

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: P233485

Luminaire Tested: **VERD-C026-D-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-10)  
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-T2  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 790mA LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8080 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

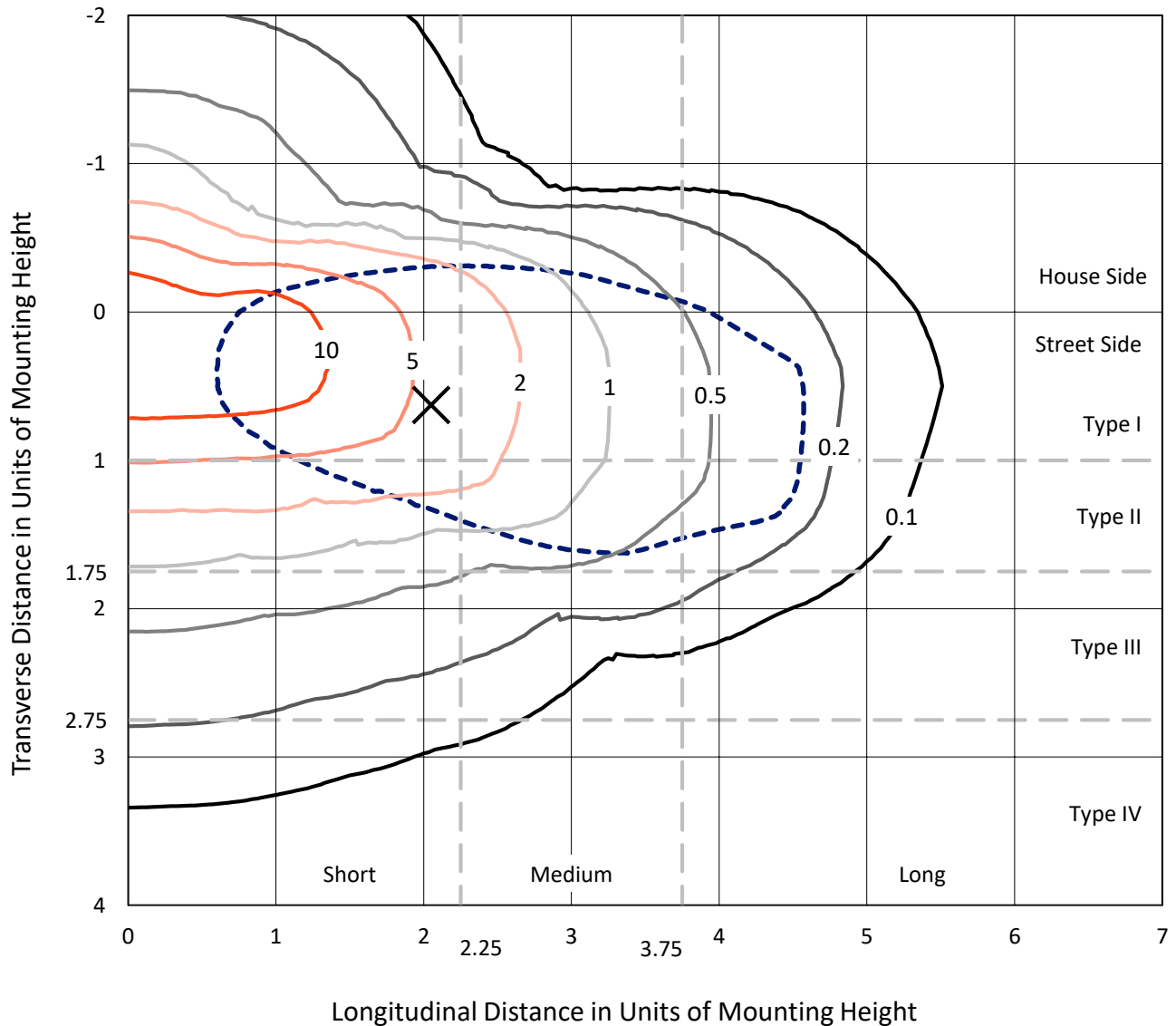
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

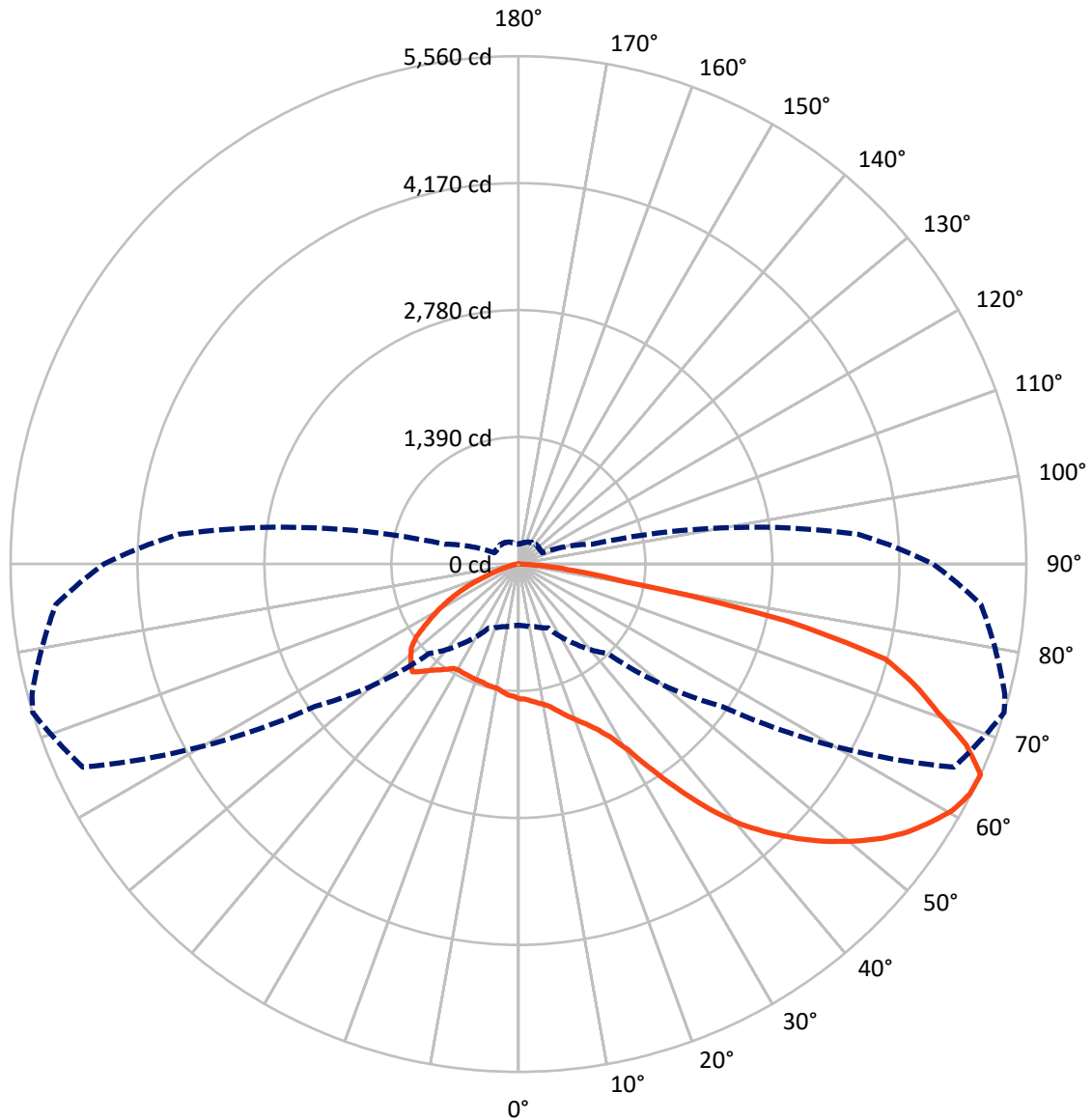


Based on 10 foot mounting height. Maximum calculated value = 17.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2071.3	0.0	2071.3
	% Fixture	25.6	0.0	25.6
<b>Street Side</b>	Lumens	6008.7	0.0	6008.7
	% Fixture	74.4	0.0	74.4
<b>Total</b>	Lumens	8080.0	0.0	8080.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.0	1.7
10°-20°	426.3	5.3
20°-30°	715.1	8.8
30°-40°	1048.6	13.0
40°-50°	1417.2	17.5
50°-60°	1641.8	20.3
60°-70°	1603.7	19.8
70°-80°	963.0	11.9
80°-90°	123.3	1.5
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°	8080.0	100.0
0°-180°	8080.0	100.0



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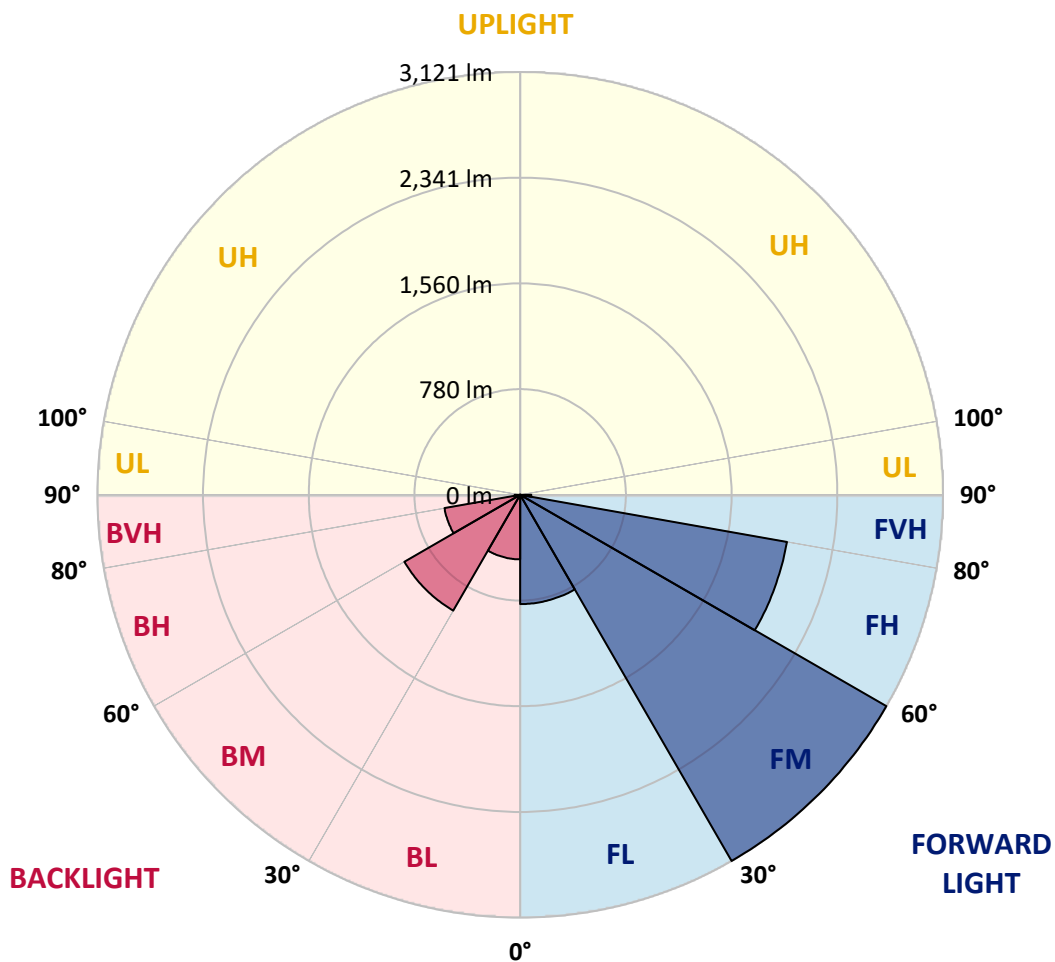
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	806.2	10.0			
FM	(30°-60°)	3120.7	38.6			
FH	(60°-80°)	1999.6	24.7			G2/5000
FVH	(80°-90°)	82.1	1.0			G1/100
BL	(0°-30°)	476.1	5.9	B1/500		
BM	(30°-60°)	986.9	12.2	B1/1000		
BH	(60°-80°)	567.1	7.0	B2/1000		G2/1000
BVH	(80°-90°)	41.2	0.5			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4
2.5°	1568.4	1574.3	1567.7	1548.6	1539.0	1532.4	1512.6	1495.0	1481.1	1479.6	1466.4
5°	1628.5	1637.3	1626.3	1602.1	1592.6	1578.7	1556.6	1532.4	1507.5	1502.4	1476.0
7.5°	1704.8	1706.3	1700.4	1676.2	1656.4	1627.1	1588.9	1563.3	1534.6	1526.6	1484.8
10°	1769.4	1768.7	1761.3	1737.8	1718.0	1692.4	1638.8	1597.0	1563.3	1553.0	1495.0
12.5°	1831.0	1829.5	1822.2	1798.0	1773.1	1751.8	1711.4	1654.9	1609.5	1596.3	1524.4
15°	1907.3	1903.6	1891.9	1859.6	1839.8	1814.9	1785.5	1729.0	1677.0	1658.6	1566.9
17.5°	1966.0	1965.3	1956.4	1929.3	1905.8	1878.7	1851.5	1807.5	1751.0	1730.5	1608.7
20°	1999.7	1996.8	1994.6	1973.3	1967.5	1952.8	1913.9	1880.2	1823.7	1802.4	1655.7
22.5°	2035.7	2036.4	2037.1	2026.1	2043.0	2030.5	2001.9	1960.8	1903.6	1879.4	1721.7
25°	2043.7	2045.2	2059.9	2084.1	2104.6	2127.4	2106.8	2066.5	2004.9	1979.2	1811.9
27.5°	2021.0	2026.9	2070.9	2112.0	2184.6	2213.9	2210.3	2208.1	2145.0	2119.3	1935.9
30°	2041.5	2041.5	2071.6	2142.0	2233.7	2310.8	2327.6	2374.6	2355.5	2337.2	2144.2
32.5°	1979.9	1990.9	2044.5	2142.8	2288.0	2400.3	2476.6	2607.1	2682.7	2667.3	2439.1
35°	1864.0	1878.7	1957.2	2107.6	2315.2	2505.9	2642.3	2894.0	3039.9	3058.3	2794.2
37.5°	1774.5	1787.0	1885.3	2052.5	2325.4	2604.9	2833.8	3216.7	3405.3	3395.7	3095.0
40°	1665.2	1687.2	1786.3	1987.3	2301.2	2689.3	3041.4	3513.1	3744.9	3700.9	3381.1
42.5°	1566.9	1586.0	1668.9	1883.1	2267.5	2737.0	3229.2	3818.3	4021.5	3986.3	3651.7
45°	1462.8	1479.6	1556.6	1758.4	2189.0	2760.4	3405.3	4110.2	4287.0	4247.4	3902.6
47.5°	1343.2	1365.9	1457.6	1641.0	2073.8	2745.8	3533.6	4364.0	4539.4	4510.0	4110.2
50°	1041.7	1065.2	1305.0	1531.0	1913.9	2684.9	3648.8	4617.9	4767.5	4739.6	4293.6
52.5°	945.6	955.8	1030.7	1404.8	1747.4	2564.6	3720.7	4826.9	4989.8	4961.9	4466.7
55°	886.9	894.2	936.0	1147.3	1605.8	2370.9	3729.5	5044.1	5176.8	5140.2	4650.9
57.5°	826.7	834.8	881.0	989.6	1463.5	2068.0	3636.3	5228.2	5328.7	5289.1	4826.9
60°	776.1	780.5	826.0	900.8	1302.8	1767.2	3396.5	5353.6	5468.8	5417.5	4999.3
62.5°	729.9	735.8	768.8	837.0	1167.9	1542.0	3061.9	5354.4	5545.8	5514.3	5086.6
65°	669.8	678.6	710.8	772.5	1058.6	1387.9	2715.7	5261.2	5559.8	5512.8	5082.2
67.5°	600.1	611.1	640.4	689.6	913.3	1223.6	2233.0	5138.7	5287.6	5279.5	4872.4
70°	530.4	530.4	563.4	603.0	757.8	1047.5	1764.3	4702.2	4872.4	4884.9	4496.1
72.5°	447.5	448.9	474.6	509.1	610.3	859.8	1285.2	4020.0	4542.3	4391.2	4055.2
75°	375.6	374.1	400.5	429.1	496.6	677.1	838.5	2953.4	4151.3	4185.1	3568.8
77.5°	199.5	192.2	225.9	248.7	291.2	376.3	465.1	1481.1	3006.2	3072.2	2857.3
80°	56.5	57.2	149.6	167.3	191.5	186.3	215.7	564.9	1189.1	1340.2	1666.0
82.5°	33.7	38.9	85.1	99.8	74.8	48.4	82.2	314.0	615.5	689.6	826.7
85°	17.6	19.1	30.1	37.4	28.6	24.2	24.9	132.0	299.3	304.4	330.1
87.5°	8.1	8.1	11.0	11.7	7.3	4.4	2.9	2.2	2.2	1.5	1.5
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°	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4	1477.4
2.5°	1456.1	1463.5	1451.0	1441.5	1434.1	1429.7	1424.6	1412.1	1415.8	1420.9	1420.2
5°	1463.5	1467.2	1445.1	1415.1	1387.2	1367.4	1354.2	1334.4	1334.4	1342.4	1342.4
7.5°	1470.1	1465.0	1420.2	1369.6	1338.0	1321.9	1300.6	1279.4	1275.7	1281.6	1282.3
10°	1473.8	1451.7	1389.4	1342.4	1301.4	1268.4	1241.2	1217.0	1216.3	1224.3	1225.8
12.5°	1489.9	1447.3	1387.2	1322.6	1261.0	1225.8	1193.5	1166.4	1156.8	1157.6	1159.1
15°	1514.8	1465.0	1384.3	1295.5	1228.7	1181.8	1134.8	1100.4	1091.6	1103.3	1107.7
17.5°	1544.9	1493.6	1370.3	1270.6	1189.1	1132.6	1085.7	1054.9	1027.0	1014.5	1012.3
20°	1584.5	1517.8	1377.7	1233.9	1151.0	1075.4	1016.7	979.3	955.8	954.4	952.9
22.5°	1636.6	1544.9	1379.1	1209.7	1090.8	1012.3	939.7	918.4	876.6	861.2	867.8
25°	1705.6	1586.0	1375.5	1184.0	1044.6	939.0	851.7	812.8	797.4	779.8	781.3
27.5°	1794.3	1651.3	1385.0	1150.2	969.1	849.5	751.9	710.1	686.6	672.0	674.2
30°	1974.8	1750.3	1384.3	1118.0	899.4	757.1	647.0	619.1	595.7	582.5	589.1
32.5°	2231.5	1965.3	1415.1	1074.7	820.1	633.1	559.0	527.4	507.6	493.0	496.6
35°	2549.2	2199.3	1494.3	1016.0	729.9	538.4	487.8	448.9	424.7	418.9	416.7
37.5°	2844.1	2406.1	1569.1	977.1	626.5	486.4	422.5	383.7	362.4	369.7	369.7
40°	3107.4	2680.5	1653.5	914.8	532.6	426.9	349.9	332.3	321.3	333.8	338.2
42.5°	3306.2	2943.8	1767.9	832.6	456.3	356.5	299.3	311.8	316.2	325.0	322.8
45°	3552.7	3094.2	1880.9	756.3	389.5	297.1	289.0	314.7	325.0	333.0	329.4
47.5°	3779.4	3210.9	1858.1	615.5	327.9	287.6	294.2	314.7	332.3	345.5	343.3
50°	3974.5	3356.8	1814.9	478.3	314.7	296.4	299.3	306.6	333.0	341.8	341.8
52.5°	4096.3	3501.4	1761.3	386.6	324.2	307.4	302.2	301.5	319.1	325.7	319.8
55°	4243.0	3651.0	1622.7	358.7	327.9	314.7	310.3	303.7	308.8	303.7	306.6
57.5°	4405.9	3798.5	1409.9	350.6	325.7	312.5	336.0	300.8	297.8	279.5	275.1
60°	4548.9	3856.4	1223.6	332.3	314.0	306.6	312.5	297.1	282.4	258.2	248.7
62.5°	4602.5	3851.3	1034.3	313.2	296.4	297.8	297.1	286.1	272.9	248.7	242.8
65°	4537.9	3733.9	838.5	290.5	282.4	288.3	281.0	264.8	242.8	223.0	217.9
67.5°	4319.3	3434.6	622.8	260.4	259.7	270.7	265.6	243.5	219.3	203.9	203.9
70°	3901.2	3066.3	403.5	216.4	232.5	251.6	251.6	228.1	196.6	183.4	187.1
72.5°	3443.4	2638.7	261.2	160.7	183.4	228.1	226.7	210.5	181.2	164.3	165.1
75°	2982.7	2093.6	168.7	110.8	118.8	194.4	201.0	171.7	140.8	120.3	116.6
77.5°	2267.5	1575.0	107.1	64.6	75.6	118.8	152.6	143.0	143.8	175.3	173.9
80°	1394.5	949.2	77.8	31.5	37.4	77.8	123.2	136.4	191.5	126.2	115.9
82.5°	698.4	443.8	41.1	19.1	21.3	34.5	73.4	163.6	139.4	83.6	79.2
85°	261.2	119.6	12.5	9.5	11.7	17.6	30.1	149.6	88.8	66.8	65.3
87.5°	1.5	2.2	2.2	2.9	4.4	5.1	11.0	71.2	44.7	32.3	30.8
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)