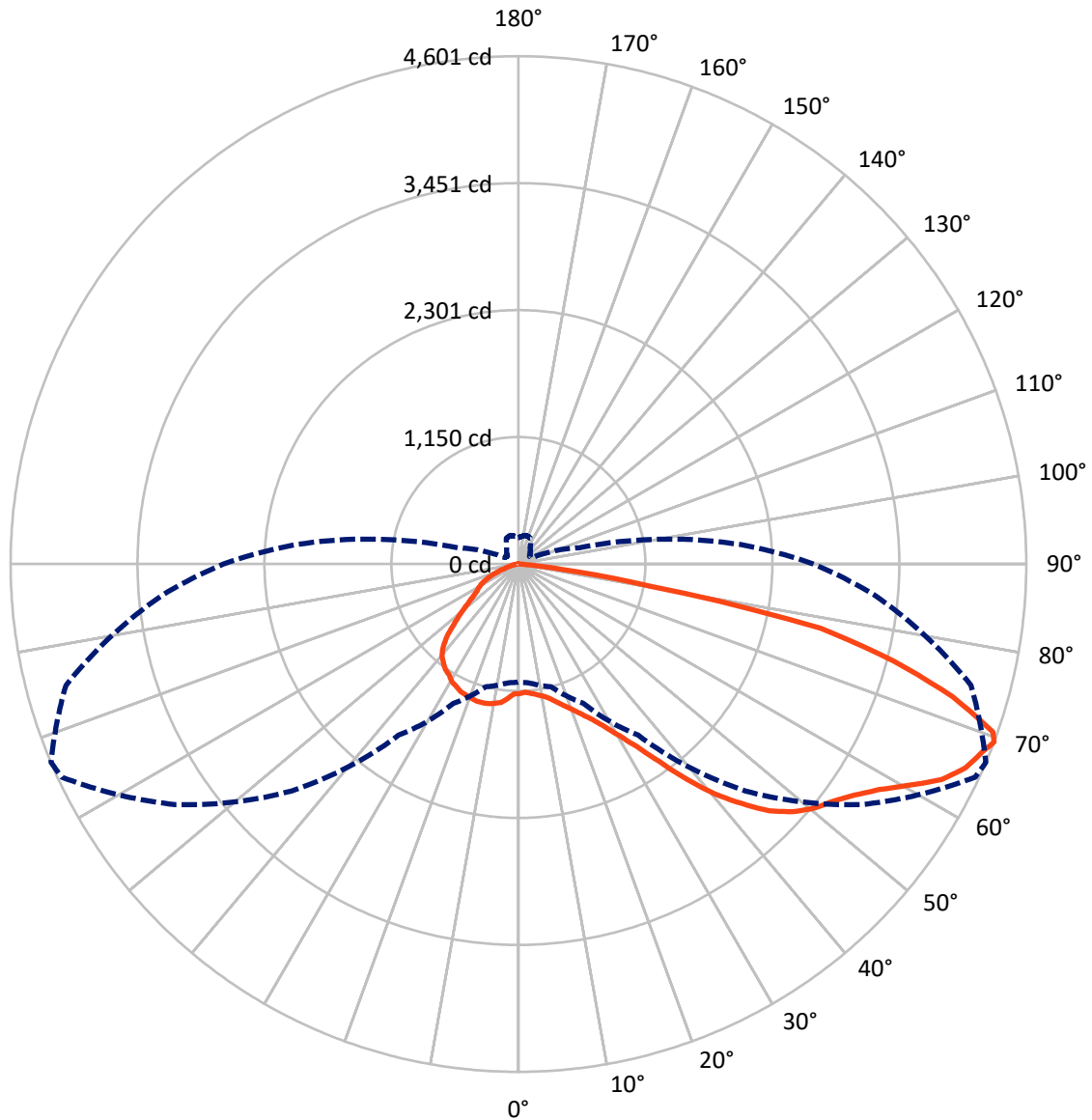


Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P233524

CATALOG NUMBER: VERD-C026-D-U-T3-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P233524

CATALOG NUMBER: VERD-C026-D-U-T3-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1768.0	0.0	1768.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	6083.0	0.0	6083.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	7851.0	0.0	7851.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.5
10°-20°	379.1	4.8
20°-30°	653.0	8.3
30°-40°	971.3	12.4
40°-50°	1337.7	17.0
50°-60°	1599.1	20.4
60°-70°	1687.5	21.5
70°-80°	1011.3	12.9
80°-90°	93.0	1.2
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°	7851.0	100.0
0°-180°	7851.0	100.0



REPORT NUMBER: P233524

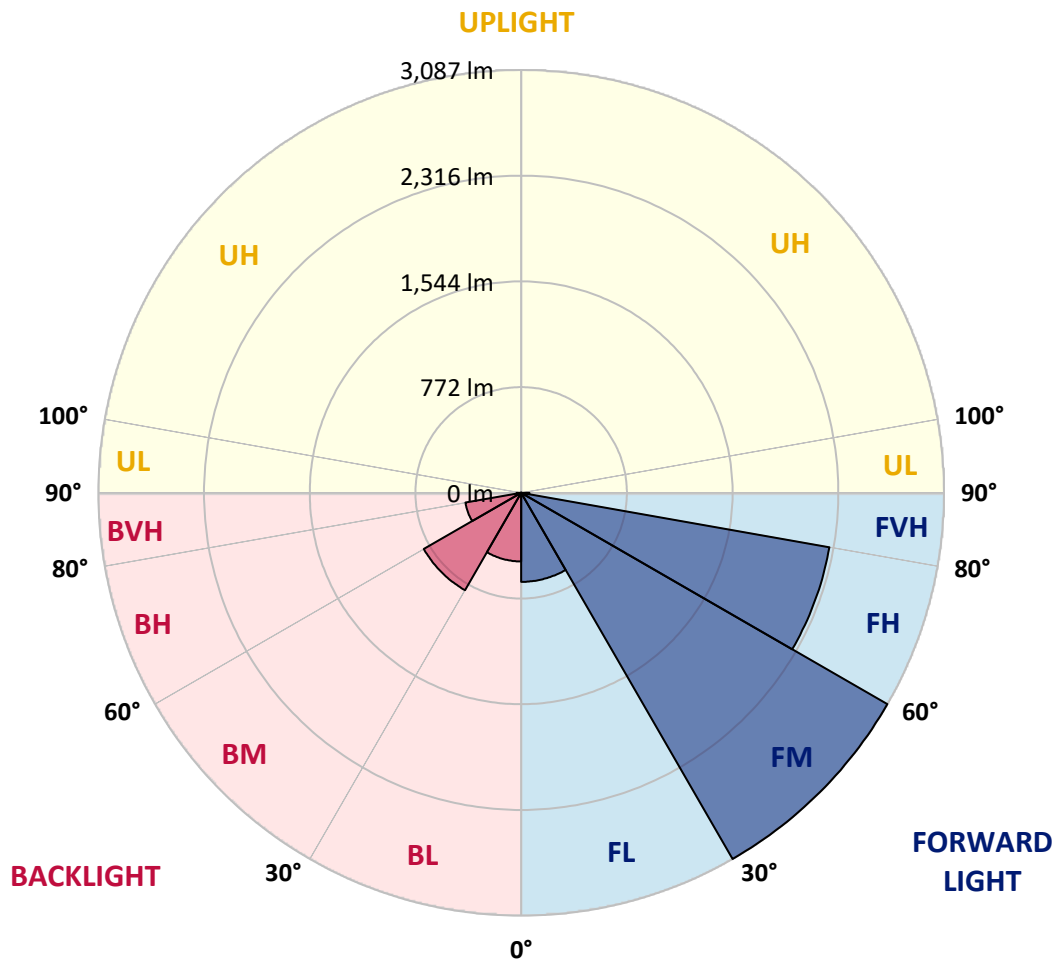
CATALOG NUMBER: VERD-C026-D-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	650.1	8.3			
FM (30°-60°)	3087.4	39.3			
FH (60°-80°)	2285.4	29.1			G2/5000
FVH (80°-90°)	60.2	0.8			G1/100
BL (0°-30°)	501.0	6.4	B2/1000		
BM (30°-60°)	820.8	10.5	B1/1000		
BH (60°-80°)	413.4	5.3	B1/500		G1/500
BVH (80°-90°)	32.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





REPORT NUMBER: P233524

CATALOG NUMBER: VERD-C026-D-U-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3
2.5°	1193.6	1192.9	1189.3	1176.5	1175.1	1173.6	1165.1	1165.8	1163.6	1165.8	1166.5
5°	1226.5	1223.6	1220.0	1206.5	1201.5	1195.1	1182.2	1181.5	1176.5	1177.9	1179.3
7.5°	1267.2	1264.3	1261.4	1245.7	1240.7	1229.3	1209.3	1199.3	1195.1	1196.5	1198.6
10°	1322.1	1317.1	1312.8	1290.0	1282.1	1262.9	1238.6	1221.5	1215.8	1217.9	1223.6
12.5°	1384.9	1378.5	1371.4	1347.8	1337.1	1307.1	1278.6	1256.4	1247.9	1252.9	1257.2
15°	1449.9	1446.3	1443.5	1415.6	1400.7	1367.8	1332.1	1304.3	1296.4	1300.7	1302.8
17.5°	1535.6	1533.4	1528.4	1499.9	1471.3	1433.5	1387.1	1357.8	1350.0	1352.1	1347.1
20°	1629.1	1623.4	1620.5	1588.4	1558.4	1506.3	1452.8	1411.4	1409.2	1409.9	1394.2
22.5°	1734.0	1727.6	1721.9	1692.6	1655.5	1594.8	1524.9	1478.5	1479.9	1481.3	1446.3
25°	1841.1	1836.1	1831.1	1803.3	1766.2	1699.8	1615.5	1563.4	1562.7	1563.4	1514.9
27.5°	1953.2	1947.5	1946.8	1923.9	1886.8	1819.0	1721.9	1669.1	1669.1	1666.2	1592.7
30°	2053.1	2058.9	2058.9	2046.0	2011.0	1943.2	1851.8	1799.0	1806.1	1800.4	1706.9
32.5°	2162.4	2160.9	2170.9	2160.9	2132.4	2069.6	1993.2	1959.6	1971.8	1990.3	1896.8
35°	2225.9	2235.9	2260.9	2275.2	2261.6	2210.2	2154.5	2180.2	2196.6	2280.2	2168.1
37.5°	2299.4	2308.0	2342.3	2377.3	2383.0	2355.1	2355.1	2439.4	2471.5	2580.7	2450.1
40°	2350.1	2358.7	2395.8	2436.5	2492.2	2511.5	2561.4	2692.1	2737.8	2811.3	2660.0
42.5°	2320.1	2324.4	2404.4	2503.6	2585.7	2678.5	2757.8	2923.4	2966.9	3018.3	2832.7
45°	2267.3	2275.2	2363.7	2523.6	2664.9	2849.1	2949.1	3141.1	3191.1	3186.1	2965.5
47.5°	2208.8	2220.9	2319.4	2497.9	2732.8	2996.9	3124.0	3323.9	3352.4	3316.7	3057.6
50°	2143.8	2164.5	2269.5	2472.2	2782.0	3126.1	3253.9	3460.9	3475.9	3403.1	3138.3
52.5°	2069.6	2083.1	2199.5	2422.9	2816.3	3211.8	3357.4	3563.0	3569.4	3510.2	3223.2
55°	1966.8	1978.9	2108.1	2357.3	2821.3	3262.5	3423.8	3672.2	3693.7	3635.8	3300.3
57.5°	1856.1	1871.1	2003.9	2262.3	2775.6	3283.2	3503.8	3812.9	3854.3	3771.5	3362.4
60°	1727.6	1746.9	1881.1	2146.7	2685.7	3315.3	3653.0	4017.8	4069.2	3925.0	3421.7
62.5°	1594.1	1604.8	1728.3	1986.8	2545.7	3331.7	3788.6	4251.9	4301.2	4069.9	3449.5
65°	1406.4	1423.5	1533.4	1794.7	2348.7	3261.0	3852.1	4415.4	4451.1	4187.7	3422.4
67.5°	1207.2	1207.2	1300.7	1564.8	2086.0	3074.0	3826.4	4493.9	4536.8	4270.5	3336.7
69°	1069.4	1080.1	1151.5	1392.1	1893.2	2907.7	3798.6	4566.0	4601.0	4244.1	3238.2
70°	963.8	973.0	1045.1	1266.4	1749.7	2776.3	3738.6	4533.9	4559.6	4162.7	3134.7
72.5°	708.9	716.7	766.7	882.4	1315.7	2240.2	3371.0	4099.2	4114.9	3743.6	2765.6
75°	483.3	487.6	525.4	596.1	767.4	1566.3	2754.2	3462.4	3508.8	3246.8	2264.5
77.5°	167.1	179.9	202.7	274.1	328.4	615.4	1866.8	2728.5	2797.7	2514.3	1584.1
80°	57.1	56.4	108.5	140.6	172.8	282.7	590.4	1143.7	1208.6	1036.6	570.4
82.5°	42.8	44.3	72.1	77.8	52.8	104.2	229.9	349.8	383.4	334.8	236.3
85°	27.1	26.4	32.1	33.6	24.3	44.3	55.7	56.4	58.5	50.7	51.4
87.5°	15.0	15.0	14.3	12.1	6.4	5.7	5.0	5.0	4.3	4.3	4.3
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: P233524

CATALOG NUMBER: VERD-C026-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3
2.5°	1162.9	1172.9	1175.1	1177.9	1185.1	1194.3	1207.2	1207.2	1212.2	1227.2	1232.2
5°	1179.3	1191.5	1207.2	1223.6	1242.9	1263.6	1284.3	1291.4	1301.4	1321.4	1325.7
7.5°	1204.3	1217.9	1245.0	1267.2	1283.6	1304.3	1321.4	1324.3	1337.1	1355.7	1359.2
10°	1230.0	1242.2	1269.3	1280.7	1302.8	1325.7	1334.3	1338.5	1349.3	1363.5	1361.4
12.5°	1265.0	1268.6	1287.9	1295.7	1306.4	1320.7	1325.0	1325.0	1331.4	1354.2	1355.0
15°	1299.3	1299.3	1302.1	1297.9	1299.3	1306.4	1307.1	1297.9	1305.0	1316.4	1312.1
17.5°	1335.7	1325.7	1312.8	1294.3	1277.9	1277.1	1262.2	1240.0	1233.6	1250.0	1249.3
20°	1370.0	1352.8	1322.1	1280.0	1257.2	1226.5	1188.6	1175.8	1175.1	1177.9	1175.8
22.5°	1414.9	1379.9	1324.3	1266.4	1203.6	1155.1	1123.7	1080.1	1078.7	1072.3	1062.3
25°	1468.5	1418.5	1333.5	1251.4	1160.1	1097.2	1021.6	975.2	948.8	954.5	937.3
27.5°	1537.7	1477.0	1337.1	1218.6	1100.1	993.7	902.4	842.4	819.5	809.6	798.1
30°	1632.7	1539.1	1362.8	1190.8	1025.9	885.2	773.1	686.0	653.2	661.8	663.2
32.5°	1784.7	1656.9	1376.4	1135.8	940.2	766.7	621.1	526.9	507.6	531.8	538.3
35°	2049.6	1839.7	1408.5	1103.0	842.4	628.2	461.9	423.3	427.6	448.3	449.8
37.5°	2310.1	2071.0	1507.7	1031.6	725.3	465.5	358.4	337.7	358.4	384.8	388.4
40°	2492.9	2251.6	1595.5	960.9	561.1	337.0	273.4	248.4	278.4	320.5	328.4
42.5°	2655.0	2395.1	1657.7	863.1	384.1	240.6	196.3	202.7	247.0	277.7	284.8
45°	2771.3	2493.6	1700.5	736.0	244.9	182.0	175.6	196.3	238.4	262.7	264.9
47.5°	2844.8	2551.4	1669.1	579.7	184.2	172.0	172.8	199.2	241.3	268.4	267.7
50°	2911.2	2582.1	1567.0	459.7	174.9	164.9	176.3	207.0	250.6	275.6	274.1
52.5°	2981.9	2612.1	1442.8	360.5	167.8	161.3	180.6	212.0	250.6	266.3	264.1
55°	3042.6	2638.5	1349.3	289.8	162.8	160.6	184.9	219.9	249.1	255.6	251.3
57.5°	3074.0	2593.6	1247.9	243.4	157.8	160.6	187.8	218.5	257.7	278.4	274.1
60°	3056.9	2551.4	1165.8	226.3	150.6	159.9	189.2	234.2	316.3	335.5	334.1
62.5°	3025.5	2505.0	1050.8	203.5	142.8	161.3	188.5	248.4	364.1	357.7	339.8
65°	2961.2	2412.2	893.8	177.0	134.9	164.2	188.5	279.8	317.7	310.5	302.7
67.5°	2824.1	2211.6	715.3	152.1	126.4	155.6	185.6	266.3	273.4	254.9	245.6
69°	2670.7	2020.3	566.1	138.5	121.4	151.3	184.9	257.0	269.1	249.1	238.4
70°	2550.7	1871.1	457.6	128.5	116.4	149.9	184.2	250.6	267.0	244.9	233.4
72.5°	2124.5	1512.0	239.9	103.5	99.2	136.4	177.8	244.9	267.7	234.9	218.5
75°	1669.1	1075.8	159.2	79.2	76.4	119.2	162.8	235.6	252.0	211.3	186.3
77.5°	1029.4	471.2	109.9	55.0	55.7	92.8	139.9	210.6	254.1	213.5	181.3
80°	299.1	182.0	70.0	37.1	34.3	55.0	109.9	181.3	241.3	219.2	197.7
82.5°	172.8	118.5	47.1	23.6	20.7	25.0	69.2	140.6	212.7	200.6	204.9
85°	39.3	32.8	17.1	11.4	11.4	14.3	23.6	81.4	147.1	172.0	194.2
87.5°	4.3	4.3	4.3	4.3	4.3	3.6	4.3	22.1	64.3	91.4	106.4
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)