

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: P233467

Luminaire Tested: **VERD-C015-D-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233467
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-C015-D-U-T2-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 750mA LED AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3836 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 30
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

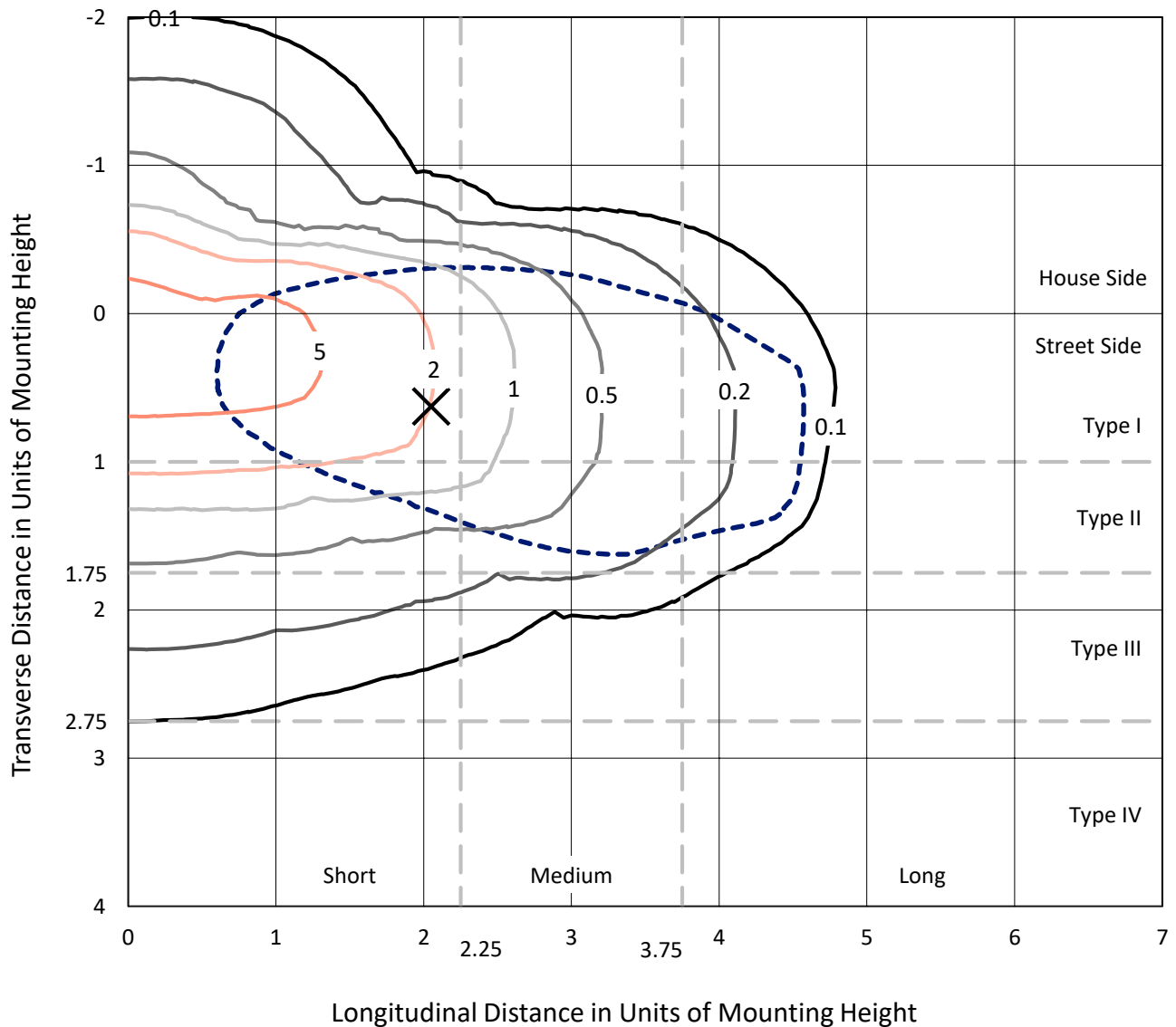


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

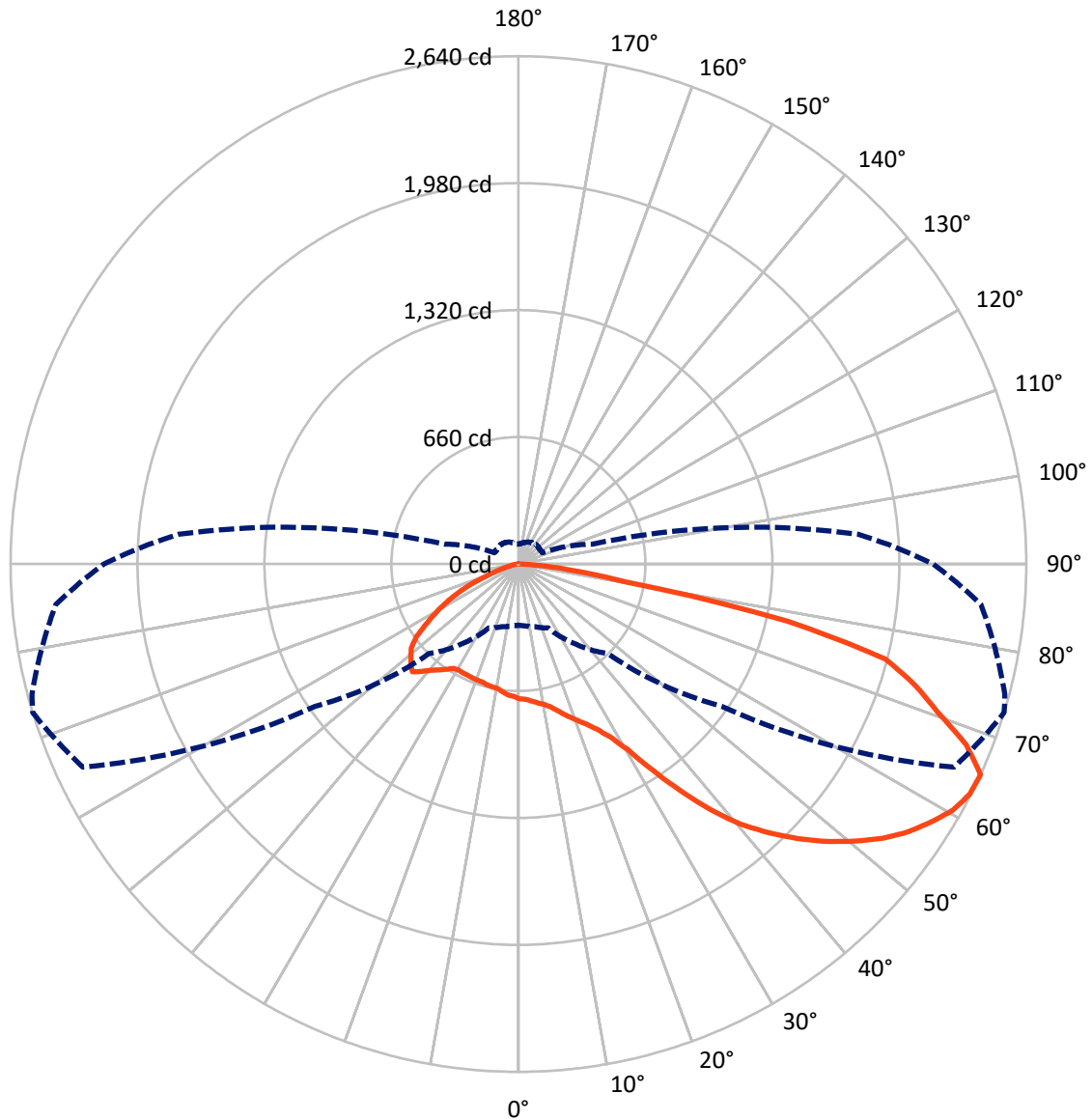


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - Non-Cutoff

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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
House Side	Lumens	983.3	0.0	983.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	2852.7	0.0	2852.7
	% Fixture	74.4	0.0	74.4
Total	Lumens	3836.0	0.0	3836.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	1.7
10°-20°	202.4	5.3
20°-30°	339.5	8.8
30°-40°	497.8	13.0
40°-50°	672.8	17.5
50°-60°	779.4	20.3
60°-70°	761.4	19.8
70°-80°	457.2	11.9
80°-90°	58.6	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°	3836.0	100.0
0°-180°	3836.0	100.0



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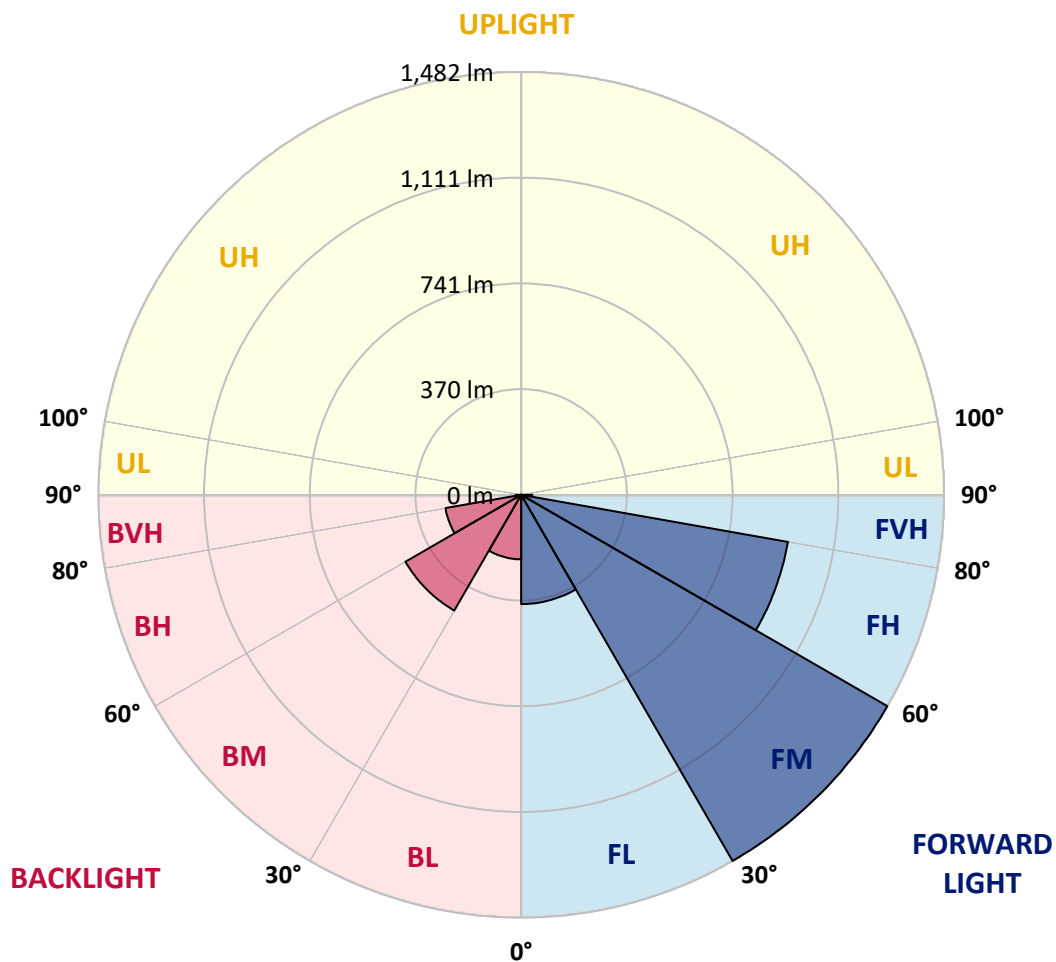
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.8	10.0			
FM	(30°-60°)	1481.6	38.6			
FH	(60°-80°)	949.3	24.7			G1/1800
FVH	(80°-90°)	39.0	1.0			G1/100
BL	(0°-30°)	226.0	5.9	B1/500		
BM	(30°-60°)	468.5	12.2	B1/1000		
BH	(60°-80°)	269.2	7.0	B1/500		G1/500
BVH	(80°-90°)	19.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4
2.5°	744.6	747.4	744.2	735.2	730.7	727.5	718.1	709.8	703.2	702.5	696.2
5°	773.2	777.3	772.1	760.6	756.1	749.5	739.0	727.5	715.7	713.3	700.7
7.5°	809.4	810.1	807.3	795.8	786.4	772.5	754.3	742.2	728.6	724.7	704.9
10°	840.0	839.7	836.2	825.0	815.6	803.5	778.0	758.2	742.2	737.3	709.8
12.5°	869.3	868.6	865.1	853.6	841.8	831.7	812.5	785.7	764.1	757.8	723.7
15°	905.5	903.8	898.2	882.9	873.5	861.6	847.7	820.9	796.1	787.4	743.9
17.5°	933.4	933.0	928.8	915.9	904.8	891.9	879.0	858.1	831.3	821.6	763.7
20°	949.4	948.0	946.9	936.8	934.1	927.1	908.6	892.6	865.8	855.7	786.0
22.5°	966.4	966.8	967.1	961.9	969.9	964.0	950.4	930.9	903.8	892.3	817.4
25°	970.3	971.0	977.9	989.4	999.2	1010.0	1000.2	981.1	951.8	939.6	860.2
27.5°	959.5	962.3	983.2	1002.7	1037.1	1051.1	1049.3	1048.3	1018.3	1006.1	919.1
30°	969.2	969.2	983.5	1016.9	1060.5	1097.0	1105.1	1127.3	1118.3	1109.6	1018.0
32.5°	940.0	945.2	970.6	1017.3	1086.2	1139.5	1175.7	1237.7	1273.6	1266.3	1158.0
35°	884.9	891.9	929.2	1000.6	1099.1	1189.7	1254.5	1373.9	1443.2	1451.9	1326.5
37.5°	842.5	848.4	895.0	974.5	1104.0	1236.7	1345.4	1527.2	1616.7	1612.1	1469.3
40°	790.6	801.0	848.0	943.5	1092.5	1276.7	1443.9	1667.9	1777.9	1757.0	1605.2
42.5°	743.9	753.0	792.3	894.0	1076.5	1299.4	1533.1	1812.7	1909.2	1892.5	1733.7
45°	694.4	702.5	739.0	834.8	1039.2	1310.5	1616.7	1951.3	2035.3	2016.5	1852.8
47.5°	637.7	648.5	692.0	779.1	984.6	1303.6	1677.6	2071.8	2155.1	2141.1	1951.3
50°	494.5	505.7	619.6	726.8	908.6	1274.7	1732.3	2192.3	2263.4	2250.2	2038.4
52.5°	448.9	453.8	489.3	666.9	829.6	1217.5	1766.4	2291.6	2368.9	2355.7	2120.6
55°	421.1	424.5	444.4	544.7	762.4	1125.6	1770.6	2394.7	2457.7	2440.3	2208.0
57.5°	392.5	396.3	418.3	469.8	694.8	981.8	1726.4	2482.1	2529.8	2511.0	2291.6
60°	368.5	370.6	392.1	427.7	618.5	839.0	1612.5	2541.7	2596.3	2572.0	2373.4
62.5°	346.5	349.3	365.0	397.4	554.4	732.1	1453.7	2542.0	2632.9	2617.9	2414.9
65°	318.0	322.1	337.5	366.7	502.5	658.9	1289.3	2497.8	2639.5	2617.2	2412.8
67.5°	284.9	290.1	304.0	327.4	433.6	580.9	1060.1	2439.6	2510.3	2506.5	2313.2
70°	251.8	251.8	267.5	286.3	359.8	497.3	837.6	2232.4	2313.2	2319.1	2134.5
72.5°	212.4	213.1	225.3	241.7	289.8	408.2	610.2	1908.5	2156.5	2084.7	1925.2
75°	178.3	177.6	190.2	203.7	235.8	321.5	398.1	1402.1	1970.8	1986.9	1694.3
77.5°	94.7	91.2	107.3	118.1	138.3	178.7	220.8	703.2	1427.2	1458.5	1356.5
80°	26.8	27.2	71.0	79.4	90.9	88.5	102.4	268.2	564.5	636.3	790.9
82.5°	16.0	18.5	40.4	47.4	35.5	23.0	39.0	149.1	292.2	327.4	392.5
85°	8.4	9.1	14.3	17.8	13.6	11.5	11.8	62.7	142.1	144.5	156.7
87.5°	3.8	3.8	5.2	5.6	3.5	2.1	1.4	1.0	1.0	0.7	0.7
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°	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4
2.5°	691.3	694.8	688.9	684.3	680.9	678.8	676.3	670.4	672.2	674.6	674.2
5°	694.8	696.5	686.1	671.8	658.6	649.2	642.9	633.5	633.5	637.3	637.3
7.5°	697.9	695.5	674.2	650.2	635.2	627.6	617.5	607.4	605.6	608.4	608.8
10°	699.7	689.2	659.6	637.3	617.8	602.2	589.3	577.8	577.4	581.3	582.0
12.5°	707.3	687.1	658.6	627.9	598.7	582.0	566.6	553.7	549.2	549.6	550.3
15°	719.2	695.5	657.2	615.0	583.3	561.1	538.8	522.4	518.2	523.8	525.9
17.5°	733.5	709.1	650.6	603.2	564.5	537.7	515.4	500.8	487.6	481.7	480.6
20°	752.3	720.6	654.0	585.8	546.4	510.6	482.7	464.9	453.8	453.1	452.4
22.5°	777.0	733.5	654.7	574.3	517.9	480.6	446.1	436.0	416.2	408.9	412.0
25°	809.7	753.0	653.0	562.1	495.9	445.8	404.3	385.9	378.6	370.2	370.9
27.5°	851.9	783.9	657.5	546.1	460.1	403.3	357.0	337.1	326.0	319.0	320.1
30°	937.5	831.0	657.2	530.8	427.0	359.4	307.2	293.9	282.8	276.5	279.7
32.5°	1059.4	933.0	671.8	510.2	389.4	300.6	265.4	250.4	241.0	234.0	235.8
35°	1210.2	1044.1	709.4	482.3	346.5	255.6	231.6	213.1	201.6	198.9	197.8
37.5°	1350.2	1142.3	744.9	463.9	297.4	230.9	200.6	182.1	172.0	175.5	175.5
40°	1475.3	1272.6	785.0	434.3	252.8	202.7	166.1	157.8	152.5	158.5	160.6
42.5°	1569.6	1397.6	839.3	395.3	216.6	169.3	142.1	148.0	150.1	154.3	153.2
45°	1686.7	1469.0	893.0	359.1	184.9	141.0	137.2	149.4	154.3	158.1	156.4
47.5°	1794.3	1524.4	882.2	292.2	155.7	136.5	139.7	149.4	157.8	164.0	163.0
50°	1886.9	1593.7	861.6	227.1	149.4	140.7	142.1	145.6	158.1	162.3	162.3
52.5°	1944.7	1662.3	836.2	183.5	153.9	145.9	143.5	143.1	151.5	154.6	151.8
55°	2014.4	1733.3	770.4	170.3	155.7	149.4	147.3	144.2	146.6	144.2	145.6
57.5°	2091.7	1803.3	669.4	166.5	154.6	148.4	159.5	142.8	141.4	132.7	130.6
60°	2159.6	1830.8	580.9	157.8	149.1	145.6	148.4	141.0	134.1	122.6	118.1
62.5°	2185.0	1828.4	491.1	148.7	140.7	141.4	141.0	135.8	129.6	118.1	115.3
65°	2154.4	1772.7	398.1	137.9	134.1	136.9	133.4	125.7	115.3	105.9	103.4
67.5°	2050.6	1630.6	295.7	123.6	123.3	128.5	126.1	115.6	104.1	96.8	96.8
70°	1852.1	1455.8	191.5	102.7	110.4	119.5	119.5	108.3	93.3	87.1	88.8
72.5°	1634.8	1252.7	124.0	76.3	87.1	108.3	107.6	100.0	86.0	78.0	78.4
75°	1416.1	994.0	80.1	52.6	56.4	92.3	95.4	81.5	66.9	57.1	55.4
77.5°	1076.5	747.7	50.8	30.6	35.9	56.4	72.4	67.9	68.3	83.2	82.5
80°	662.1	450.7	36.9	15.0	17.8	36.9	58.5	64.8	90.9	59.9	55.0
82.5°	331.6	210.7	19.5	9.1	10.1	16.4	34.8	77.7	66.2	39.7	37.6
85°	124.0	56.8	5.9	4.5	5.6	8.4	14.3	71.0	42.1	31.7	31.0
87.5°	0.7	1.0	1.0	1.4	2.1	2.4	5.2	33.8	21.2	15.3	14.6
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)