

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: P233472

Luminaire Tested: **VERD-C026-D-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233472
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-T2-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 790mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7863 lumens
Efficiency: N/A
Efficacy: 126.8 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

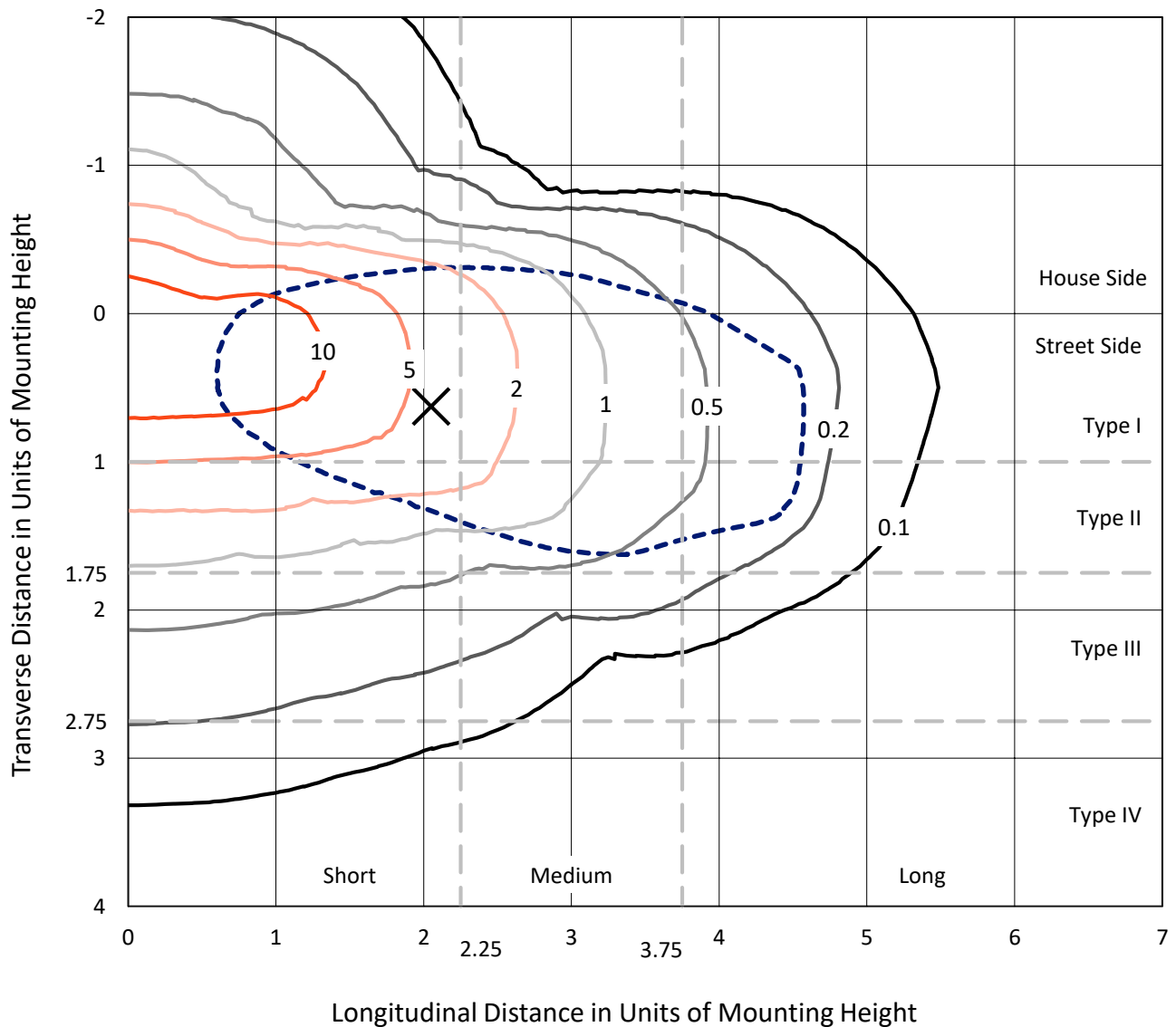


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

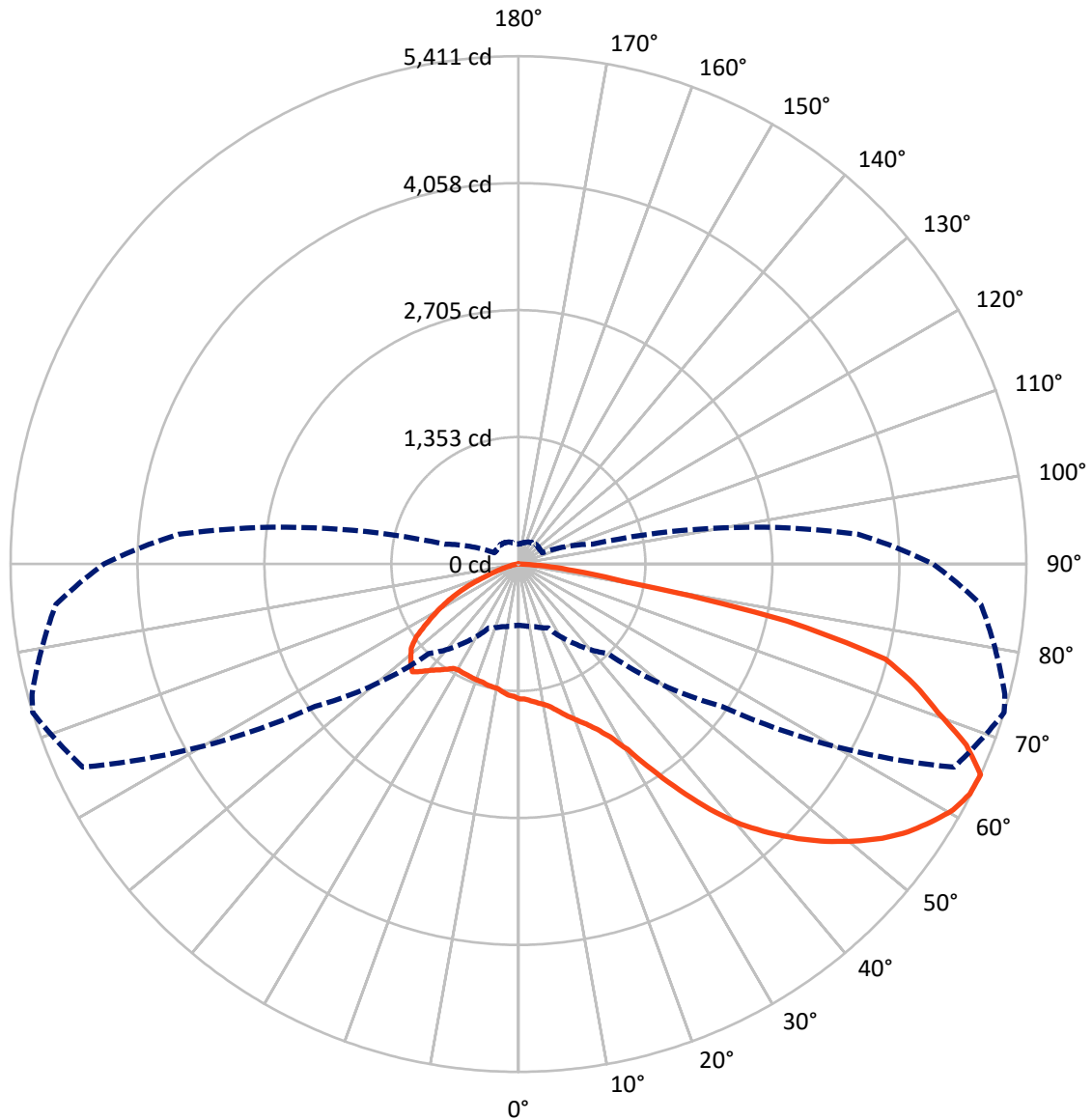


Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
 Type II - Short - Non-Cutoff

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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
House Side	Lumens	2015.6	0.0	2015.6
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	5847.4	0.0	5847.4
	% Fixture	74.4	0.0	74.4
Total	Lumens	7863.0	0.0	7863.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.2	1.7
10°-20°	414.8	5.3
20°-30°	695.9	8.8
30°-40°	1020.5	13.0
40°-50°	1379.2	17.5
50°-60°	1597.7	20.3
60°-70°	1560.6	19.8
70°-80°	937.2	11.9
80°-90°	120.0	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°	7863.0	100.0
0°-180°	7863.0	100.0



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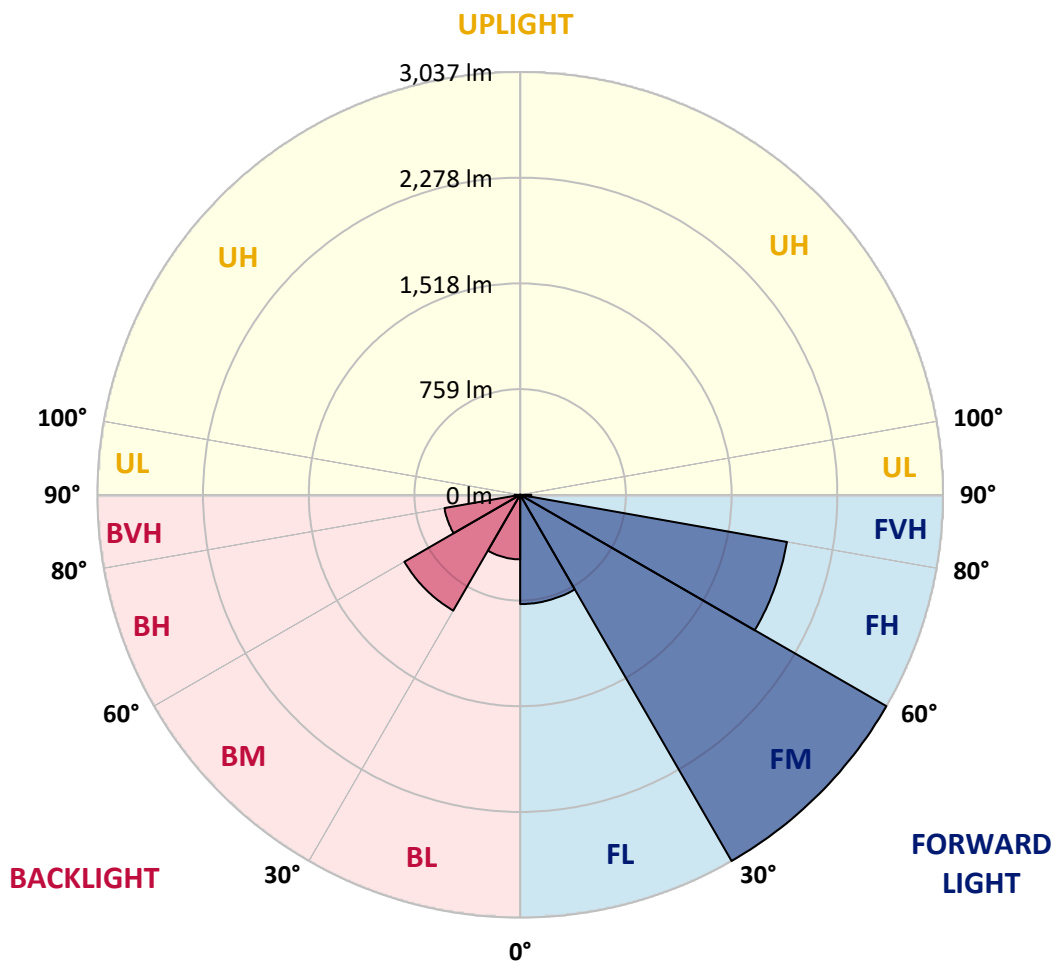
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.6	10.0			
FM (30°-60°)	3036.9	38.6			
FH (60°-80°)	1945.9	24.7			G2/5000
FVH (80°-90°)	79.9	1.0			G1/100
BL (0°-30°)	463.3	5.9	B1/500		
BM (30°-60°)	960.4	12.2	B1/1000		
BH (60°-80°)	551.9	7.0	B2/1000		G2/1000
BVH (80°-90°)	40.1	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°	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7
2.5°	1526.3	1532.0	1525.6	1507.0	1497.7	1491.3	1472.0	1454.9	1441.3	1439.9	1427.0
5°	1584.8	1593.4	1582.7	1559.1	1549.8	1536.3	1514.8	1491.3	1467.0	1462.0	1436.3
7.5°	1659.0	1660.5	1654.8	1631.2	1611.9	1583.4	1546.3	1521.3	1493.4	1485.6	1444.9
10°	1721.9	1721.2	1714.0	1691.2	1671.9	1646.9	1594.8	1554.1	1521.3	1511.3	1454.9
12.5°	1781.8	1780.4	1773.3	1749.7	1725.4	1704.7	1665.5	1610.5	1566.2	1553.4	1483.4
15°	1856.1	1852.5	1841.1	1809.7	1790.4	1766.1	1737.6	1682.6	1631.9	1614.1	1524.8
17.5°	1913.2	1912.5	1903.9	1877.5	1854.6	1828.2	1801.8	1759.0	1704.0	1684.0	1565.5
20°	1946.0	1943.2	1941.0	1920.3	1914.6	1900.3	1862.5	1829.7	1774.7	1754.0	1611.2
22.5°	1981.0	1981.7	1982.4	1971.7	1988.1	1976.0	1948.2	1908.2	1852.5	1828.9	1675.5
25°	1988.9	1990.3	2004.6	2028.1	2048.1	2070.2	2050.2	2011.0	1951.0	1926.0	1763.3
27.5°	1966.7	1972.4	2015.3	2055.2	2125.9	2154.5	2150.9	2148.8	2087.4	2062.4	1883.9
30°	1986.7	1986.7	2016.0	2084.5	2173.7	2248.7	2265.1	2310.8	2292.3	2274.4	2086.7
32.5°	1926.7	1937.5	1989.6	2085.2	2226.6	2335.8	2410.0	2537.1	2610.6	2595.6	2373.6
35°	1814.0	1828.2	1904.6	2051.0	2253.0	2438.6	2571.4	2816.2	2958.3	2976.1	2719.1
37.5°	1726.9	1739.0	1834.7	1997.4	2263.0	2535.0	2757.7	3130.3	3313.8	3304.5	3011.8
40°	1620.5	1641.9	1738.3	1933.9	2239.4	2617.1	2959.7	3418.7	3644.3	3601.5	3290.2
42.5°	1524.8	1543.4	1624.1	1832.5	2206.6	2663.5	3142.5	3715.7	3913.5	3879.2	3553.7
45°	1423.5	1439.9	1514.8	1711.2	2130.2	2686.3	3313.8	3999.8	4171.9	4133.3	3797.8
47.5°	1307.1	1329.2	1418.5	1596.9	2018.1	2672.0	3438.7	4246.8	4417.5	4388.9	3999.8
50°	1013.7	1036.5	1270.0	1489.9	1862.5	2612.8	3550.8	4493.8	4639.5	4612.3	4178.3
52.5°	920.2	930.2	1003.0	1367.1	1700.5	2495.7	3620.8	4697.3	4855.8	4828.7	4346.8
55°	863.1	870.2	910.9	1116.5	1562.7	2307.2	3629.3	4908.6	5037.8	5002.1	4526.0
57.5°	804.5	812.4	857.4	963.0	1424.2	2012.4	3538.7	5087.8	5185.6	5147.0	4697.3
60°	755.3	759.6	803.8	876.6	1267.8	1719.7	3305.2	5209.9	5321.9	5272.0	4865.1
62.5°	710.3	716.0	748.1	814.5	1136.5	1500.6	2979.7	5210.6	5396.9	5366.2	4950.0
65°	651.8	660.3	691.7	751.7	1030.1	1350.7	2642.8	5119.9	5410.5	5364.8	4945.7
67.5°	583.9	594.7	623.2	671.0	888.8	1190.7	2173.0	5000.7	5145.6	5137.8	4741.6
70°	516.1	516.1	548.3	586.8	737.4	1019.4	1716.9	4575.9	4741.6	4753.7	4375.3
72.5°	435.5	436.9	461.9	495.4	593.9	836.7	1250.7	3912.0	4420.3	4273.3	3946.3
75°	365.5	364.1	389.8	417.6	483.3	658.9	816.0	2874.1	4039.8	4072.7	3473.0
77.5°	194.2	187.0	219.9	242.0	283.4	366.2	452.6	1441.3	2925.5	2989.7	2780.5
80°	55.0	55.7	145.6	162.8	186.3	181.3	209.9	549.7	1157.2	1304.2	1621.2
82.5°	32.8	37.8	82.8	97.1	72.8	47.1	80.0	305.5	598.9	671.0	804.5
85°	17.1	18.6	29.3	36.4	27.8	23.6	24.3	128.5	291.3	296.3	321.2
87.5°	7.9	7.9	10.7	11.4	7.1	4.3	2.9	2.1	2.1	1.4	1.4
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°	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7
2.5°	1417.0	1424.2	1412.0	1402.8	1395.6	1391.3	1386.3	1374.2	1377.8	1382.8	1382.1
5°	1424.2	1427.7	1406.3	1377.1	1349.9	1330.7	1317.8	1298.5	1298.5	1306.4	1306.4
7.5°	1430.6	1425.6	1382.1	1332.8	1302.1	1286.4	1265.7	1245.0	1241.4	1247.1	1247.9
10°	1434.2	1412.8	1352.1	1306.4	1266.4	1234.3	1207.9	1184.3	1183.6	1191.5	1192.9
12.5°	1449.9	1408.5	1349.9	1287.1	1227.2	1192.9	1161.5	1135.1	1125.8	1126.5	1127.9
15°	1474.2	1425.6	1347.1	1260.7	1195.7	1150.1	1104.4	1070.8	1062.2	1073.7	1078.0
17.5°	1503.4	1453.4	1333.5	1236.4	1157.2	1102.2	1056.5	1026.6	999.4	987.3	985.1
20°	1542.0	1477.0	1340.7	1200.7	1120.1	1046.5	989.4	953.0	930.2	928.8	927.3
22.5°	1592.7	1503.4	1342.1	1177.2	1061.5	985.1	914.5	893.8	853.1	838.1	844.5
25°	1659.8	1543.4	1338.5	1152.2	1016.6	913.8	828.8	791.0	776.0	758.8	760.3
27.5°	1746.1	1606.9	1347.8	1119.4	943.0	826.7	731.7	691.0	668.2	653.9	656.1
30°	1921.8	1703.3	1347.1	1087.9	875.2	736.7	629.6	602.5	579.7	566.8	573.2
32.5°	2171.6	1912.5	1377.1	1045.8	798.1	616.1	544.0	513.3	494.0	479.7	483.3
35°	2480.7	2140.2	1454.2	988.7	710.3	524.0	474.7	436.9	413.3	407.6	405.5
37.5°	2767.7	2341.5	1527.0	950.9	609.6	473.3	411.2	373.4	352.7	359.8	359.8
40°	3024.0	2608.5	1609.1	890.2	518.3	415.5	340.5	323.4	312.7	324.8	329.1
42.5°	3217.4	2864.8	1720.4	810.2	444.0	346.9	291.3	303.4	307.7	316.2	314.1
45°	3457.3	3011.1	1830.4	736.0	379.1	289.1	281.3	306.3	316.2	324.1	320.5
47.5°	3677.9	3124.6	1808.2	598.9	319.1	279.8	286.3	306.3	323.4	336.2	334.1
50°	3867.8	3266.7	1766.1	465.4	306.3	288.4	291.3	298.4	324.1	332.7	332.7
52.5°	3986.3	3407.3	1714.0	376.2	315.5	299.1	294.1	293.4	310.5	317.0	311.2
55°	4129.1	3553.0	1579.1	349.1	319.1	306.3	302.0	295.5	300.5	295.5	298.4
57.5°	4287.5	3696.4	1372.1	341.2	317.0	304.1	327.0	292.7	289.8	272.0	267.7
60°	4426.7	3752.8	1190.7	323.4	305.5	298.4	304.1	289.1	274.8	251.3	242.0
62.5°	4478.9	3747.8	1006.6	304.8	288.4	289.8	289.1	278.4	265.6	242.0	236.3
65°	4416.0	3633.6	816.0	282.7	274.8	280.6	273.4	257.7	236.3	217.0	212.0
67.5°	4203.3	3342.4	606.1	253.4	252.7	263.4	258.4	237.0	213.4	198.5	198.5
70°	3796.4	2984.0	392.6	210.6	226.3	244.9	244.9	222.0	191.3	178.5	182.0
72.5°	3350.9	2567.8	254.1	156.3	178.5	222.0	220.6	204.9	176.3	159.9	160.6
75°	2902.6	2037.4	164.2	107.8	115.6	189.2	195.6	167.0	137.1	117.1	113.5
77.5°	2206.6	1532.7	104.2	62.8	73.5	115.6	148.5	139.2	139.9	170.6	169.2
80°	1357.1	923.8	75.7	30.7	36.4	75.7	119.9	132.8	186.3	122.8	112.8
82.5°	679.6	431.9	40.0	18.6	20.7	33.6	71.4	159.2	135.6	81.4	77.1
85°	254.1	116.4	12.1	9.3	11.4	17.1	29.3	145.6	86.4	65.0	63.5
87.5°	1.4	2.1	2.1	2.9	4.3	5.0	10.7	69.2	43.5	31.4	30.0
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)