

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: P233688

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-32)
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-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 750mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3572 lumens
Efficiency: N/A
Efficacy: 119.1 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

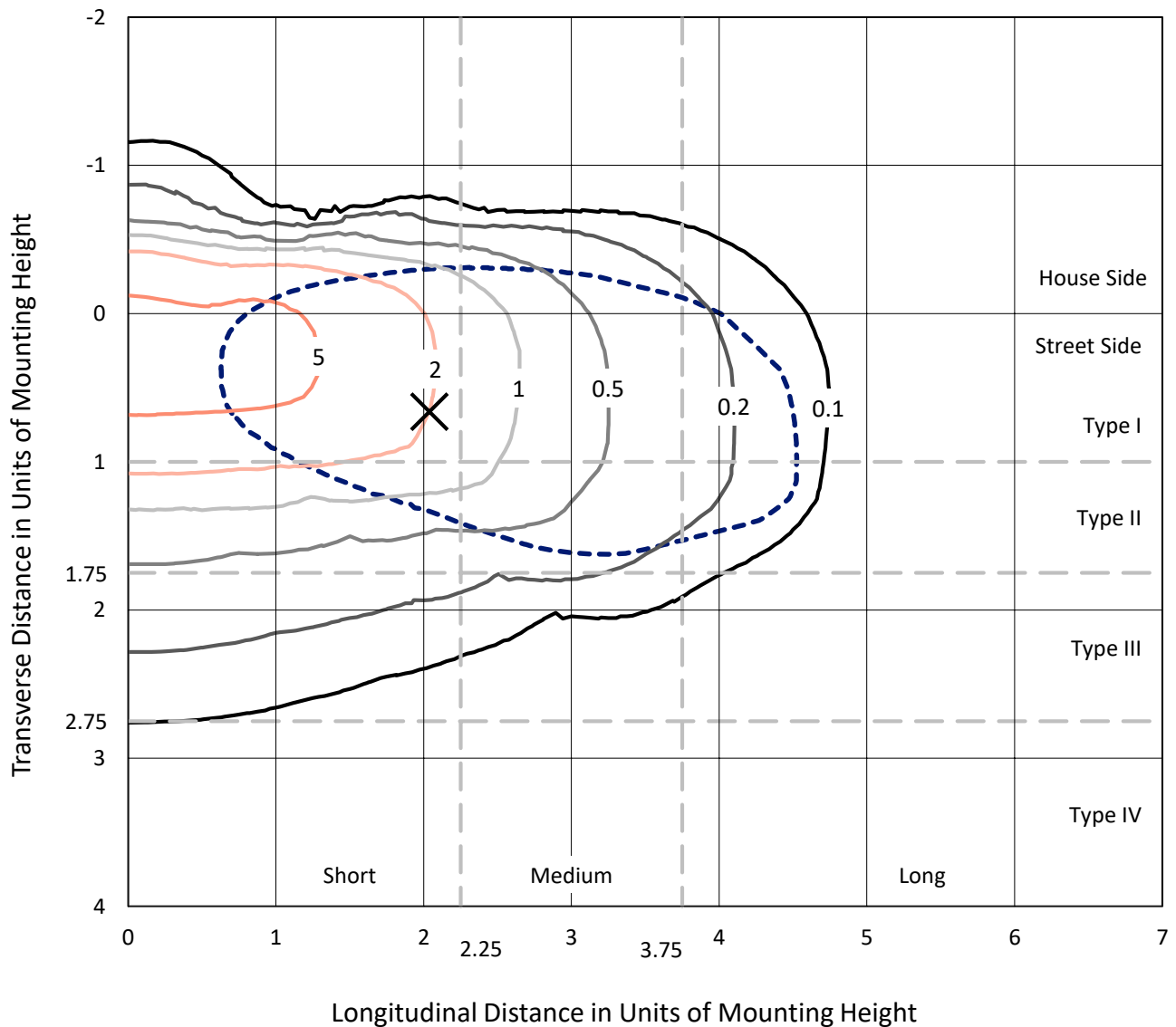


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

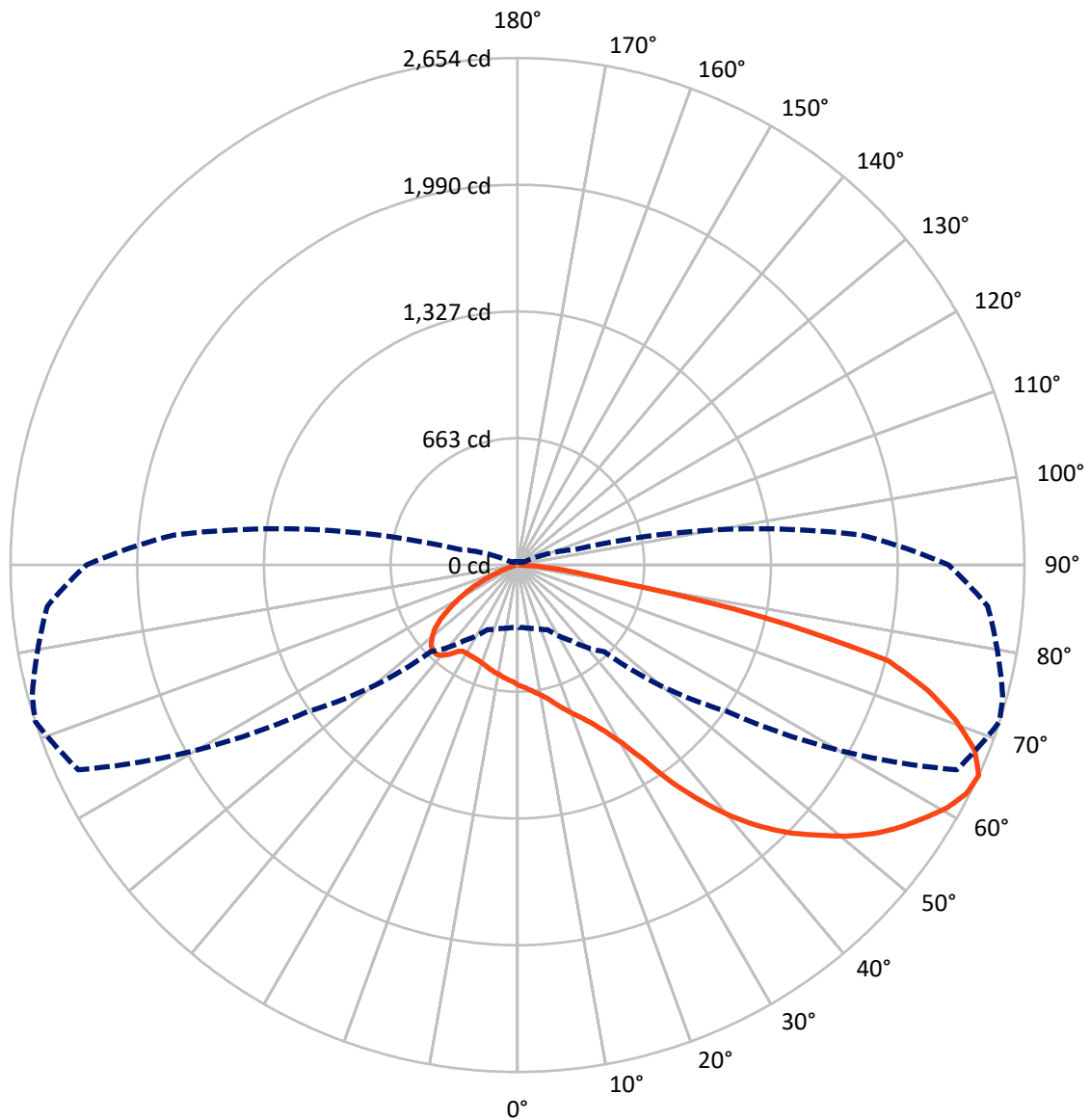


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	742.3	0.0	742.3
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	2829.7	0.0	2829.7
	% Fixture	79.2	0.0	79.2
Total	Lumens	3572.0	0.0	3572.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	1.7
10°-20°	183.2	5.1
20°-30°	306.1	8.6
30°-40°	452.7	12.7
40°-50°	625.9	17.5
50°-60°	732.4	20.5
60°-70°	728.0	20.4
70°-80°	436.0	12.2
80°-90°	47.5	1.3
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°	3572.0	100.0
0°-180°	3572.0	100.0



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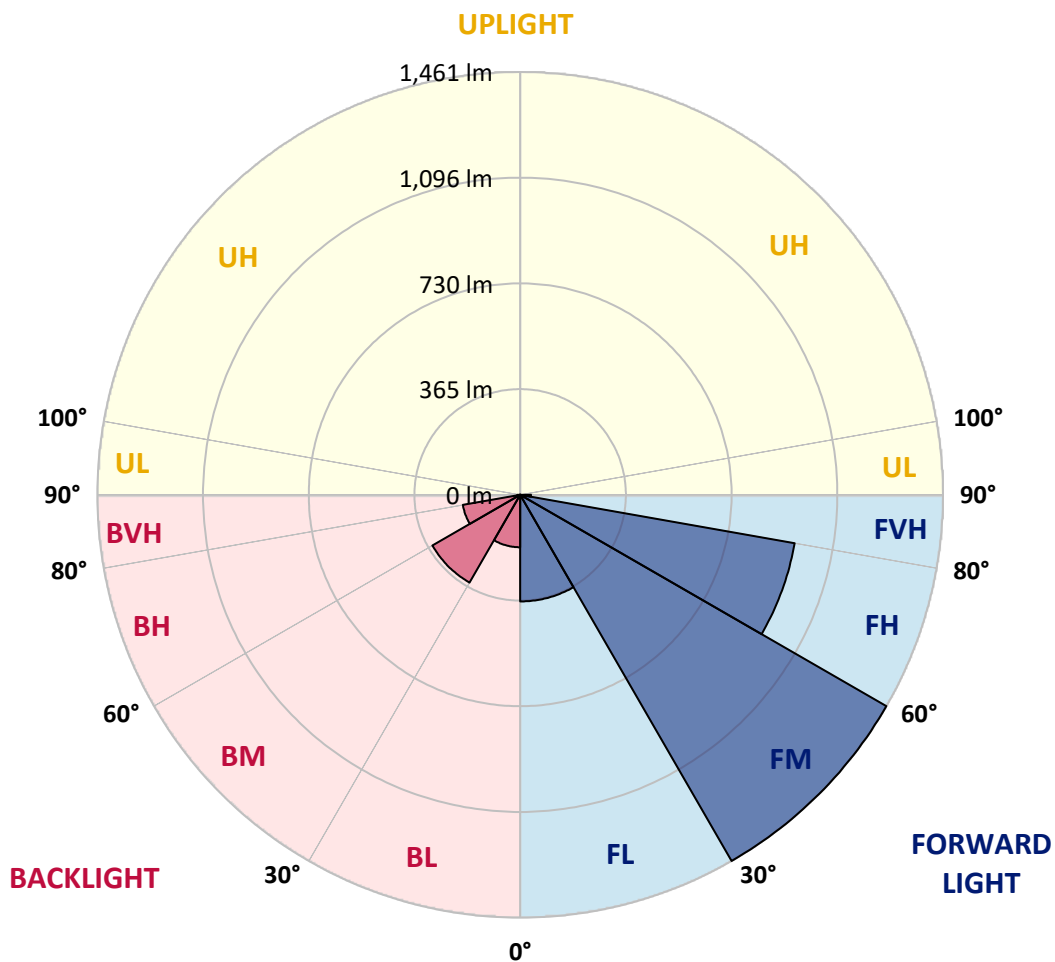
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.3	10.3			
FM (30°-60°)	1460.8	40.9			
FH (60°-80°)	963.0	27.0			G1/1800
FVH (80°-90°)	37.5	1.1			G1/100
BL (0°-30°)	181.2	5.1	B1/500		
BM (30°-60°)	350.2	9.8	B1/1000		
BH (60°-80°)	201.0	5.6	B1/500		G1/500
BVH (80°-90°)	9.9	0.3			G0/10
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°	72°	75°	85°
0°	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5
2.5°	682.6	683.2	683.4	672.7	666.8	660.1	653.7	646.7	639.4	636.8	627.2
5°	724.5	725.1	723.4	713.5	702.7	692.8	680.5	668.0	655.8	652.3	635.9
7.5°	765.1	764.8	763.3	750.8	737.4	724.3	707.1	690.2	674.1	668.6	644.4
10°	798.6	799.2	800.0	786.6	773.5	757.8	736.8	711.7	693.4	684.6	653.1
12.5°	835.3	833.5	835.9	822.8	804.7	790.4	771.5	742.0	720.2	709.1	670.0
15°	877.3	877.3	874.1	863.3	844.9	827.4	808.5	781.4	755.1	738.2	692.8
17.5°	906.1	904.4	903.5	894.2	878.4	863.3	848.7	821.0	792.5	771.8	714.1
20°	918.4	918.9	923.0	916.3	907.9	898.8	882.8	861.2	829.8	807.6	736.8
22.5°	942.0	942.5	947.5	942.8	940.5	938.2	923.3	904.4	870.9	849.6	765.3
25°	943.4	944.0	957.4	965.0	976.9	982.5	972.3	956.0	921.9	901.2	807.9
27.5°	947.8	949.5	963.2	984.2	1015.7	1026.8	1020.9	1020.4	991.5	969.7	863.3
30°	944.0	945.8	965.6	994.7	1038.4	1071.1	1077.8	1095.0	1083.3	1067.0	940.2
32.5°	917.2	923.6	947.2	993.6	1058.0	1117.1	1138.7	1197.6	1215.1	1216.8	1094.7
35°	868.5	872.0	914.9	980.1	1071.1	1160.6	1220.0	1328.7	1402.7	1399.5	1265.8
37.5°	831.5	832.7	876.7	957.4	1078.4	1207.2	1312.7	1486.7	1571.8	1575.6	1420.2
40°	784.0	792.5	834.7	930.0	1074.3	1246.5	1404.8	1633.9	1733.0	1728.9	1555.8
42.5°	739.7	744.7	786.6	887.2	1059.4	1276.5	1495.1	1776.4	1873.7	1860.3	1685.7
45°	693.7	702.1	740.6	831.8	1030.0	1293.5	1577.0	1911.6	2000.8	1984.2	1800.3
47.5°	647.6	653.7	694.5	781.1	974.6	1292.9	1657.5	2038.4	2113.6	2101.9	1908.7
50°	492.8	506.2	613.5	728.0	896.8	1268.4	1722.5	2158.8	2231.9	2213.9	2014.5
52.5°	451.7	456.1	486.1	666.5	813.7	1210.1	1773.2	2271.9	2336.3	2315.6	2114.2
55°	427.0	432.2	444.5	541.8	745.5	1114.2	1794.2	2377.4	2425.4	2404.5	2203.1
57.5°	394.0	399.3	423.5	466.6	674.4	968.2	1763.3	2470.9	2504.4	2481.4	2285.5
60°	371.3	373.6	397.0	430.8	596.6	820.7	1660.1	2547.0	2582.0	2554.6	2367.2
62.5°	350.3	352.9	369.6	403.1	532.2	712.6	1499.5	2565.6	2637.0	2615.8	2441.8
65°	326.1	328.5	343.6	373.3	482.3	642.1	1334.0	2537.1	2653.9	2629.8	2470.6
67.5°	294.1	297.3	309.2	336.0	417.1	562.2	1087.7	2484.3	2579.9	2554.8	2411.5
70°	254.4	255.9	270.2	294.4	352.4	487.9	853.1	2296.6	2433.3	2405.6	2244.7
72.5°	205.5	208.1	223.5	248.9	289.4	401.9	609.4	1984.5	2247.7	2237.2	2002.0
75°	137.3	147.5	184.2	209.8	239.3	313.9	409.2	1392.8	2006.6	2014.8	1710.2
77.5°	26.2	27.1	77.2	114.8	139.9	191.8	253.3	684.3	1322.6	1465.7	1289.7
80°	17.2	18.7	32.9	80.4	92.7	95.0	130.0	299.9	498.4	630.4	743.8
82.5°	9.0	10.8	19.8	46.6	42.6	23.6	42.6	154.8	276.3	317.4	375.1
85°	3.8	4.4	9.6	16.0	11.9	9.9	9.9	61.8	122.4	141.6	147.2
87.5°	0.6	0.6	2.0	2.9	1.7	1.2	0.9	0.3	0.3	0.3	0.3
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°	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5
2.5°	627.2	622.0	614.7	606.2	600.1	596.9	594.3	587.3	584.9	589.6	588.4
5°	629.8	623.7	607.1	593.4	579.7	571.2	561.9	549.7	544.4	547.3	546.5
7.5°	631.6	624.0	599.2	577.9	554.9	538.9	526.6	510.6	502.8	505.7	502.2
10°	634.2	622.8	589.9	561.6	531.6	508.3	490.2	471.6	463.4	465.7	462.8
12.5°	645.3	626.9	585.5	547.6	510.9	481.8	459.0	439.2	427.6	429.9	427.6
15°	663.3	635.1	579.1	529.9	489.1	455.8	429.6	406.9	393.5	396.7	393.7
17.5°	682.3	645.0	573.3	510.0	465.7	428.7	401.3	382.1	360.5	362.6	358.2
20°	698.6	654.3	570.1	491.4	443.9	399.9	366.9	353.8	324.1	316.5	311.6
22.5°	721.3	668.0	567.5	476.2	416.8	371.0	332.0	307.5	275.4	259.4	257.9
25°	753.7	688.4	567.2	464.3	392.3	340.7	286.2	245.1	216.8	197.9	195.3
27.5°	794.8	715.5	570.4	452.3	367.8	302.5	230.0	184.5	159.1	144.6	141.9
30°	853.9	751.1	574.4	438.6	340.4	253.0	171.4	135.8	114.8	104.3	102.3
32.5°	980.7	842.3	580.6	424.4	307.5	190.6	124.4	98.5	82.5	76.1	79.3
35°	1133.4	966.2	608.0	406.0	264.3	135.8	89.8	70.2	59.2	60.6	62.4
37.5°	1266.9	1084.5	669.5	382.4	206.6	99.7	61.8	52.5	52.5	57.1	61.2
40°	1392.8	1191.2	724.5	350.3	144.9	68.8	47.8	48.7	47.8	50.7	49.8
42.5°	1511.7	1292.3	767.7	312.1	94.7	47.5	43.4	45.2	43.7	44.3	41.7
45°	1624.2	1396.9	791.6	255.9	63.0	41.4	39.9	42.8	42.6	42.0	39.3
47.5°	1728.3	1489.0	803.5	184.5	43.4	37.3	37.6	39.6	40.5	39.9	38.5
50°	1830.3	1580.8	792.7	110.5	39.1	34.1	36.1	36.1	37.9	34.7	33.5
52.5°	1927.9	1672.9	758.6	67.0	35.8	31.8	33.5	32.9	33.8	30.6	30.0
55°	2019.7	1741.4	691.3	52.8	33.8	30.3	30.6	31.2	29.7	26.2	27.4
57.5°	2116.8	1799.7	597.5	47.8	32.9	28.3	28.9	28.6	26.2	23.0	23.0
60°	2196.7	1842.0	503.3	43.4	32.4	27.7	25.6	25.1	21.6	19.8	19.5
62.5°	2251.7	1853.9	411.5	38.8	30.6	25.6	23.0	21.3	18.1	16.3	15.7
65°	2256.1	1802.9	313.3	35.0	28.9	23.9	21.3	17.5	14.3	12.8	12.2
67.5°	2166.6	1661.3	220.9	32.1	25.9	22.2	18.7	14.0	11.4	10.2	9.9
70°	1979.5	1485.2	135.2	28.0	23.6	20.7	19.2	11.4	9.3	7.9	7.9
72.5°	1737.0	1286.5	79.3	23.9	19.8	16.6	12.8	9.6	7.9	6.1	6.1
75°	1488.7	1021.2	48.7	18.1	14.6	13.1	9.9	8.2	6.4	4.7	4.7
77.5°	1072.0	754.0	37.9	11.7	9.0	9.3	7.3	6.4	5.2	3.8	3.8
80°	657.8	459.0	27.1	7.9	5.2	5.2	5.2	5.0	3.8	3.2	2.9
82.5°	333.4	209.8	13.4	4.7	3.2	3.2	3.2	3.5	2.9	2.3	2.3
85°	117.2	58.9	4.1	2.3	2.0	2.0	1.7	1.7	1.5	1.2	1.2
87.5°	0.3	0.6	0.6	0.9	1.2	1.2	0.9	0.6	0.3	0.0	0.0
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)