

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: P233519

Luminaire Tested: **VERD-C015-D-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233519
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-C015-D-U-T3-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 750mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3830 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-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

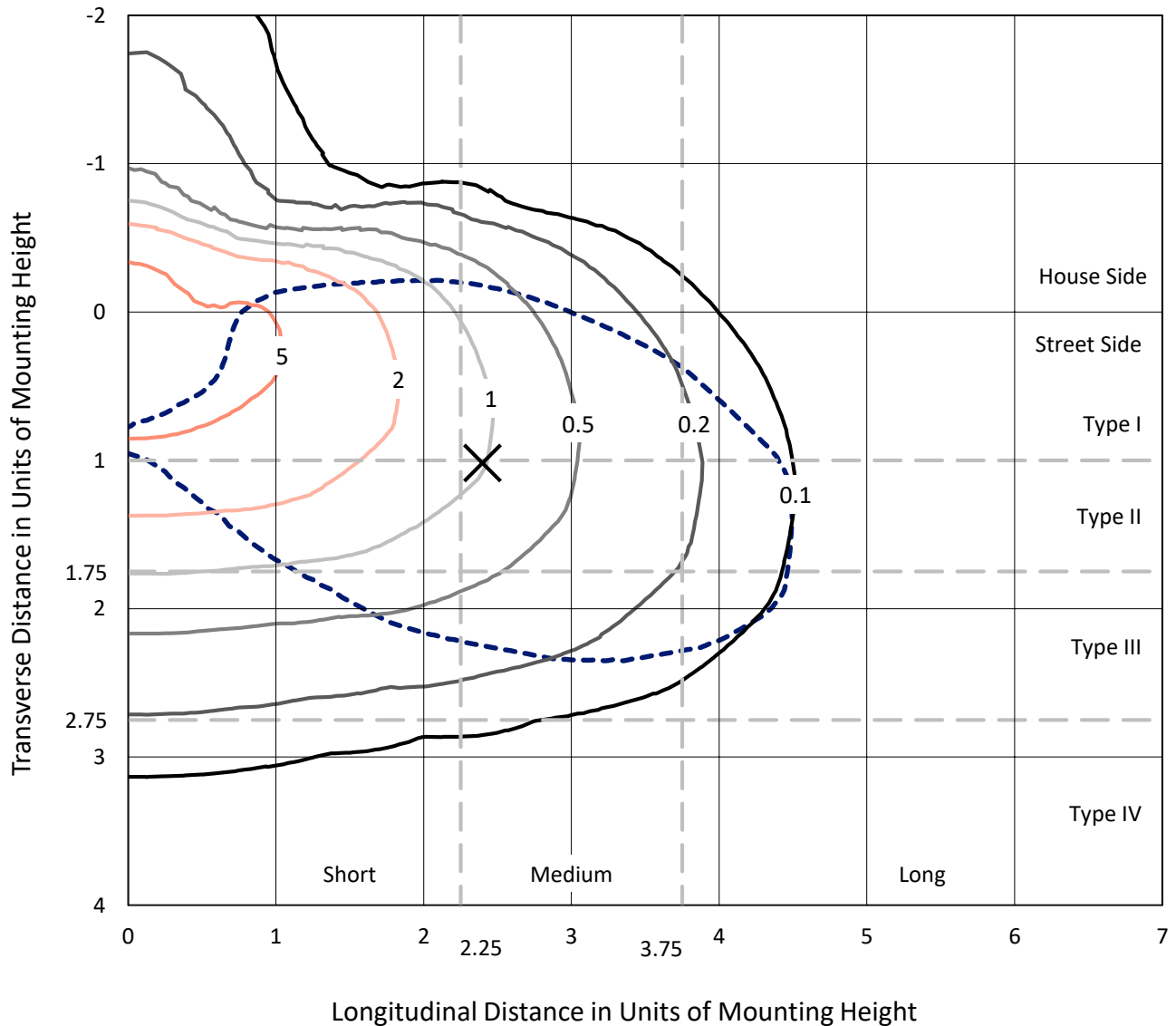


REPORT NUMBER: P233519

CATALOG NUMBER: VERD-C015-D-U-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

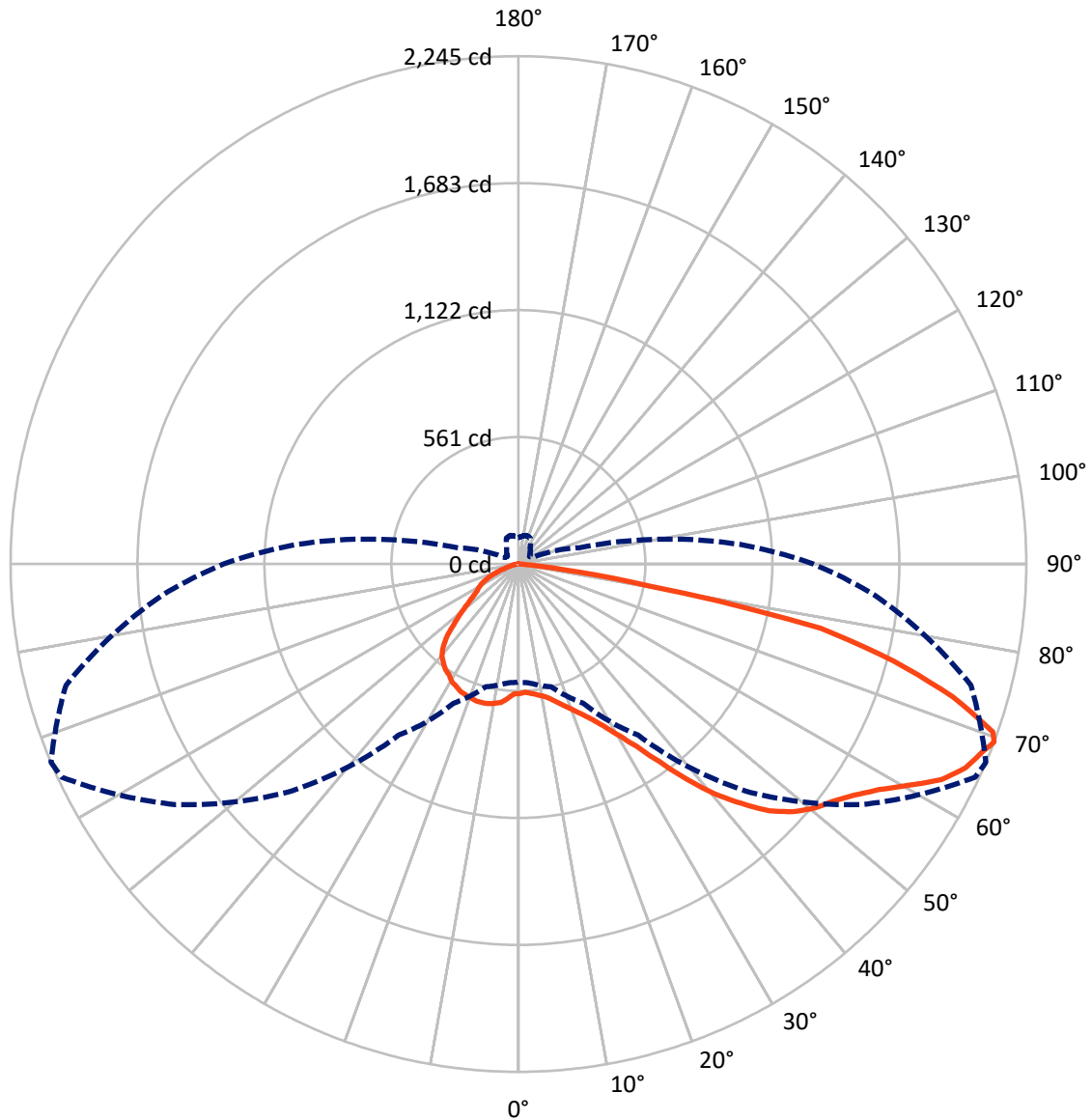


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P233519

CATALOG NUMBER: VERD-C015-D-U-T3-7030

Luminous Intensity Polar Plot



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



REPORT NUMBER: P233519

CATALOG NUMBER: VERD-C015-D-U-T3-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	862.5	0.0	862.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	2967.5	0.0	2967.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	3830.0	0.0	3830.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.5
10°-20°	184.9	4.8
20°-30°	318.6	8.3
30°-40°	473.8	12.4
40°-50°	652.6	17.0
50°-60°	780.1	20.4
60°-70°	823.2	21.5
70°-80°	493.3	12.9
80°-90°	45.4	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°	3830.0	100.0
0°-180°	3830.0	100.0



REPORT NUMBER: P233519

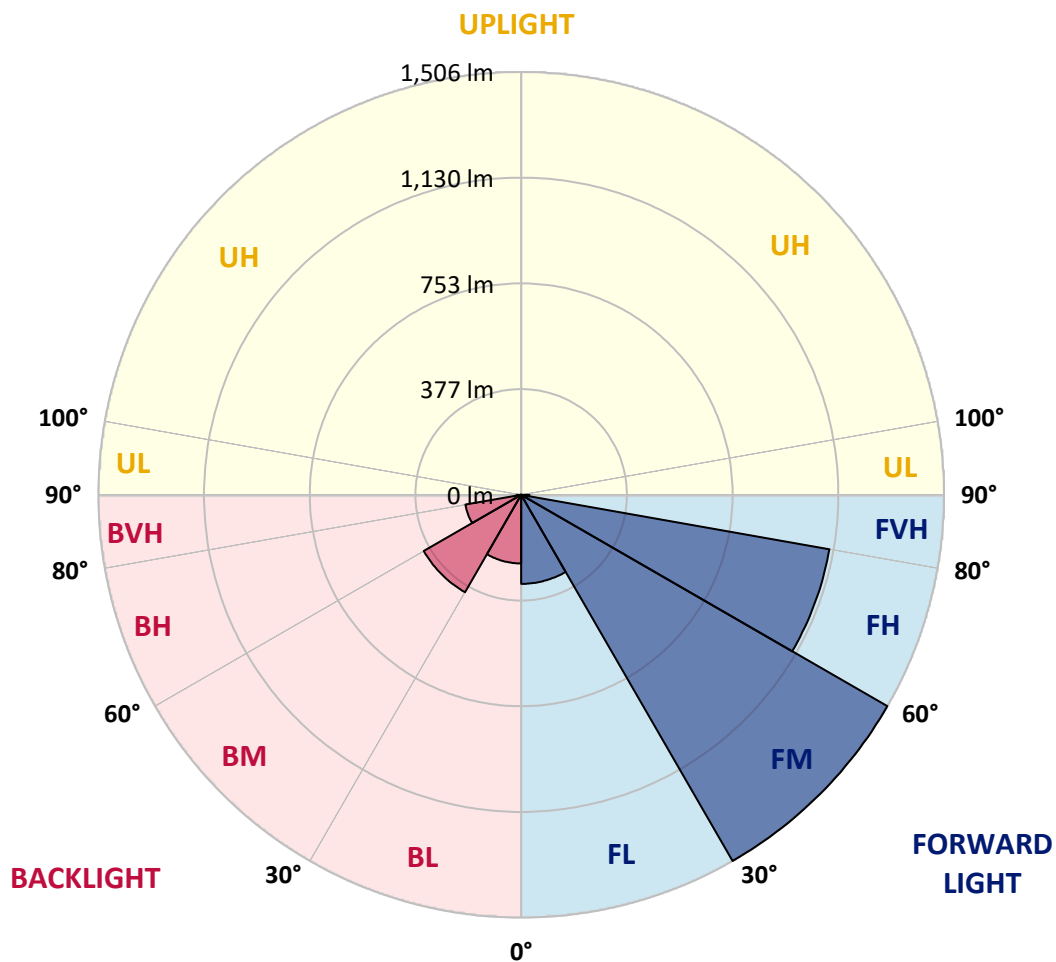
CATALOG NUMBER: VERD-C015-D-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.1	8.3			
FM	(30°-60°)	1506.1	39.3			
FH	(60°-80°)	1114.9	29.1			G1/1800
FVH	(80°-90°)	29.3	0.8			G1/100
BL	(0°-30°)	244.4	6.4	B1/500		
BM	(30°-60°)	400.4	10.5	B1/1000		
BH	(60°-80°)	201.7	5.3	B1/500		G1/500
BVH	(80°-90°)	16.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P233519

CATALOG NUMBER: VERD-C015-D-U-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9
2.5°	582.3	581.9	580.2	573.9	573.2	572.5	568.4	568.7	567.7	568.7	569.1
5°	598.3	596.9	595.2	588.6	586.1	583.0	576.7	576.4	573.9	574.6	575.3
7.5°	618.2	616.8	615.4	607.7	605.3	599.7	590.0	585.1	583.0	583.7	584.7
10°	645.0	642.5	640.5	629.3	625.5	616.1	604.2	595.9	593.1	594.1	596.9
12.5°	675.6	672.5	669.0	657.5	652.3	637.7	623.7	612.9	608.8	611.2	613.3
15°	707.3	705.6	704.2	690.6	683.3	667.3	649.9	636.3	632.4	634.5	635.6
17.5°	749.1	748.1	745.6	731.7	717.8	699.3	676.7	662.4	658.6	659.6	657.2
20°	794.7	791.9	790.6	774.9	760.3	734.8	708.7	688.5	687.5	687.8	680.2
22.5°	845.9	842.8	840.0	825.7	807.6	778.0	743.9	721.2	721.9	722.6	705.6
25°	898.2	895.7	893.3	879.7	861.6	829.2	788.1	762.7	762.3	762.7	739.0
27.5°	952.8	950.1	949.7	938.6	920.5	887.4	840.0	814.2	814.2	812.8	777.0
30°	1001.6	1004.4	1004.4	998.1	981.1	948.0	903.4	877.6	881.1	878.3	832.7
32.5°	1054.9	1054.2	1059.1	1054.2	1040.3	1009.6	972.3	956.0	961.9	971.0	925.3
35°	1085.9	1090.8	1102.9	1109.9	1103.3	1078.2	1051.1	1063.6	1071.6	1112.3	1057.7
37.5°	1121.7	1125.9	1142.6	1159.7	1162.5	1148.9	1148.9	1190.0	1205.7	1259.0	1195.2
40°	1146.5	1150.7	1168.8	1188.6	1215.8	1225.2	1249.6	1313.3	1335.6	1371.5	1297.6
42.5°	1131.8	1133.9	1172.9	1221.4	1261.4	1306.7	1345.3	1426.1	1447.4	1472.4	1381.9
45°	1106.1	1109.9	1153.1	1231.1	1300.1	1389.9	1438.7	1532.3	1556.7	1554.3	1446.7
47.5°	1077.5	1083.4	1131.5	1218.6	1333.1	1462.0	1524.0	1621.5	1635.4	1618.0	1491.6
50°	1045.8	1055.9	1107.1	1206.0	1357.2	1525.0	1587.4	1688.4	1695.7	1660.2	1531.0
52.5°	1009.6	1016.2	1073.0	1182.0	1373.9	1566.8	1637.9	1738.2	1741.3	1712.4	1572.4
55°	959.5	965.4	1028.4	1150.0	1376.3	1591.6	1670.3	1791.5	1801.9	1773.7	1610.0
57.5°	905.5	912.8	977.6	1103.6	1354.0	1601.7	1709.3	1860.1	1880.3	1839.9	1640.3
60°	842.8	852.2	917.7	1047.2	1310.2	1617.3	1782.1	1960.0	1985.1	1914.7	1669.2
62.5°	777.7	782.9	843.1	969.2	1241.9	1625.3	1848.2	2074.2	2098.3	1985.4	1682.8
65°	686.1	694.4	748.1	875.5	1145.8	1590.9	1879.2	2154.0	2171.4	2042.9	1669.6
67.5°	588.9	588.9	634.5	763.4	1017.6	1499.6	1866.7	2192.3	2213.2	2083.3	1627.8
69°	521.7	526.9	561.7	679.1	923.6	1418.5	1853.1	2227.5	2244.5	2070.4	1579.7
70°	470.2	474.7	509.9	617.8	853.6	1354.4	1823.8	2211.8	2224.3	2030.7	1529.2
72.5°	345.8	349.7	374.0	430.5	641.8	1092.8	1644.5	1999.7	2007.4	1826.3	1349.2
75°	235.8	237.9	256.3	290.8	374.4	764.1	1343.6	1689.1	1711.7	1583.9	1104.7
77.5°	81.5	87.8	98.9	133.7	160.2	300.2	910.7	1331.1	1364.8	1226.6	772.8
80°	27.9	27.5	52.9	68.6	84.3	137.9	288.0	557.9	589.6	505.7	278.3
82.5°	20.9	21.6	35.2	38.0	25.8	50.8	112.1	170.6	187.0	163.3	115.3
85°	13.2	12.9	15.7	16.4	11.8	21.6	27.2	27.5	28.6	24.7	25.1
87.5°	7.3	7.3	7.0	5.9	3.1	2.8	2.4	2.4	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P233519

CATALOG NUMBER: VERD-C015-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9
2.5°	567.3	572.2	573.2	574.6	578.1	582.6	588.9	588.9	591.3	598.7	601.1
5°	575.3	581.2	588.9	596.9	606.3	616.4	626.5	630.0	634.9	644.6	646.7
7.5°	587.5	594.1	607.4	618.2	626.2	636.3	644.6	646.0	652.3	661.3	663.1
10°	600.1	606.0	619.2	624.8	635.6	646.7	650.9	653.0	658.2	665.2	664.1
12.5°	617.1	618.9	628.3	632.1	637.3	644.3	646.4	646.4	649.5	660.7	661.0
15°	633.8	633.8	635.2	633.1	633.8	637.3	637.7	633.1	636.6	642.2	640.1
17.5°	651.6	646.7	640.5	631.4	623.4	623.0	615.7	604.9	601.8	609.8	609.5
20°	668.3	660.0	645.0	624.4	613.3	598.3	579.9	573.6	573.2	574.6	573.6
22.5°	690.3	673.2	646.0	617.8	587.2	563.5	548.2	526.9	526.2	523.1	518.2
25°	716.4	692.0	650.6	610.5	565.9	535.3	498.4	475.7	462.8	465.6	457.3
27.5°	750.2	720.6	652.3	594.5	536.7	484.8	440.2	410.9	399.8	394.9	389.4
30°	796.5	750.9	664.8	580.9	500.5	431.8	377.2	334.7	318.7	322.8	323.5
32.5°	870.7	808.3	671.4	554.1	458.7	374.0	303.0	257.0	247.6	259.5	262.6
35°	999.9	897.5	687.1	538.1	410.9	306.5	225.3	206.5	208.6	218.7	219.4
37.5°	1127.0	1010.3	735.5	503.2	353.8	227.1	174.8	164.7	174.8	187.7	189.5
40°	1216.1	1098.4	778.4	468.8	273.7	164.4	133.4	121.2	135.8	156.4	160.2
42.5°	1295.2	1168.4	808.7	421.0	187.4	117.4	95.8	98.9	120.5	135.5	139.0
45°	1351.9	1216.5	829.6	359.1	119.5	88.8	85.7	95.8	116.3	128.2	129.2
47.5°	1387.8	1244.7	814.2	282.8	89.9	83.9	84.3	97.2	117.7	130.9	130.6
50°	1420.2	1259.7	764.4	224.3	85.3	80.4	86.0	101.0	122.2	134.4	133.7
52.5°	1454.7	1274.3	703.8	175.9	81.8	78.7	88.1	103.4	122.2	129.9	128.9
55°	1484.3	1287.2	658.2	141.4	79.4	78.4	90.2	107.3	121.5	124.7	122.6
57.5°	1499.6	1265.2	608.8	118.8	77.0	78.4	91.6	106.6	125.7	135.8	133.7
60°	1491.3	1244.7	568.7	110.4	73.5	78.0	92.3	114.2	154.3	163.7	163.0
62.5°	1475.9	1222.0	512.6	99.3	69.7	78.7	91.9	121.2	177.6	174.5	165.8
65°	1444.6	1176.8	436.0	86.4	65.8	80.1	91.9	136.5	155.0	151.5	147.7
67.5°	1377.7	1078.9	349.0	74.2	61.6	75.9	90.5	129.9	133.4	124.3	119.8
69°	1302.8	985.6	276.2	67.6	59.2	73.8	90.2	125.4	131.3	121.5	116.3
70°	1244.3	912.8	223.2	62.7	56.8	73.1	89.9	122.2	130.2	119.5	113.9
72.5°	1036.4	737.6	117.0	50.5	48.4	66.5	86.7	119.5	130.6	114.6	106.6
75°	814.2	524.8	77.7	38.7	37.3	58.2	79.4	114.9	122.9	103.1	90.9
77.5°	502.2	229.9	53.6	26.8	27.2	45.3	68.3	102.7	124.0	104.1	88.5
80°	145.9	88.8	34.1	18.1	16.7	26.8	53.6	88.5	117.7	106.9	96.5
82.5°	84.3	57.8	23.0	11.5	10.1	12.2	33.8	68.6	103.8	97.9	100.0
85°	19.2	16.0	8.4	5.6	5.6	7.0	11.5	39.7	71.7	83.9	94.7
87.5°	2.1	2.1	2.1	2.1	2.1	1.7	2.1	10.8	31.3	44.6	51.9
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)