

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: P233740

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233740  
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-HSS  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 750mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3634 lumens  
Efficiency: N/A  
Efficacy: 121.1 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

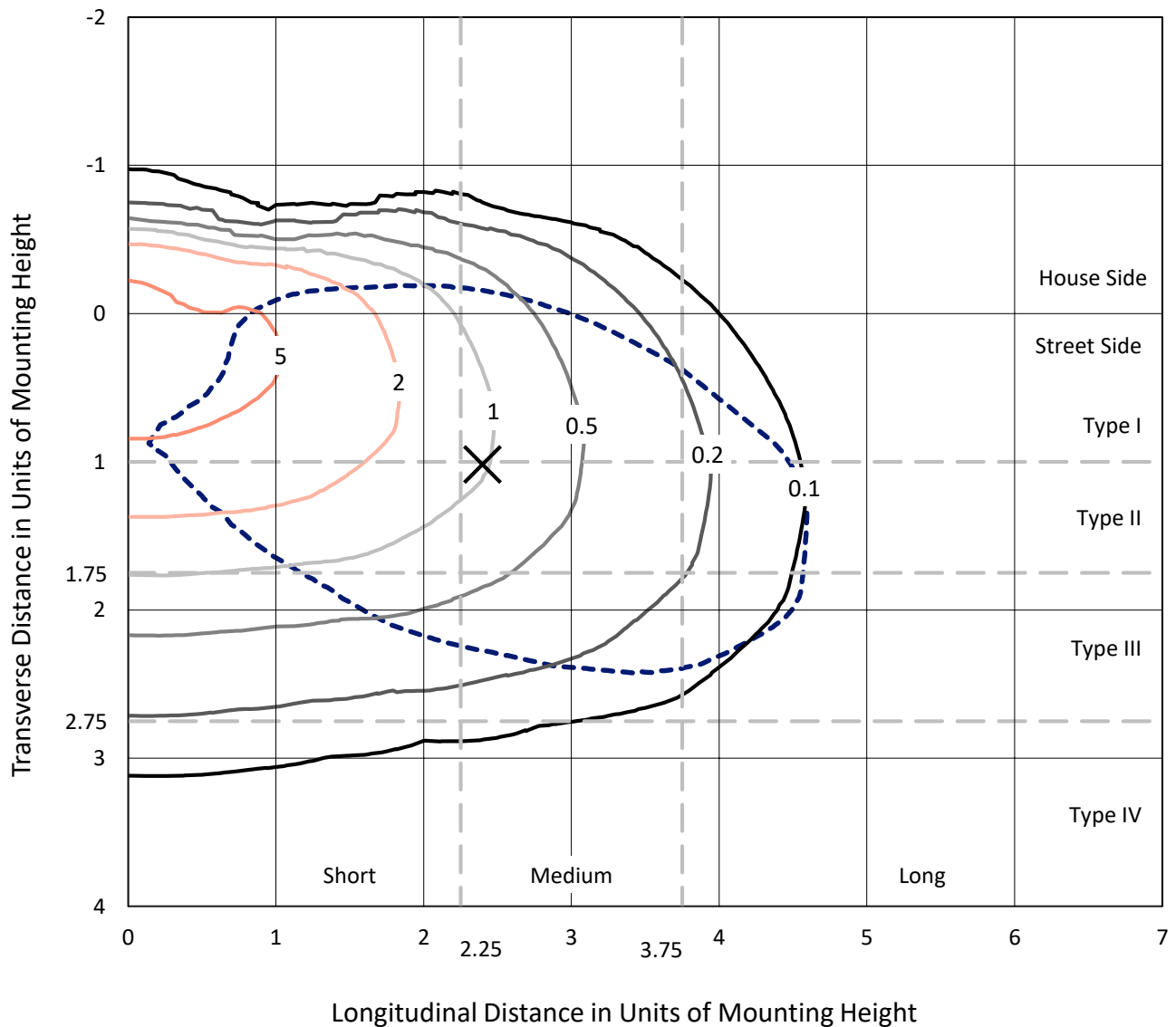


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

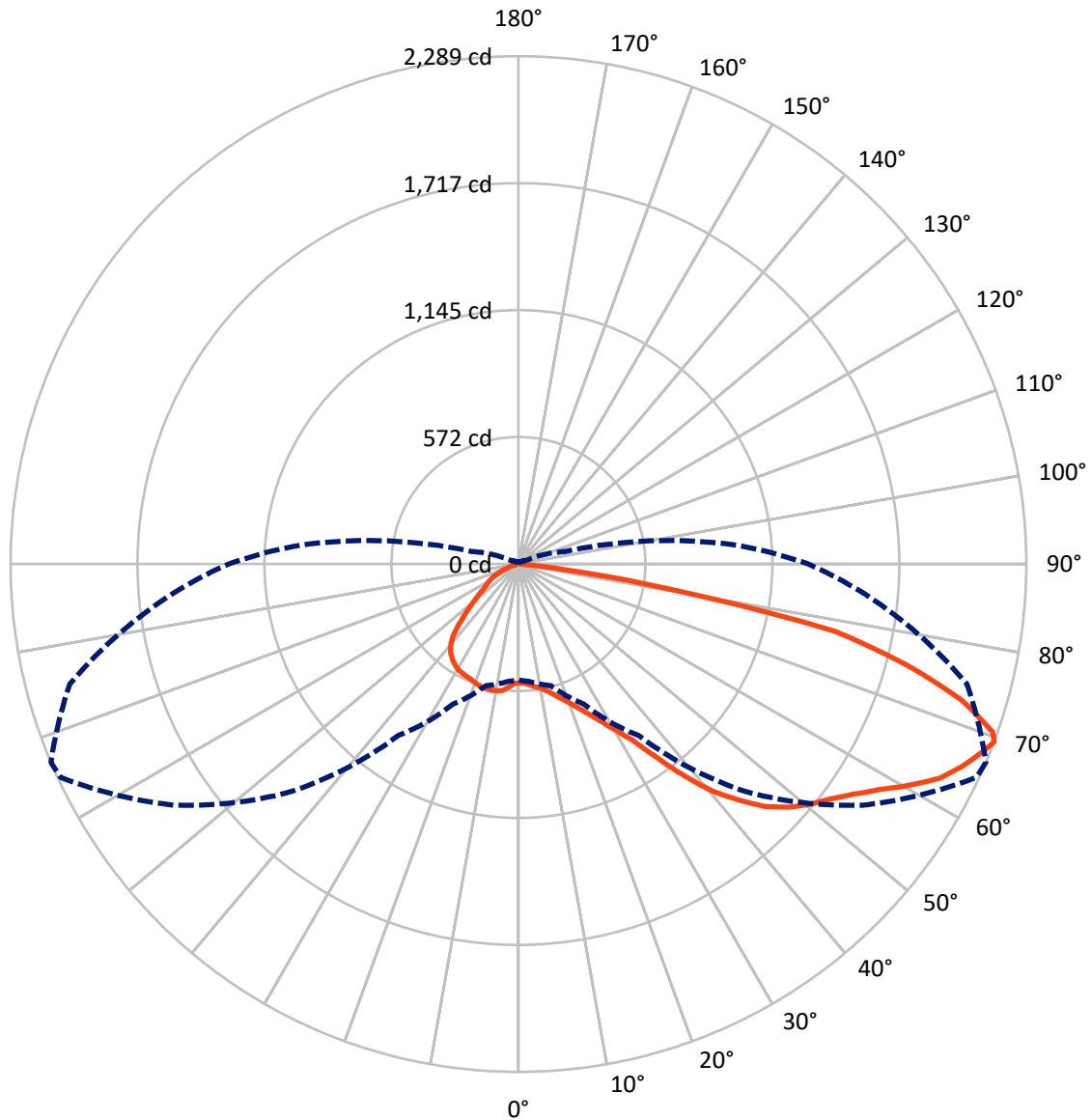


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Medium - Semi-Cutoff

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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
<b>House Side</b>	Lumens	655.1	0.0	655.1
	% Fixture	18.0	0.0	18.0
<b>Street Side</b>	Lumens	2978.9	0.0	2978.9
	% Fixture	82.0	0.0	82.0
<b>Total</b>	Lumens	3634.0	0.0	3634.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	1.5
10°-20°	170.6	4.7
20°-30°	291.2	8.0
30°-40°	440.3	12.1
40°-50°	622.0	17.1
50°-60°	751.7	20.7
60°-70°	793.2	21.8
70°-80°	477.5	13.1
80°-90°	33.4	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°	3634.0	100.0
0°-180°	3634.0	100.0

**Coefficient of Utilization**



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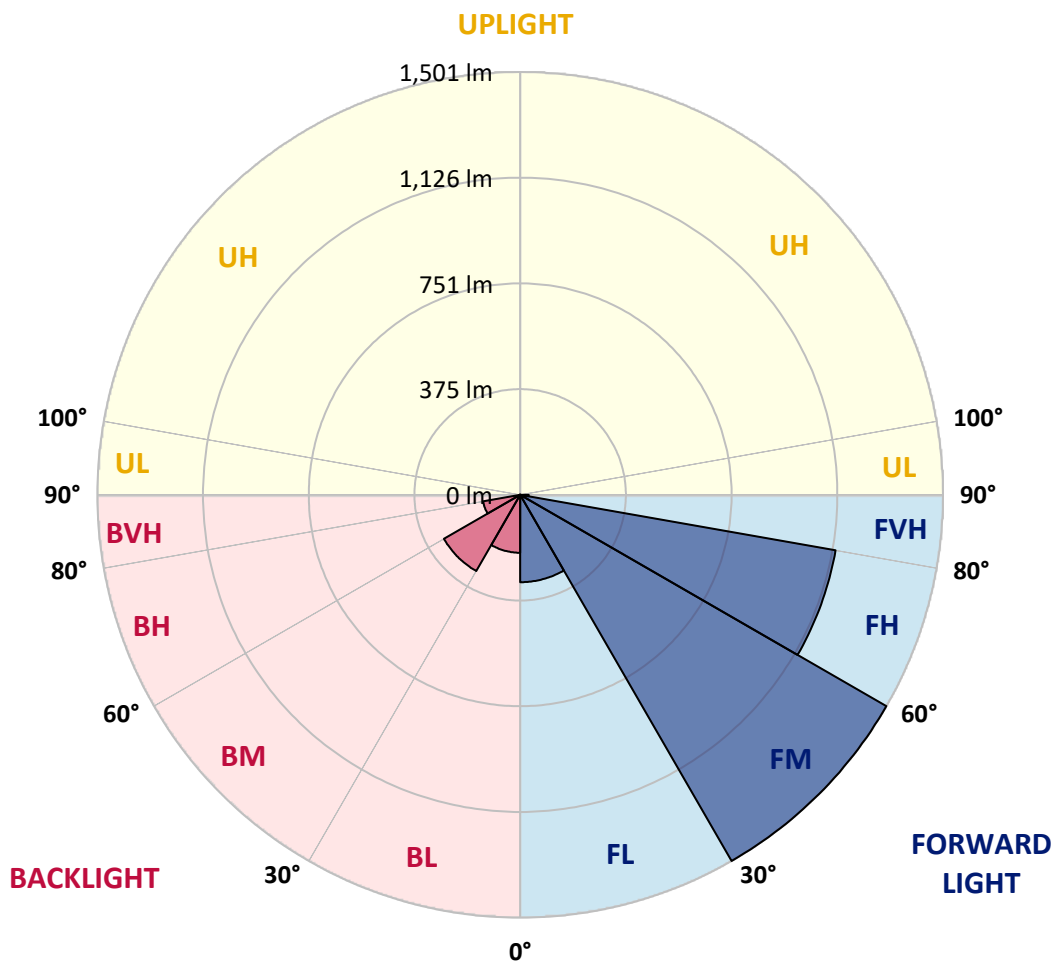
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	310.3	8.5			
FM	(30°-60°)	1501.4	41.3			
FH	(60°-80°)	1137.1	31.3			G1/1800
FVH	(80°-90°)	30.1	0.8			G1/100
BL	(0°-30°)	205.7	5.7	B1/500		
BM	(30°-60°)	312.6	8.6	B1/1000		
BH	(60°-80°)	133.6	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°	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4
2.5°	551.3	550.4	550.4	545.5	540.9	539.7	539.4	538.0	538.3	536.3	534.2
5°	567.2	567.2	566.7	560.3	555.4	552.2	550.2	547.5	547.8	546.4	544.7
7.5°	591.3	591.6	590.4	582.0	577.1	569.3	564.6	559.7	559.4	557.7	558.3
10°	620.8	621.7	619.9	609.2	600.8	590.1	580.3	571.6	571.0	569.0	570.7
12.5°	654.1	655.3	650.9	639.9	630.4	613.6	601.7	590.1	588.4	588.1	589.2
15°	692.3	692.9	691.5	675.2	663.7	648.3	628.9	614.1	612.4	612.7	611.3
17.5°	734.9	736.3	733.2	718.7	703.3	682.2	659.0	640.8	639.9	639.0	632.7
20°	780.1	781.5	779.5	765.9	747.6	721.0	692.6	671.8	671.5	669.5	654.7
22.5°	831.0	833.0	831.9	815.4	796.0	767.0	731.7	710.0	709.4	703.0	680.7
25°	886.3	885.7	886.9	869.2	851.0	820.6	776.9	754.3	754.3	746.5	713.5
27.5°	939.9	939.6	941.6	929.2	910.1	881.4	828.7	805.8	807.9	796.6	752.8
30°	992.0	992.0	996.9	988.8	974.6	944.5	893.0	869.0	871.6	859.7	802.6
32.5°	1040.7	1043.0	1051.4	1046.5	1035.7	1008.5	964.5	942.5	948.6	953.5	895.3
35°	1076.6	1078.9	1098.3	1100.0	1097.4	1079.2	1046.5	1060.6	1067.9	1106.7	1041.8
37.5°	1108.1	1111.0	1134.2	1148.7	1157.1	1145.8	1147.8	1195.3	1208.9	1254.6	1166.9
40°	1131.3	1137.7	1160.5	1180.5	1210.0	1223.4	1256.4	1323.8	1345.9	1364.1	1252.9
42.5°	1115.4	1119.7	1160.0	1213.5	1256.7	1303.6	1357.1	1437.4	1453.9	1448.1	1328.8
45°	1091.9	1097.1	1139.4	1222.2	1293.7	1387.3	1452.7	1539.6	1558.4	1526.2	1394.2
47.5°	1065.6	1072.8	1118.6	1210.6	1324.7	1464.3	1539.3	1627.3	1638.3	1596.0	1449.2
50°	1038.9	1047.0	1098.9	1201.1	1348.7	1528.6	1602.4	1698.8	1702.0	1653.9	1498.7
52.5°	1003.0	1011.4	1068.2	1181.1	1365.5	1570.8	1657.7	1757.6	1759.6	1716.5	1545.6
55°	957.6	968.3	1028.2	1151.6	1369.6	1595.4	1692.7	1818.7	1832.3	1784.2	1584.2
57.5°	904.0	913.8	979.9	1109.0	1349.3	1603.8	1741.7	1899.5	1918.3	1852.9	1616.0
60°	842.3	853.6	919.9	1054.0	1308.5	1627.3	1822.7	2013.6	2024.9	1924.7	1644.1
62.5°	779.2	787.3	847.5	976.7	1244.8	1641.5	1894.6	2120.7	2128.2	1993.9	1660.9
65°	689.4	699.6	758.3	888.1	1153.0	1614.3	1922.1	2194.0	2198.6	2051.8	1652.8
67.5°	591.9	600.0	642.8	781.2	1032.6	1528.0	1910.8	2242.9	2257.7	2097.0	1616.0
69°	522.6	530.8	567.8	695.8	943.1	1451.5	1894.8	2276.2	2289.2	2093.8	1569.1
70°	468.8	476.9	511.9	632.1	873.0	1387.0	1869.7	2259.4	2267.8	2058.2	1523.3
72.5°	335.3	343.4	372.1	444.5	661.3	1140.0	1713.6	2072.9	2084.2	1887.0	1361.5
75°	175.5	194.9	246.4	287.2	391.8	802.6	1424.6	1782.8	1799.3	1656.0	1119.7
77.5°	22.6	23.7	69.5	116.7	161.9	338.5	1012.0	1431.6	1457.6	1325.3	774.3
80°	18.2	18.5	24.0	58.2	80.5	137.2	359.0	670.0	701.6	589.0	284.6
82.5°	12.7	13.3	18.8	30.7	26.3	50.1	124.8	189.4	195.2	168.8	113.5
85°	7.2	7.2	9.0	11.9	8.4	18.8	25.8	27.5	24.6	24.3	18.2
87.5°	2.0	2.3	2.6	2.0	0.9	0.9	1.2	1.2	1.2	0.9	0.9
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°	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4
2.5°	537.4	536.8	537.1	538.3	540.0	546.4	550.7	551.3	553.3	560.9	560.0
5°	546.7	550.2	552.2	558.3	562.3	571.0	576.2	576.8	579.7	587.5	587.8
7.5°	559.7	565.5	568.4	575.3	576.8	580.8	582.3	580.8	581.1	588.1	588.7
10°	571.0	578.2	578.2	580.0	577.4	577.7	573.0	568.7	566.4	572.4	573.9
12.5°	588.4	590.4	585.8	580.6	572.7	565.8	558.0	551.0	545.5	549.0	547.0
15°	606.3	603.1	591.9	578.2	564.3	552.5	536.3	526.1	516.6	518.6	516.9
17.5°	624.3	613.9	596.2	573.6	553.3	530.8	508.2	492.2	474.9	473.4	470.8
20°	641.7	626.6	597.4	564.1	535.7	503.8	468.8	441.6	415.8	409.1	404.8
22.5°	662.5	640.8	598.8	554.8	516.6	473.1	420.1	377.9	350.1	340.8	336.5
25°	689.1	660.5	602.9	547.8	497.2	435.2	362.5	314.2	284.1	268.1	266.7
27.5°	720.7	684.2	609.8	538.9	469.7	384.5	302.9	252.5	220.4	204.1	198.9
30°	762.1	713.8	616.2	531.9	430.9	329.2	240.3	184.2	145.9	135.5	130.0
32.5°	840.6	761.8	624.3	515.7	385.1	268.7	170.3	113.5	87.4	80.5	80.5
35°	968.3	867.5	644.5	493.4	330.1	195.7	102.2	63.7	52.1	48.1	46.0
37.5°	1083.5	974.1	695.2	458.9	263.2	115.8	58.5	39.4	35.6	36.2	36.2
40°	1164.9	1047.0	751.1	412.3	178.7	62.0	37.1	31.6	32.1	32.4	32.4
42.5°	1234.7	1109.3	781.8	357.0	97.3	40.2	31.9	28.7	29.5	29.2	29.0
45°	1293.2	1160.0	791.9	280.9	47.2	35.6	29.0	26.3	26.3	26.1	26.1
47.5°	1343.2	1204.8	773.1	208.8	38.2	32.7	27.5	24.3	24.0	25.5	25.5
50°	1389.0	1239.6	726.2	158.1	37.1	30.1	26.1	22.6	22.9	24.9	24.9
52.5°	1427.2	1260.1	656.7	118.4	34.5	27.8	24.0	21.1	21.1	23.2	23.2
55°	1455.6	1260.1	603.7	88.6	33.0	25.5	22.3	20.3	19.1	19.7	20.0
57.5°	1469.8	1236.4	561.2	71.8	31.3	23.2	20.6	17.7	15.6	16.2	15.9
60°	1466.0	1222.8	512.2	64.0	29.2	21.4	18.2	15.1	13.0	12.5	12.5
62.5°	1459.1	1207.4	451.1	55.6	27.2	20.0	15.1	12.2	11.0	10.4	10.7
65°	1432.7	1157.6	373.8	46.3	25.2	19.4	12.7	10.7	9.6	9.0	9.0
67.5°	1369.0	1067.9	282.6	39.1	23.5	15.6	11.0	9.3	8.1	7.5	7.5
69°	1305.9	982.2	216.9	35.6	22.3	14.2	10.1	8.4	7.5	6.7	6.7
70°	1251.5	915.9	170.0	33.3	21.4	13.6	9.8	8.1	7.2	6.4	6.4
72.5°	1065.6	726.5	86.3	29.0	18.0	11.9	8.7	7.2	6.1	5.2	5.2
75°	826.7	500.6	57.0	22.9	13.9	10.7	7.8	6.4	5.2	4.3	4.1
77.5°	497.5	195.7	40.8	14.8	9.0	8.4	6.4	5.2	4.3	3.5	3.5
80°	137.2	84.0	27.5	9.8	5.2	5.5	4.6	3.8	3.2	2.6	2.6
82.5°	82.5	54.4	18.2	6.4	3.5	3.5	2.6	2.6	2.0	2.0	2.0
85°	14.2	11.0	4.3	2.6	2.0	2.0	1.4	0.9	0.9	0.9	0.9
87.5°	0.9	0.9	0.9	1.2	1.2	0.9	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)