

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: P509279

Luminaire Tested: **VERD-CA2-60-750-U-T3**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-60-750-U-T3
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 850mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9403 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.4
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: 24 FT

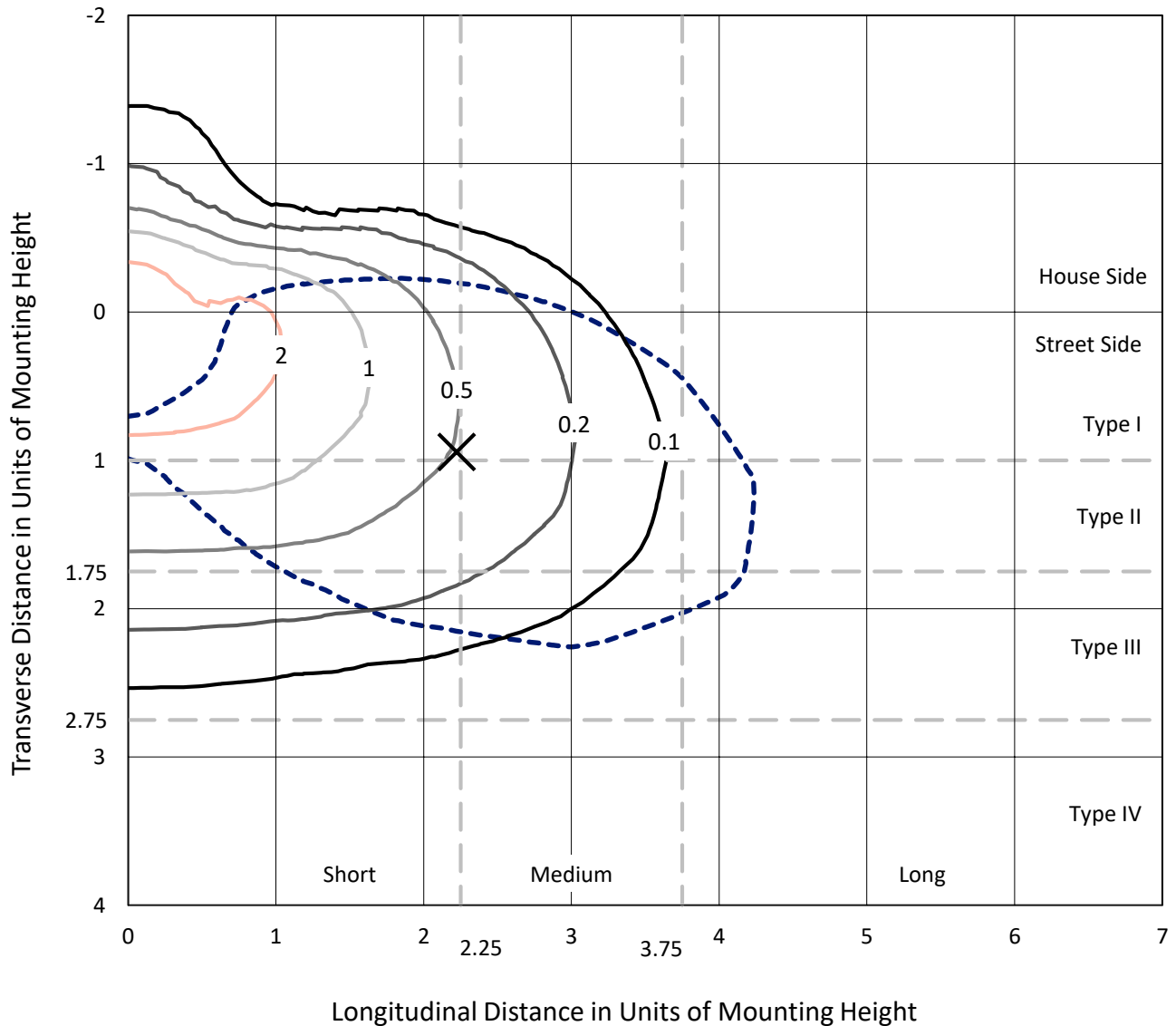


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Iso-Footcandle Lines of Horizontal Illumination

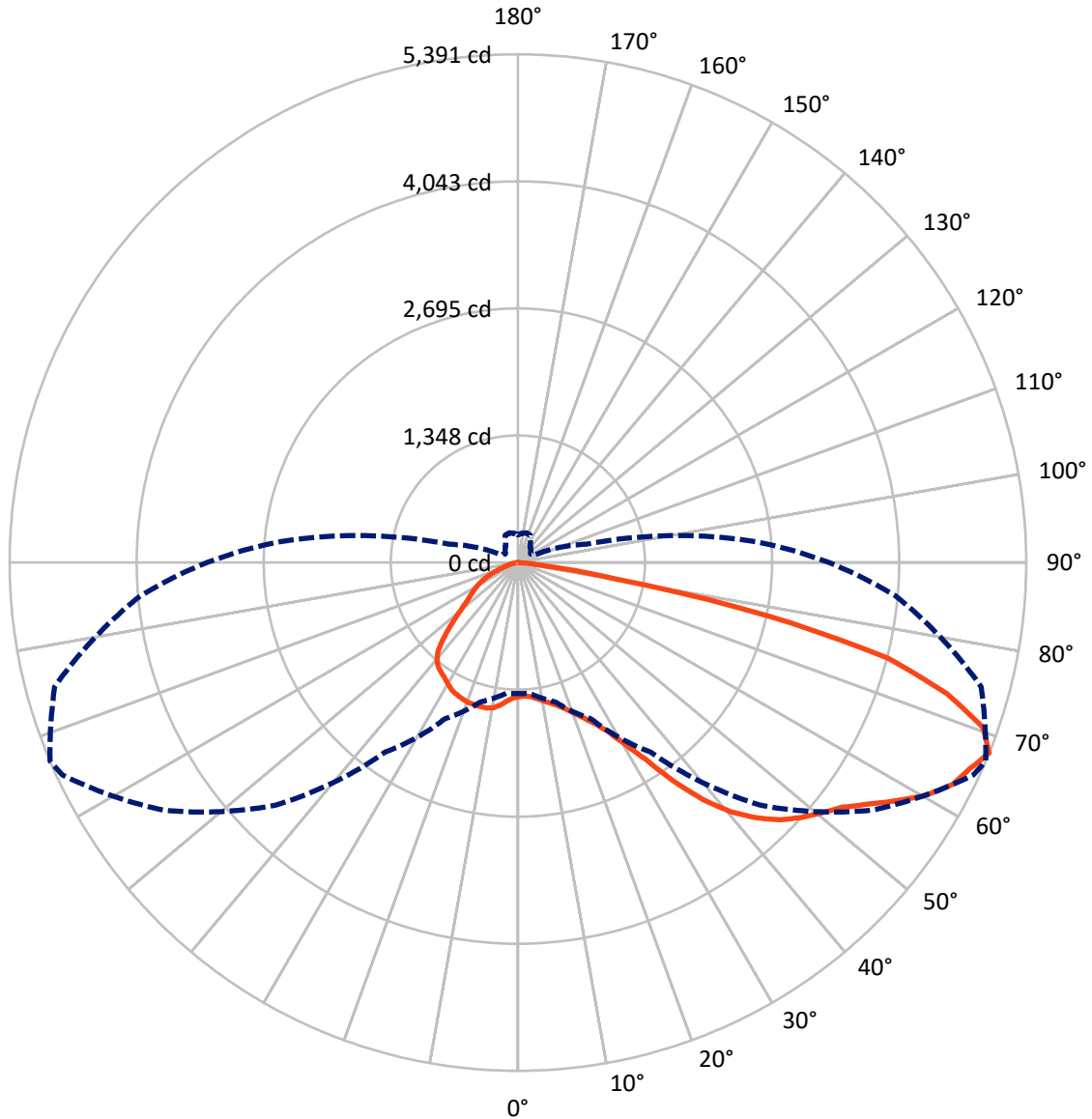
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2150.0	0.0	2150.0
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	7252.9	0.0	7252.9
	% Fixture	77.1	0.0	77.1
Total	Lumens	9403.0	0.0	9403.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	1.5
10°-20°	461.1	4.9
20°-30°	796.7	8.5
30°-40°	1209.2	12.9
40°-50°	1643.2	17.5
50°-60°	1954.2	20.8
60°-70°	2010.6	21.4
70°-80°	1096.8	11.7
80°-90°	87.2	0.9
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°	9403.0	100.0
0°-180°	9403.0	100.0

Coefficient of Utilization



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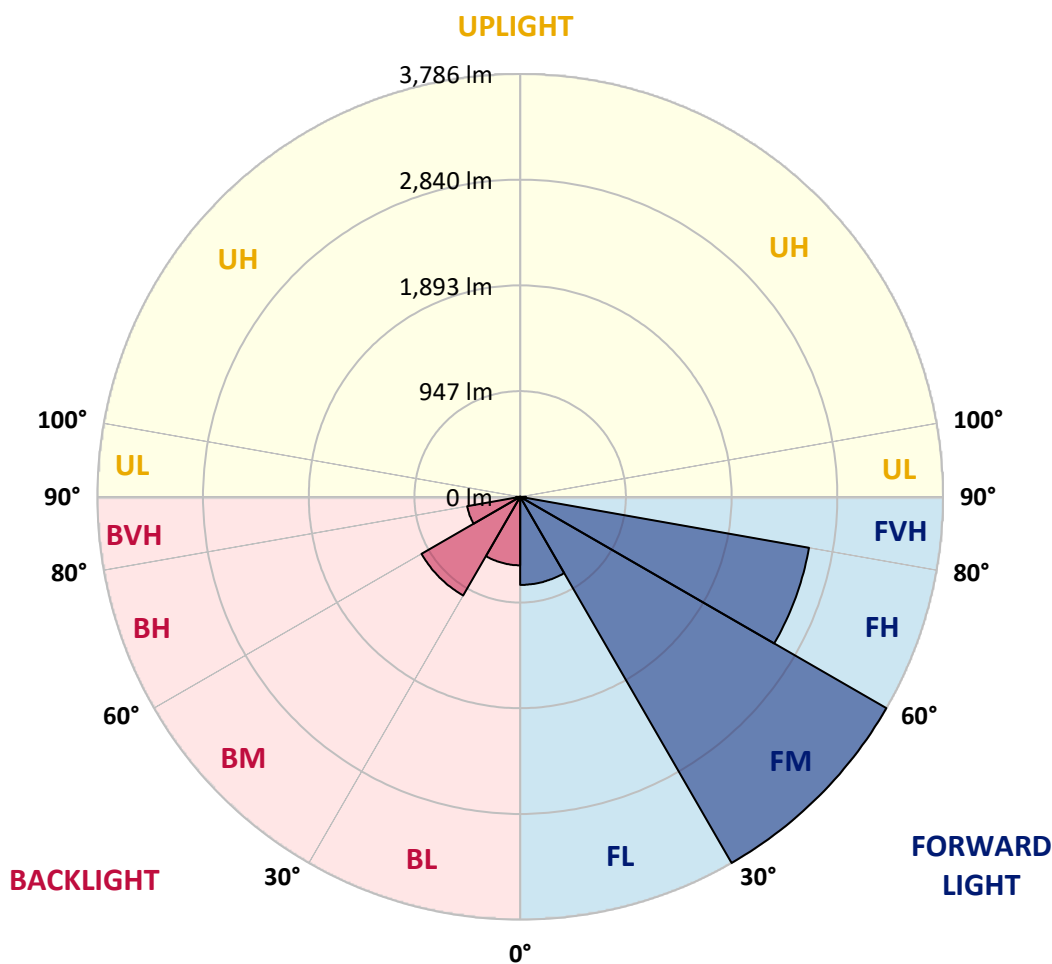
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	788.7	8.4			
FM (30°-60°)	3786.0	40.3			
FH (60°-80°)	2626.1	27.9			G2/5000
FVH (80°-90°)	52.2	0.6			G1/100
BL (0°-30°)	613.1	6.5	B2/1000		
BM (30°-60°)	1020.6	10.9	B2/2500		
BH (60°-80°)	481.4	5.1	B1/500		G1/500
BVH (80°-90°)	35.0	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1430.7	1424.6	1416.4	1419.5	1413.4	1423.5	1419.5	1417.4	1417.4	1418.4	1423.5
5°	1463.3	1457.1	1451.0	1450.0	1437.8	1441.9	1435.8	1429.6	1429.6	1428.6	1430.7
7.5°	1520.3	1512.1	1505.0	1504.0	1488.7	1486.7	1468.3	1456.1	1456.1	1455.1	1458.2
10°	1595.6	1592.6	1578.3	1569.2	1550.8	1538.6	1516.2	1496.9	1492.8	1486.7	1494.8
12.5°	1667.9	1666.9	1653.7	1643.5	1618.0	1596.6	1560.0	1533.5	1528.4	1521.3	1527.4
15°	1758.5	1749.4	1735.1	1729.0	1692.4	1659.8	1618.0	1578.3	1573.2	1565.1	1570.2
17.5°	1858.3	1853.2	1830.8	1823.7	1777.9	1740.2	1688.3	1637.4	1629.2	1618.0	1617.0
20°	1978.5	1969.3	1952.0	1931.7	1886.8	1832.9	1772.8	1714.8	1707.6	1698.5	1679.1
22.5°	2107.8	2097.6	2080.3	2058.9	2001.9	1944.9	1869.5	1796.2	1792.2	1786.0	1750.4
25°	2231.0	2213.7	2215.7	2195.4	2144.5	2072.2	1983.6	1896.0	1894.0	1893.0	1835.9
27.5°	2362.4	2344.1	2337.9	2330.8	2283.0	2214.7	2114.9	2031.4	2024.3	2025.3	1938.8
30°	2485.6	2477.4	2472.4	2467.3	2443.8	2382.7	2287.0	2212.7	2235.1	2233.1	2113.9
32.5°	2581.3	2575.2	2596.6	2621.0	2614.9	2564.0	2497.8	2464.2	2486.6	2558.9	2455.0
35°	2665.8	2662.8	2703.5	2755.4	2792.1	2755.4	2748.3	2800.2	2852.2	2972.3	2912.2
37.5°	2757.5	2753.4	2788.0	2876.6	2940.8	2952.0	3005.9	3139.3	3189.2	3309.4	3183.1
40°	2756.4	2761.5	2845.0	2958.1	3075.2	3169.9	3280.9	3410.2	3474.3	3531.4	3335.8
42.5°	2711.6	2714.7	2819.6	3034.4	3204.5	3390.8	3489.6	3655.6	3699.4	3710.6	3516.1
45°	2665.8	2667.9	2781.9	3023.2	3312.4	3597.5	3707.5	3859.2	3892.8	3854.1	3638.3
47.5°	2599.6	2612.9	2736.1	3012.0	3405.1	3788.0	3876.5	4027.2	4040.5	3991.6	3740.1
50°	2521.2	2528.4	2669.9	2975.4	3466.2	3906.1	4011.0	4147.4	4172.9	4117.9	3866.4
52.5°	2425.5	2431.6	2585.4	2926.5	3499.8	3996.7	4113.8	4276.7	4311.3	4286.9	3977.4
55°	2315.5	2318.6	2475.4	2847.1	3490.6	4036.4	4203.4	4460.0	4518.1	4458.0	4070.0
57.5°	2178.1	2189.3	2367.5	2727.9	3421.4	4086.3	4365.3	4686.1	4760.4	4632.1	4139.3
60°	2036.5	2047.7	2209.6	2589.5	3305.3	4108.7	4532.3	4929.4	4994.6	4797.1	4182.0
62.5°	1877.7	1893.0	2027.4	2380.7	3097.6	4079.2	4655.5	5142.3	5178.9	4895.8	4170.8
65°	1646.5	1654.7	1801.3	2129.2	2826.7	3925.4	4650.4	5256.3	5268.5	5004.8	4121.9
67.5°	1389.9	1391.0	1529.4	1825.8	2454.0	3638.3	4579.1	5330.6	5390.7	5085.2	4015.0
70°	1057.0	1071.2	1179.2	1399.1	2006.0	3147.5	4343.9	5257.3	5228.8	4865.3	3708.5
72.5°	754.5	746.4	801.4	950.0	1404.2	2428.6	3745.2	4750.2	4756.3	4431.5	3226.9
75°	401.2	403.2	450.1	575.3	716.9	1580.4	2995.7	4013.0	4049.6	3800.2	2525.3
77.5°	89.6	101.8	154.8	219.9	311.6	506.1	1625.2	2632.2	2701.5	2500.9	1383.8
80°	69.2	70.3	101.8	125.2	137.5	242.3	516.3	955.1	1060.0	1001.0	520.3
82.5°	45.8	46.8	67.2	69.2	66.2	111.0	234.2	286.1	314.6	274.9	193.5
85°	24.4	25.5	30.5	33.6	26.5	32.6	30.5	24.4	25.5	22.4	22.4
87.5°	5.1	3.1	4.1	3.1	3.1	2.0	3.1	3.1	3.1	3.1	3.1
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°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1423.5	1425.6	1430.7	1438.8	1442.9	1452.0	1458.2	1473.4	1494.8	1487.7	1478.5
5°	1431.7	1437.8	1455.1	1476.5	1492.8	1517.2	1529.4	1559.0	1583.4	1581.4	1565.1
7.5°	1462.2	1475.5	1496.9	1528.4	1555.9	1580.4	1597.7	1629.2	1651.6	1642.5	1627.2
10°	1500.9	1514.2	1537.6	1566.1	1586.5	1612.9	1624.1	1649.6	1663.8	1652.6	1639.4
12.5°	1536.6	1543.7	1560.0	1581.4	1592.6	1609.9	1615.0	1633.3	1646.5	1641.4	1625.2
15°	1571.2	1570.2	1573.2	1579.3	1583.4	1587.5	1588.5	1601.7	1610.9	1600.7	1589.5
17.5°	1609.9	1599.7	1586.5	1576.3	1561.0	1553.9	1540.6	1546.7	1545.7	1537.6	1528.4
20°	1658.8	1640.4	1599.7	1568.1	1528.4	1496.9	1469.4	1464.3	1464.3	1441.9	1440.8
22.5°	1716.8	1686.3	1618.0	1548.8	1484.6	1434.7	1383.8	1354.3	1332.9	1316.6	1309.5
25°	1792.2	1736.1	1634.3	1522.3	1427.6	1337.0	1260.6	1219.9	1179.2	1152.7	1148.6
27.5°	1872.6	1811.5	1644.5	1498.9	1349.2	1225.0	1119.1	1035.6	997.9	980.6	964.3
30°	2004.0	1896.0	1662.8	1449.0	1250.4	1087.5	947.0	849.2	812.6	800.4	790.2
32.5°	2322.7	2114.9	1680.1	1398.1	1144.5	935.8	750.5	668.0	636.4	648.6	652.7
35°	2721.8	2440.8	1762.6	1339.0	1034.6	763.7	577.4	522.4	524.4	542.7	548.8
37.5°	2992.7	2727.9	1930.6	1264.7	876.7	566.2	447.0	429.7	445.0	461.3	464.3
40°	3151.5	2859.3	2048.8	1173.0	690.4	423.6	336.0	323.8	356.4	393.1	415.5
42.5°	3320.6	2971.3	2109.9	1053.9	484.7	306.5	257.6	266.8	318.7	350.3	364.5
45°	3411.2	3058.9	2082.4	883.9	329.9	238.3	231.1	256.6	308.5	337.0	341.1
47.5°	3508.9	3146.4	2016.2	706.7	252.5	226.1	227.1	257.6	310.6	341.1	341.1
50°	3593.5	3218.7	1898.1	553.9	240.3	217.9	228.1	262.7	313.6	340.1	339.1
52.5°	3691.2	3251.3	1730.0	448.0	228.1	210.8	229.1	266.8	308.5	323.8	321.8
55°	3721.8	3227.9	1649.6	374.7	218.9	206.7	233.2	272.9	306.5	309.6	304.5
57.5°	3721.8	3164.8	1557.9	319.7	210.8	206.7	235.2	271.9	317.7	337.0	335.0
60°	3705.5	3098.6	1417.4	286.1	199.6	204.7	236.2	287.2	377.8	399.2	398.1
62.5°	3653.5	2991.7	1244.3	252.5	188.4	205.7	233.2	308.5	431.7	422.6	400.2
65°	3530.3	2790.1	1009.1	222.0	176.2	205.7	229.1	339.1	383.9	366.6	358.4
67.5°	3298.2	2536.5	750.5	190.4	161.9	192.5	223.0	317.7	325.8	306.5	294.3
70°	2991.7	2148.5	481.6	160.9	146.6	181.3	218.9	298.4	314.6	291.2	276.0
72.5°	2492.7	1706.6	279.0	131.4	124.2	167.0	210.8	289.2	309.6	278.0	256.6
75°	1758.5	1077.3	183.3	96.7	99.8	142.6	195.5	270.9	290.2	251.5	221.0
77.5°	896.1	404.3	130.3	71.3	67.2	109.0	169.0	249.5	286.1	253.5	216.9
80°	316.7	203.7	85.5	46.8	43.8	67.2	129.3	211.8	268.8	247.4	240.3
82.5°	135.4	101.8	46.8	29.5	26.5	33.6	73.3	167.0	236.2	224.0	270.9
85°	19.3	17.3	13.2	11.2	11.2	15.3	23.4	82.5	159.9	182.3	221.0
87.5°	3.1	3.1	3.1	2.0	2.0	2.0	1.0	12.2	52.9	79.4	110.0
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)