

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: P233727

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-33)
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-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 750mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3537 lumens
Efficiency: N/A
Efficacy: 117.9 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

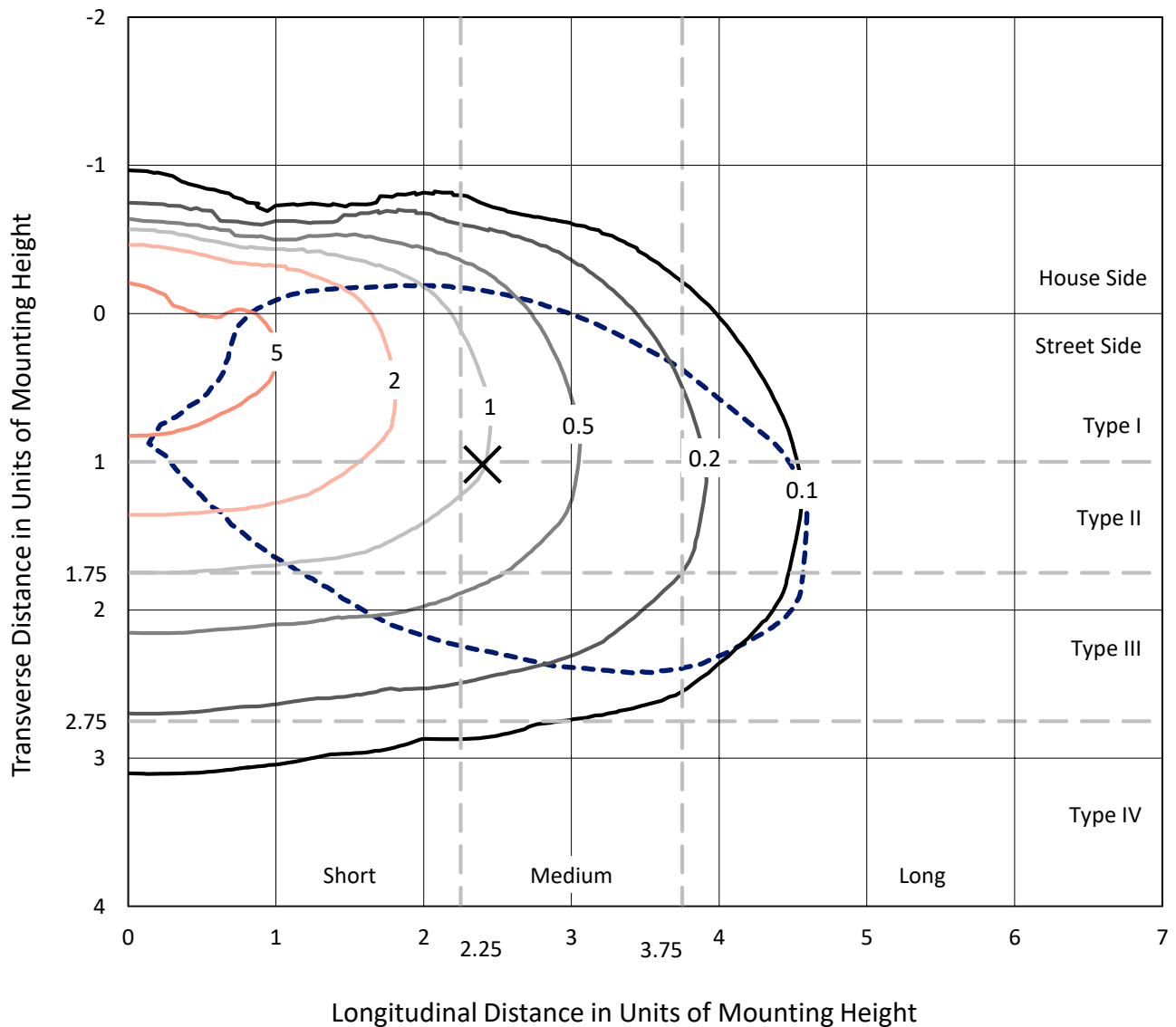
Input Watts (W): 30
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

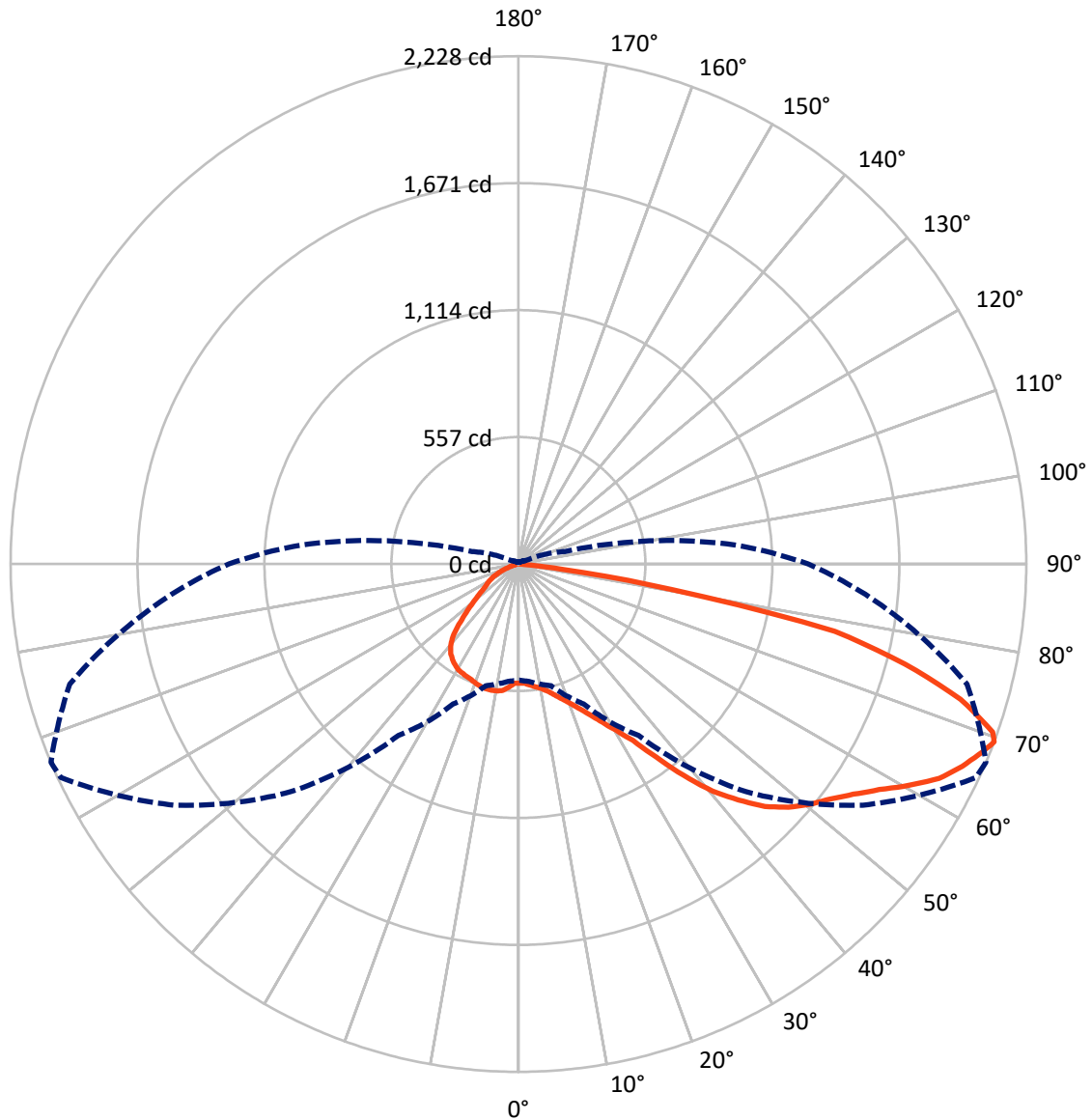
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	637.6	0.0	637.6
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	2899.4	0.0	2899.4
	% Fixture	82.0	0.0	82.0
Total	Lumens	3537.0	0.0	3537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.5
10°-20°	166.0	4.7
20°-30°	283.4	8.0
30°-40°	428.5	12.1
40°-50°	605.4	17.1
50°-60°	731.6	20.7
60°-70°	772.0	21.8
70°-80°	464.7	13.1
80°-90°	32.5	0.9
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°	3537.0	100.0
0°-180°	3537.0	100.0

Coefficient of Utilization



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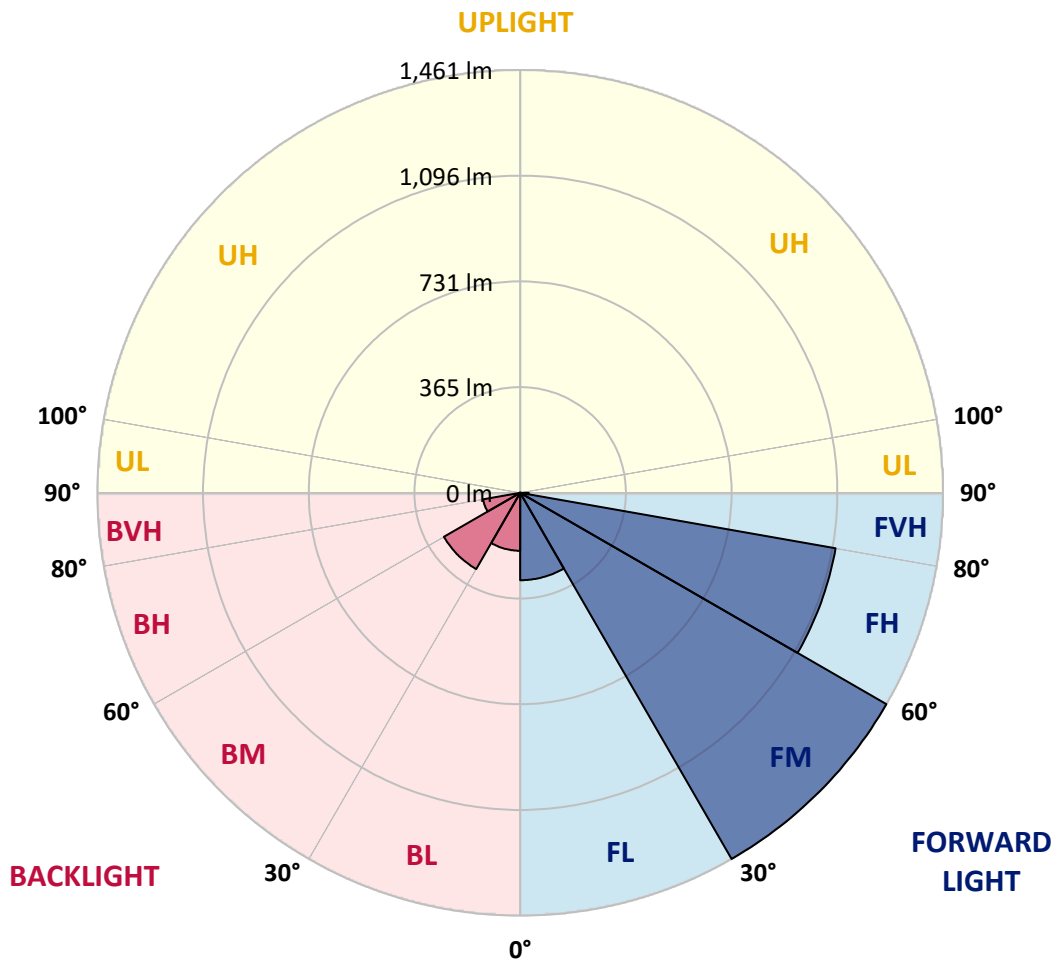
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.0	8.5			
FM	(30°-60°)	1461.3	41.3			
FH	(60°-80°)	1106.7	31.3			G1/1800
FVH	(80°-90°)	29.3	0.8			G1/100
BL	(0°-30°)	200.2	5.7	B1/500		
BM	(30°-60°)	304.2	8.6	B1/1000		
BH	(60°-80°)	130.0	3.7	B1/500		G1/500
BVH	(80°-90°)	3.2	0.1			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1
2.5°	536.6	535.8	535.8	531.0	526.5	525.3	525.0	523.6	523.9	521.9	520.0
5°	552.1	552.1	551.5	545.3	540.5	537.4	535.5	532.9	533.2	531.8	530.1
7.5°	575.5	575.8	574.6	566.5	561.7	554.1	549.6	544.8	544.5	542.8	543.4
10°	604.2	605.1	603.4	593.0	584.8	574.4	564.8	556.3	555.8	553.8	555.5
12.5°	636.6	637.8	633.5	622.8	613.5	597.2	585.6	574.4	572.7	572.4	573.5
15°	673.8	674.4	673.0	657.2	645.9	631.0	612.1	597.8	596.1	596.3	594.9
17.5°	715.3	716.7	713.6	699.5	684.6	664.0	641.4	623.7	622.8	622.0	615.8
20°	759.2	760.6	758.7	745.4	727.7	701.7	674.1	653.8	653.6	651.6	637.2
22.5°	808.8	810.8	809.7	793.6	774.7	746.6	712.2	691.0	690.5	684.3	662.6
25°	862.7	862.1	863.2	846.0	828.3	798.7	756.1	734.2	734.2	726.5	694.4
27.5°	914.8	914.5	916.5	904.4	885.8	857.9	806.6	784.3	786.3	775.3	732.7
30°	965.5	965.5	970.3	962.4	948.6	919.3	869.2	845.8	848.3	836.7	781.2
32.5°	1012.9	1015.1	1023.3	1018.5	1008.1	981.6	938.8	917.3	923.3	928.1	871.4
35°	1047.8	1050.1	1069.0	1070.7	1068.1	1050.4	1018.5	1032.3	1039.4	1077.1	1014.0
37.5°	1078.5	1081.4	1103.9	1118.0	1126.2	1115.2	1117.2	1163.4	1176.6	1221.2	1135.8
40°	1101.1	1107.3	1129.6	1149.0	1177.8	1190.7	1222.8	1288.5	1309.9	1327.7	1219.5
42.5°	1085.6	1089.8	1129.0	1181.1	1223.1	1268.8	1320.9	1399.0	1415.0	1409.4	1293.3
45°	1062.8	1067.8	1109.0	1189.6	1259.2	1350.2	1413.9	1498.5	1516.8	1485.5	1357.0
47.5°	1037.1	1044.2	1088.7	1178.3	1289.4	1425.2	1498.2	1583.9	1594.6	1553.4	1410.5
50°	1011.2	1019.1	1069.5	1169.0	1312.7	1487.8	1559.6	1653.5	1656.6	1609.8	1458.7
52.5°	976.2	984.4	1039.7	1149.6	1329.1	1528.9	1613.5	1710.7	1712.7	1670.7	1504.4
55°	932.0	942.4	1000.8	1120.8	1333.0	1552.9	1647.6	1770.1	1783.4	1736.6	1541.9
57.5°	879.9	889.4	953.7	1079.4	1313.3	1561.0	1695.2	1848.8	1867.1	1803.4	1572.9
60°	819.8	830.8	895.4	1025.8	1273.6	1583.9	1774.1	1959.8	1970.8	1873.3	1600.2
62.5°	758.4	766.3	824.9	950.6	1211.6	1597.7	1844.0	2064.1	2071.4	1940.7	1616.6
65°	671.0	680.9	738.1	864.4	1122.2	1571.2	1870.8	2135.4	2139.9	1997.0	1608.7
67.5°	576.1	583.9	625.7	760.4	1005.0	1487.2	1859.8	2183.0	2197.4	2041.0	1572.9
69°	508.7	516.6	552.7	677.2	917.9	1412.8	1844.3	2215.4	2228.1	2037.9	1527.2
70°	456.3	464.2	498.3	615.2	849.7	1349.9	1819.8	2199.1	2207.3	2003.2	1482.7
72.5°	326.4	334.2	362.1	432.6	643.7	1109.5	1667.8	2017.6	2028.6	1836.7	1325.1
75°	170.8	189.7	239.8	279.6	381.3	781.2	1386.6	1735.2	1751.3	1611.8	1089.8
77.5°	22.0	23.1	67.6	113.6	157.5	329.5	985.0	1393.3	1418.7	1289.9	753.6
80°	17.8	18.0	23.4	56.6	78.3	133.6	349.5	652.1	682.9	573.2	277.0
82.5°	12.4	13.0	18.3	29.9	25.6	48.8	121.5	184.3	190.0	164.3	110.5
85°	7.0	7.0	8.7	11.6	8.2	18.3	25.1	26.8	24.0	23.7	17.8
87.5°	2.0	2.3	2.5	2.0	0.8	0.8	1.1	1.1	1.1	0.8	0.8
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°	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1	523.1
2.5°	523.1	522.5	522.8	523.9	525.6	531.8	536.0	536.6	538.6	545.9	545.1
5°	532.1	535.5	537.4	543.4	547.3	555.8	560.8	561.4	564.2	571.8	572.1
7.5°	544.8	550.4	553.2	560.0	561.4	565.3	566.8	565.3	565.6	572.4	573.0
10°	555.8	562.8	562.8	564.5	562.0	562.2	557.7	553.5	551.3	557.2	558.6
12.5°	572.7	574.6	570.1	565.1	557.5	550.7	543.1	536.3	531.0	534.3	532.4
15°	590.1	587.0	576.1	562.8	549.3	537.7	521.9	512.1	502.8	504.8	503.1
17.5°	607.6	597.5	580.3	558.3	538.6	516.6	494.6	479.1	462.2	460.8	458.2
20°	624.5	609.9	581.4	549.0	521.4	490.4	456.3	429.8	404.7	398.2	394.0
22.5°	644.8	623.7	582.8	540.0	502.8	460.5	408.9	367.8	340.7	331.7	327.5
25°	670.7	642.8	586.8	533.2	483.9	423.6	352.8	305.8	276.5	261.0	259.6
27.5°	701.5	666.0	593.5	524.5	457.1	374.3	294.8	245.8	214.5	198.7	193.6
30°	741.8	694.7	599.7	517.7	419.4	320.4	233.9	179.2	142.0	131.9	126.5
32.5°	818.1	741.5	607.6	501.9	374.8	261.5	165.7	110.5	85.1	78.3	78.3
35°	942.4	844.4	627.3	480.2	321.3	190.5	99.5	62.0	50.7	46.8	44.8
37.5°	1054.6	948.1	676.7	446.7	256.2	112.7	56.9	38.3	34.7	35.2	35.2
40°	1133.8	1019.1	731.1	401.3	173.9	60.3	36.1	30.7	31.3	31.6	31.6
42.5°	1201.7	1079.7	760.9	347.5	94.7	39.2	31.0	27.9	28.7	28.5	28.2
45°	1258.6	1129.0	770.8	273.4	45.9	34.7	28.2	25.6	25.6	25.4	25.4
47.5°	1307.4	1172.7	752.5	203.2	37.2	31.8	26.8	23.7	23.4	24.8	24.8
50°	1351.9	1206.5	706.8	153.9	36.1	29.3	25.4	22.0	22.3	24.2	24.2
52.5°	1389.1	1226.5	639.2	115.3	33.5	27.1	23.4	20.6	20.6	22.5	22.5
55°	1416.7	1226.5	587.6	86.2	32.1	24.8	21.7	19.7	18.6	19.2	19.4
57.5°	1430.5	1203.4	546.2	69.9	30.4	22.5	20.0	17.2	15.2	15.8	15.5
60°	1426.9	1190.2	498.6	62.3	28.5	20.9	17.8	14.7	12.7	12.1	12.1
62.5°	1420.1	1175.2	439.1	54.1	26.5	19.4	14.7	11.8	10.7	10.1	10.4
65°	1394.5	1126.7	363.8	45.1	24.5	18.9	12.4	10.4	9.3	8.7	8.7
67.5°	1332.5	1039.4	275.1	38.0	22.8	15.2	10.7	9.0	7.9	7.3	7.3
69°	1271.0	956.0	211.1	34.7	21.7	13.8	9.9	8.2	7.3	6.5	6.5
70°	1218.1	891.4	165.4	32.4	20.9	13.2	9.6	7.9	7.0	6.2	6.2
72.5°	1037.1	707.1	84.0	28.2	17.5	11.6	8.5	7.0	5.9	5.1	5.1
75°	804.6	487.3	55.5	22.3	13.5	10.4	7.6	6.2	5.1	4.2	3.9
77.5°	484.2	190.5	39.7	14.4	8.7	8.2	6.2	5.1	4.2	3.4	3.4
80°	133.6	81.7	26.8	9.6	5.1	5.4	4.5	3.7	3.1	2.5	2.5
82.5°	80.3	53.0	17.8	6.2	3.4	3.4	2.5	2.5	2.0	2.0	2.0
85°	13.8	10.7	4.2	2.5	2.0	2.0	1.4	0.8	0.8	0.8	0.8
87.5°	0.8	0.8	0.8	1.1	1.1	0.8	0.6	0.3	0.0	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)