

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: P233537

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233537
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
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 790mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8068 lumens
Efficiency: N/A
Efficacy: 130.1 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

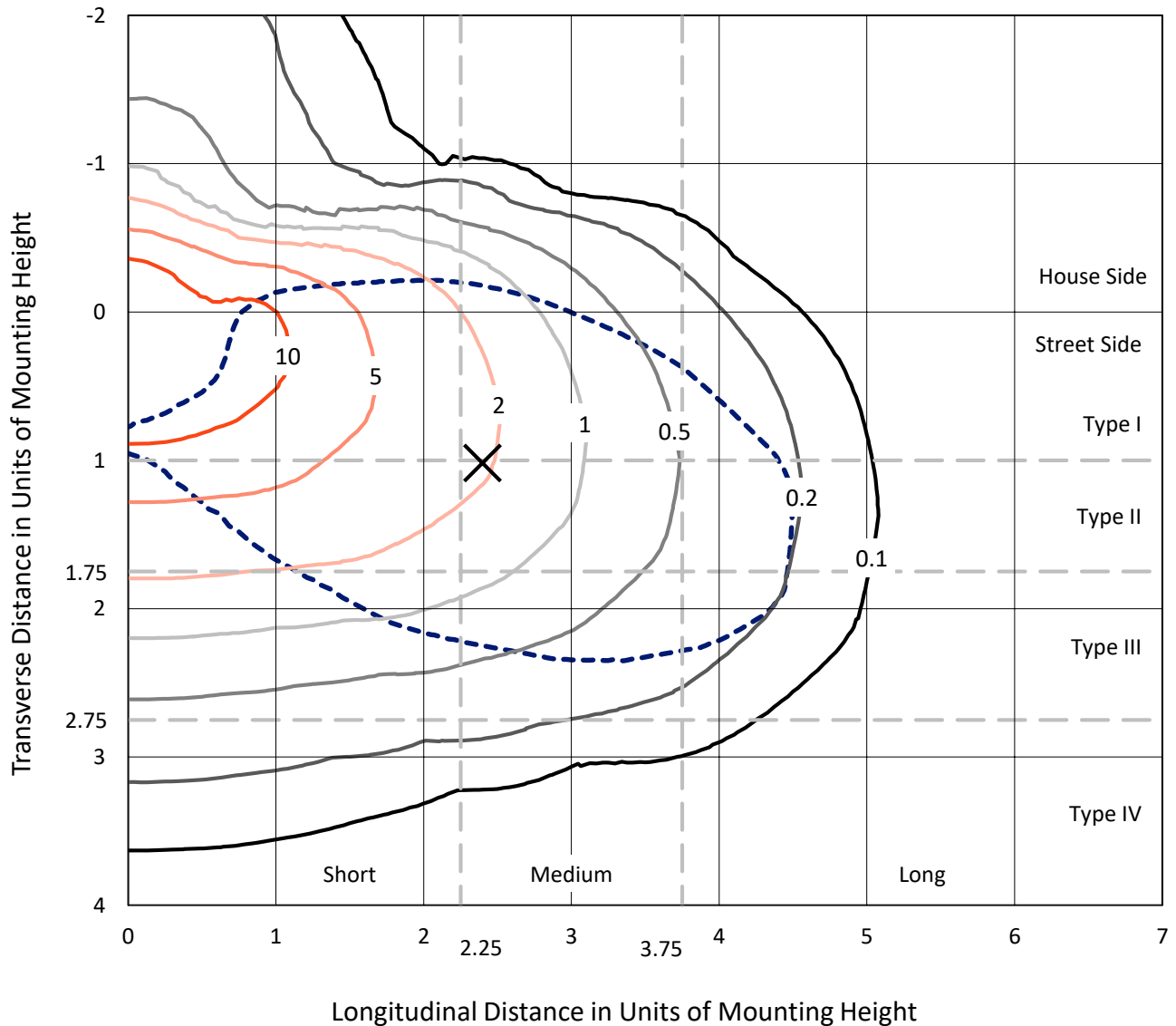
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

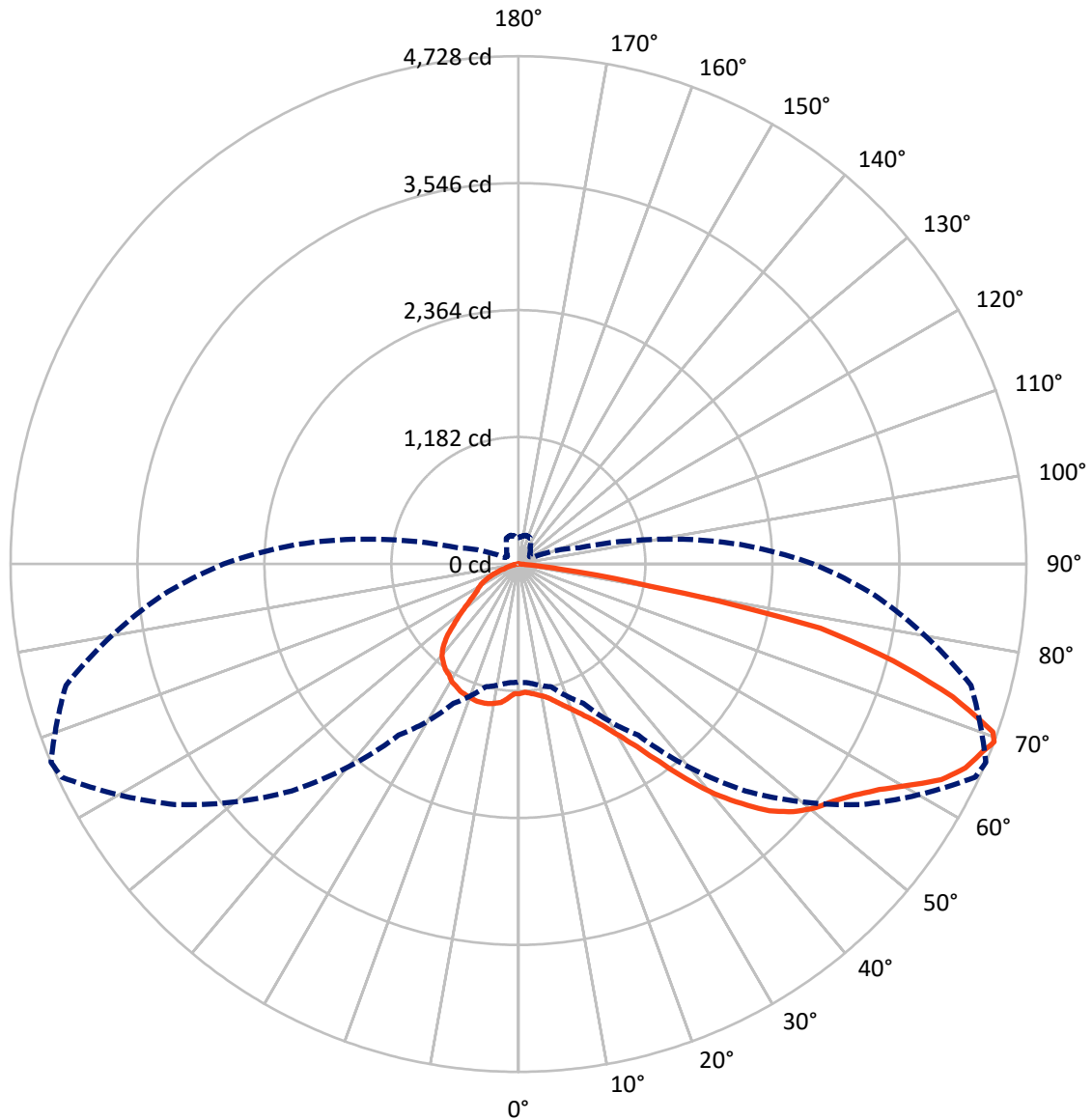


Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1816.8	0.0	1816.8
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	6251.2	0.0	6251.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	8068.0	0.0	8068.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	1.5
10°-20°	389.5	4.8
20°-30°	671.1	8.3
30°-40°	998.2	12.4
40°-50°	1374.7	17.0
50°-60°	1643.3	20.4
60°-70°	1734.2	21.5
70°-80°	1039.2	12.9
80°-90°	95.6	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°	8068.0	100.0
0°-180°	8068.0	100.0



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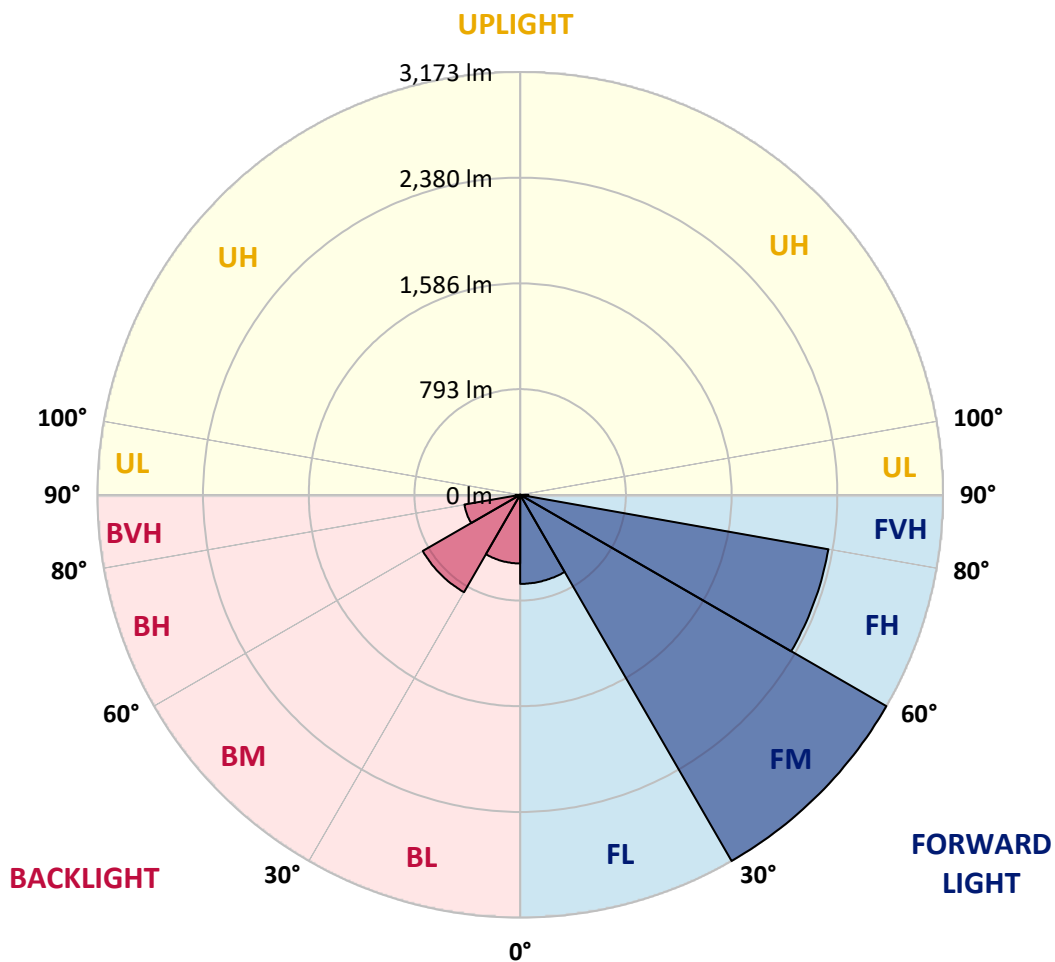
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	668.1	8.3			
FM	(30°-60°)	3172.7	39.3			
FH	(60°-80°)	2348.6	29.1			G2/5000
FVH	(80°-90°)	61.8	0.8			G1/100
BL	(0°-30°)	514.8	6.4	B2/1000		
BM	(30°-60°)	843.5	10.5	B1/1000		
BH	(60°-80°)	424.8	5.3	B1/500		G1/500
BVH	(80°-90°)	33.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8
2.5°	1226.6	1225.9	1222.2	1209.0	1207.5	1206.1	1197.3	1198.0	1195.8	1198.0	1198.7
5°	1260.4	1257.4	1253.8	1239.8	1234.7	1228.1	1214.9	1214.1	1209.0	1210.5	1211.9
7.5°	1302.2	1299.2	1296.3	1280.2	1275.0	1263.3	1242.8	1232.5	1228.1	1229.5	1231.7
10°	1358.7	1353.5	1349.1	1325.7	1317.6	1297.8	1272.8	1255.2	1249.4	1251.6	1257.4
12.5°	1423.2	1416.6	1409.3	1385.1	1374.1	1343.3	1313.9	1291.2	1282.4	1287.5	1291.9
15°	1490.0	1486.3	1483.4	1454.8	1439.4	1405.6	1368.9	1340.3	1332.3	1336.7	1338.9
17.5°	1578.0	1575.8	1570.7	1541.3	1512.0	1473.1	1425.4	1395.3	1387.3	1389.5	1384.3
20°	1674.1	1668.3	1665.3	1632.3	1601.5	1547.9	1492.9	1450.4	1448.2	1448.9	1432.8
22.5°	1782.0	1775.4	1769.5	1739.4	1701.3	1638.9	1567.0	1519.3	1520.8	1522.3	1486.3
25°	1892.0	1886.9	1881.7	1853.1	1815.0	1746.8	1660.2	1606.6	1605.9	1606.6	1556.7
27.5°	2007.2	2001.3	2000.6	1977.1	1939.0	1869.3	1769.5	1715.2	1715.2	1712.3	1636.7
30°	2109.9	2115.8	2115.8	2102.6	2066.6	1996.9	1903.0	1848.7	1856.1	1850.2	1754.1
32.5°	2222.1	2220.7	2230.9	2220.7	2191.3	2126.8	2048.3	2013.8	2026.3	2045.3	1949.2
35°	2287.4	2297.7	2323.4	2338.1	2324.1	2271.3	2214.1	2240.5	2257.4	2343.2	2228.0
37.5°	2363.0	2371.8	2407.0	2443.0	2448.8	2420.2	2420.2	2506.8	2539.8	2652.0	2517.8
40°	2415.1	2423.9	2462.0	2503.8	2561.1	2580.9	2632.2	2766.5	2813.4	2889.0	2733.5
42.5°	2384.3	2388.7	2470.8	2572.8	2657.2	2752.5	2834.0	3004.2	3048.9	3101.7	2911.0
45°	2330.0	2338.1	2429.0	2593.4	2738.6	2927.9	3030.6	3227.9	3279.3	3274.2	3047.5
47.5°	2269.8	2282.3	2383.5	2566.9	2808.3	3079.7	3210.3	3415.7	3445.1	3408.4	3142.1
50°	2203.1	2224.3	2332.2	2540.5	2858.9	3212.5	3343.8	3556.6	3572.0	3497.2	3225.0
52.5°	2126.8	2140.7	2260.3	2489.9	2894.1	3300.6	3450.2	3661.5	3668.1	3607.2	3312.3
55°	2021.1	2033.6	2166.4	2422.4	2899.3	3352.6	3518.4	3773.7	3795.8	3736.3	3391.5
57.5°	1907.4	1922.8	2059.3	2324.8	2852.3	3373.9	3600.6	3918.3	3960.8	3875.7	3455.4
60°	1775.4	1795.2	1933.1	2206.0	2759.9	3406.9	3753.9	4128.8	4181.6	4033.4	3516.2
62.5°	1638.2	1649.2	1776.1	2041.7	2616.1	3423.8	3893.3	4369.4	4420.1	4182.4	3544.9
65°	1445.2	1462.8	1575.8	1844.3	2413.6	3351.2	3958.6	4537.4	4574.1	4303.4	3517.0
67.5°	1240.6	1240.6	1336.7	1608.1	2143.6	3159.0	3932.2	4618.1	4662.2	4388.5	3428.9
69°	1099.0	1110.0	1183.3	1430.6	1945.6	2988.0	3903.6	4692.2	4728.2	4361.4	3327.7
70°	990.4	999.9	1074.0	1301.4	1798.1	2853.1	3842.0	4659.2	4685.6	4277.7	3221.3
72.5°	728.5	736.6	787.9	906.8	1352.1	2302.1	3464.2	4212.5	4228.6	3847.1	2842.0
75°	496.7	501.1	539.9	612.6	788.6	1609.6	2830.3	3558.1	3605.7	3336.5	2327.0
77.5°	171.7	184.9	208.3	281.7	337.5	632.4	1918.4	2803.9	2875.1	2583.8	1627.9
80°	58.7	58.0	111.5	144.5	177.5	290.5	606.7	1175.3	1242.0	1065.2	586.2
82.5°	44.0	45.5	74.1	80.0	54.3	107.1	236.2	359.5	394.0	344.1	242.8
85°	27.9	27.1	33.0	34.5	24.9	45.5	57.2	58.0	60.2	52.1	52.8
87.5°	15.4	15.4	14.7	12.5	6.6	5.9	5.1	5.1	4.4	4.4	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°	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8	1206.8
2.5°	1195.1	1205.3	1207.5	1210.5	1217.8	1227.3	1240.6	1240.6	1245.7	1261.1	1266.2
5°	1211.9	1224.4	1240.6	1257.4	1277.2	1298.5	1319.8	1327.1	1337.4	1357.9	1362.3
7.5°	1237.6	1251.6	1279.4	1302.2	1319.1	1340.3	1357.9	1360.9	1374.1	1393.1	1396.8
10°	1264.0	1276.5	1304.4	1316.1	1338.9	1362.3	1371.1	1375.5	1386.5	1401.2	1399.0
12.5°	1300.0	1303.6	1323.5	1331.5	1342.5	1357.2	1361.6	1361.6	1368.2	1391.7	1392.4
15°	1335.2	1335.2	1338.1	1333.7	1335.2	1342.5	1343.3	1333.7	1341.1	1352.8	1348.4
17.5°	1372.6	1362.3	1349.1	1330.1	1313.2	1312.4	1297.0	1274.3	1267.7	1284.6	1283.8
20°	1407.8	1390.2	1358.7	1315.4	1291.9	1260.4	1221.5	1208.3	1207.5	1210.5	1208.3
22.5°	1454.0	1418.1	1360.9	1301.4	1236.9	1187.0	1154.7	1110.0	1108.5	1101.9	1091.6
25°	1509.1	1457.7	1370.4	1286.0	1192.1	1127.6	1049.8	1002.1	975.0	980.9	963.2
27.5°	1580.2	1517.9	1374.1	1252.3	1130.5	1021.2	927.3	865.7	842.2	831.9	820.2
30°	1677.8	1581.7	1400.5	1223.7	1054.2	909.7	794.5	705.0	671.3	680.1	681.5
32.5°	1834.1	1702.7	1414.4	1167.2	966.2	787.9	638.3	541.4	521.6	546.5	553.2
35°	2106.2	1890.5	1447.4	1133.4	865.7	645.6	474.7	435.0	439.4	460.7	462.2
37.5°	2374.0	2128.2	1549.4	1060.1	745.4	478.3	368.3	347.0	368.3	395.4	399.1
40°	2561.8	2313.8	1639.6	987.5	576.6	346.3	281.0	255.3	286.1	329.4	337.5
42.5°	2728.3	2461.3	1703.5	886.9	394.7	247.2	201.7	208.3	253.8	285.4	292.7
45°	2847.9	2562.5	1747.5	756.4	251.6	187.1	180.5	201.7	245.0	270.0	272.2
47.5°	2923.5	2622.0	1715.2	595.7	189.3	176.8	177.5	204.7	248.0	275.8	275.1
50°	2991.7	2653.5	1610.3	472.5	179.7	169.5	181.2	212.8	257.5	283.2	281.7
52.5°	3064.3	2684.3	1482.6	370.5	172.4	165.8	185.6	217.9	257.5	273.6	271.4
55°	3126.7	2711.5	1386.5	297.9	167.3	165.1	190.0	226.0	256.0	262.6	258.2
57.5°	3159.0	2665.2	1282.4	250.2	162.1	165.1	192.9	224.5	264.8	286.1	281.7
60°	3141.4	2622.0	1198.0	232.6	154.8	164.3	194.4	240.6	325.0	344.8	343.3
62.5°	3109.1	2574.3	1079.9	209.1	146.7	165.8	193.7	255.3	374.1	367.5	349.2
65°	3043.1	2478.9	918.5	181.9	138.7	168.7	193.7	287.6	326.5	319.1	311.1
67.5°	2902.2	2272.8	735.1	156.3	129.9	159.9	190.7	273.6	281.0	261.9	252.4
69°	2744.5	2076.1	581.8	142.3	124.7	155.5	190.0	264.1	276.6	256.0	245.0
70°	2621.2	1922.8	470.3	132.1	119.6	154.1	189.3	257.5	274.4	251.6	239.9
72.5°	2183.3	1553.8	246.5	106.4	102.0	140.1	182.7	251.6	275.1	241.4	224.5
75°	1715.2	1105.6	163.6	81.4	78.5	122.5	167.3	242.1	259.0	217.2	191.5
77.5°	1057.9	484.2	113.0	56.5	57.2	95.4	143.8	216.4	261.2	219.4	186.3
80°	307.4	187.1	71.9	38.1	35.2	56.5	113.0	186.3	248.0	225.2	203.2
82.5°	177.5	121.8	48.4	24.2	21.3	25.7	71.2	144.5	218.6	206.1	210.5
85°	40.3	33.7	17.6	11.7	11.7	14.7	24.2	83.6	151.1	176.8	199.5
87.5°	4.4	4.4	4.4	4.4	4.4	3.7	4.4	22.7	66.0	93.9	109.3
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)