

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: P233571

Luminaire Tested: **VERD-C015-D-U-T4-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-15)  
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-T4-7030  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 750mA LED AND TYPE IV OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3779 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

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

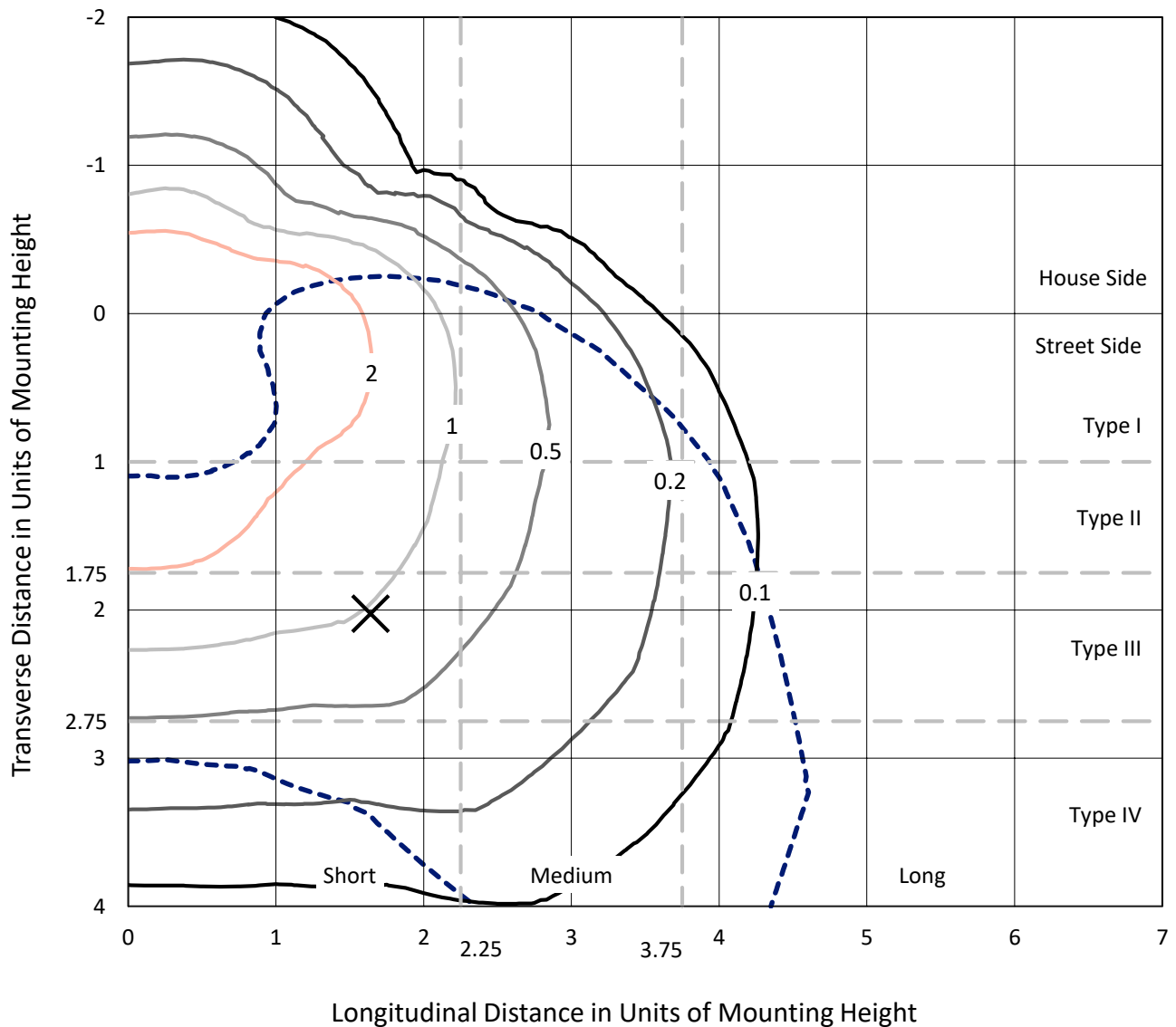


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

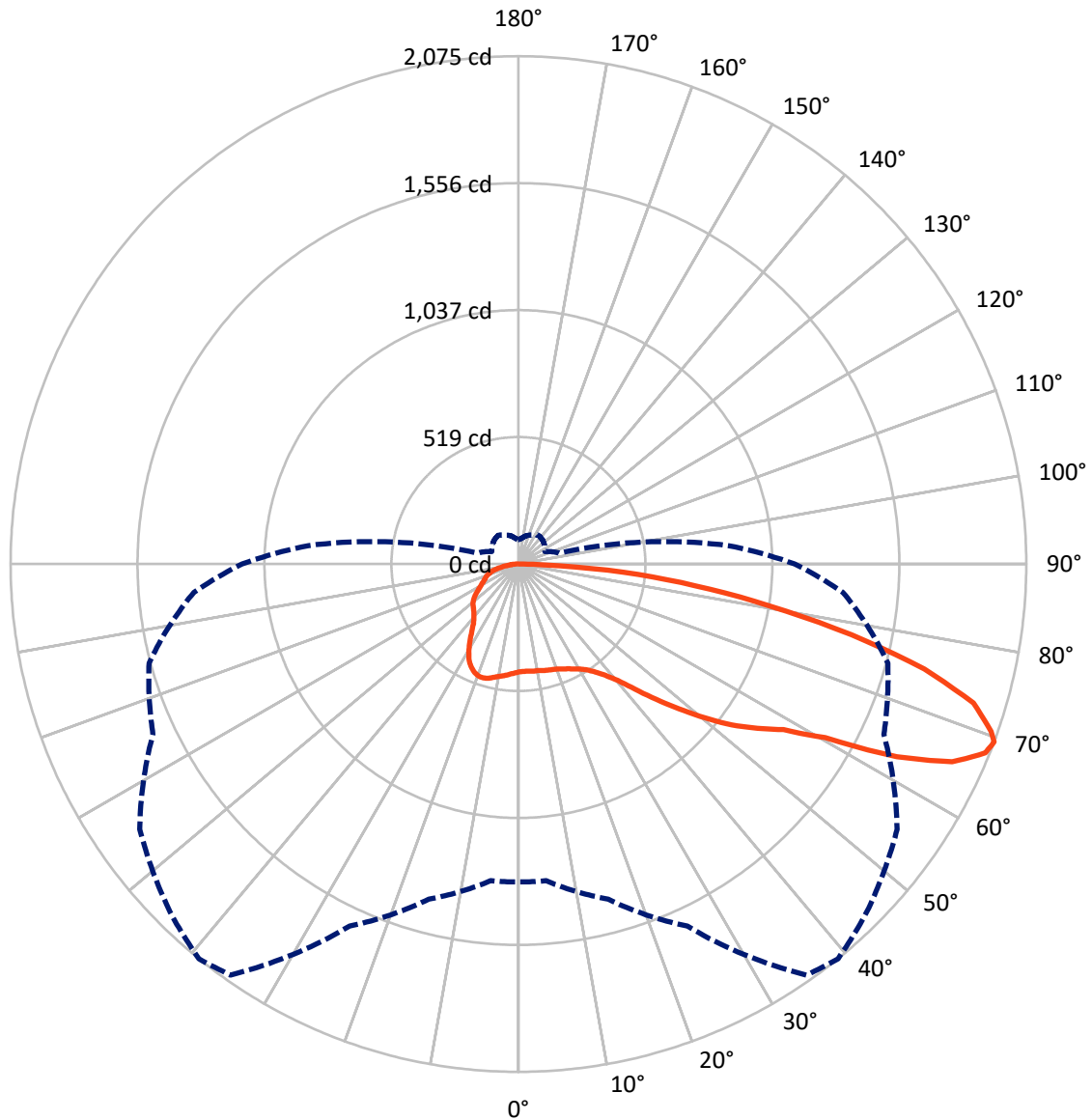


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	885.9	0.0	885.9
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	2893.1	0.0	2893.1
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	3779.0	0.0	3779.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	1.1
10°-20°	132.2	3.5
20°-30°	222.6	5.9
30°-40°	322.4	8.5
40°-50°	521.2	13.8
50°-60°	763.1	20.2
60°-70°	955.1	25.3
70°-80°	682.8	18.1
80°-90°	136.9	3.6
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°	3779.0	100.0
0°-180°	3779.0	100.0



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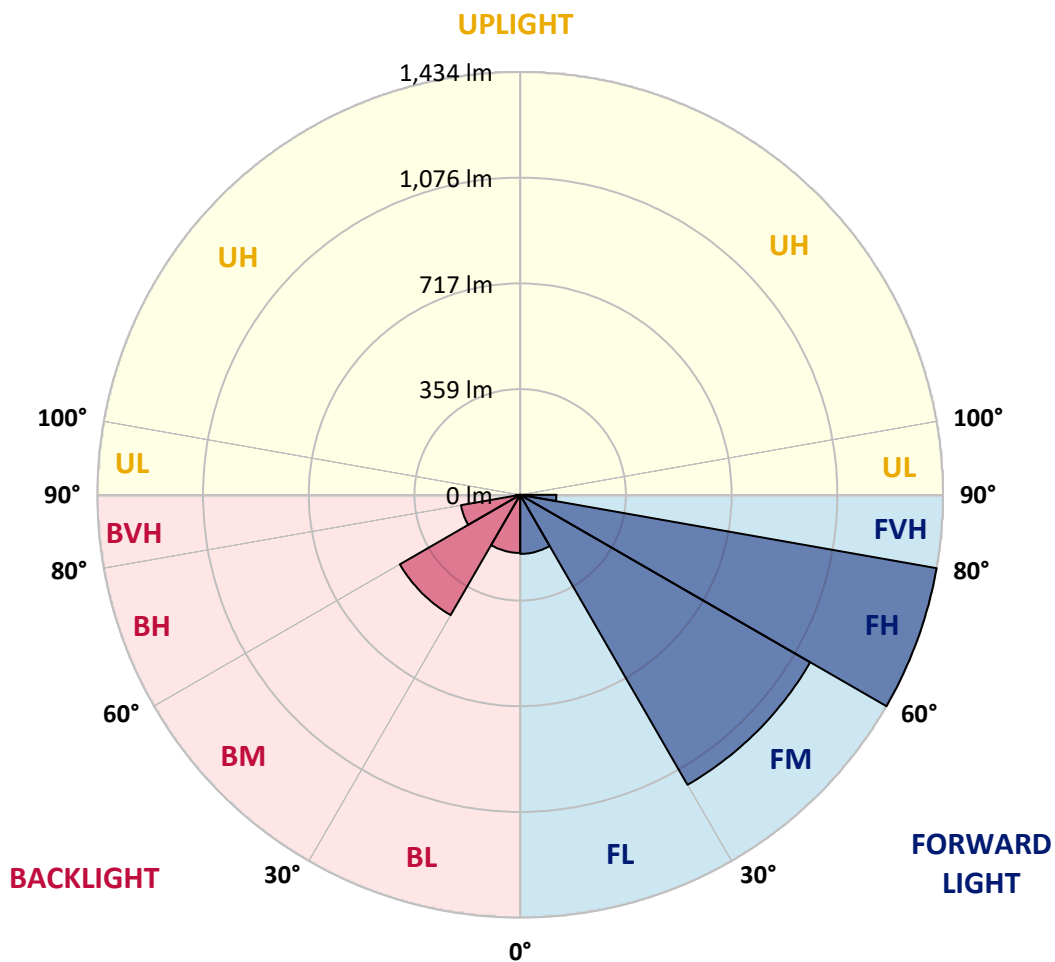
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.5	5.3			
FM	(30°-60°)	1135.6	30.1			
FH	(60°-80°)	1434.1	37.9			G1/1800
FVH	(80°-90°)	122.9	3.3			G2/225
BL	(0°-30°)	197.1	5.2	B1/500		
BM	(30°-60°)	471.1	12.5	B1/1000		
BH	(60°-80°)	203.7	5.4	B1/500		G1/500
BVH	(80°-90°)	14.0	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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2
2.5°	447.8	447.1	445.8	440.2	439.5	439.1	439.8	437.7	437.4	438.1	437.4
5°	448.2	447.5	445.8	440.9	440.2	439.5	439.8	438.1	438.4	440.2	440.2
7.5°	448.9	448.2	446.4	441.2	442.6	441.9	443.3	440.9	440.9	442.3	442.6
10°	447.1	446.8	445.8	441.9	444.0	442.6	444.0	444.4	445.8	446.8	446.4
12.5°	442.6	442.6	442.6	440.9	446.8	446.4	448.9	451.3	454.8	456.5	457.6
15°	439.8	439.5	441.9	441.6	448.9	449.9	454.1	460.4	465.6	470.1	471.5
17.5°	442.6	442.6	445.8	445.1	452.4	453.1	457.6	466.6	475.4	484.1	487.9
20°	445.8	446.1	449.9	451.0	457.9	457.6	462.1	473.3	485.1	498.0	504.6
22.5°	455.5	455.2	458.3	456.2	464.2	465.6	469.4	479.2	495.9	512.3	523.1
25°	462.8	463.9	467.0	465.6	472.2	474.0	480.2	489.6	509.5	529.0	548.1
27.5°	469.8	471.9	474.3	474.0	483.0	485.1	490.0	504.6	527.6	550.9	577.7
30°	480.2	479.5	481.3	484.4	496.2	497.6	503.6	521.3	549.2	579.5	615.3
32.5°	494.2	493.5	495.2	498.0	512.3	515.7	523.8	542.9	578.1	614.7	658.5
35°	516.1	517.8	519.2	522.7	536.6	541.5	552.3	576.7	617.4	675.9	738.6
37.5°	592.4	588.5	580.9	566.9	570.8	576.3	591.7	626.5	685.7	784.9	842.4
40°	711.5	706.9	682.9	642.2	623.7	625.1	640.1	687.4	768.2	913.1	966.0
42.5°	823.6	818.0	789.5	738.6	702.1	697.9	699.3	753.9	858.8	1041.2	1069.5
45°	929.5	932.2	888.7	849.7	807.9	788.8	782.9	823.6	959.4	1152.3	1161.0
47.5°	1030.8	1032.9	983.8	946.2	905.8	883.5	872.0	903.7	1052.0	1242.2	1234.2
50°	1134.2	1139.8	1072.6	1040.6	1003.3	987.3	976.1	997.0	1154.4	1328.2	1303.5
52.5°	1280.1	1256.8	1168.7	1123.4	1097.0	1092.1	1080.6	1097.7	1263.1	1404.1	1352.6
55°	1442.4	1392.6	1300.0	1220.9	1184.4	1184.4	1174.3	1194.1	1375.2	1460.9	1392.6
57.5°	1495.0	1499.9	1467.8	1381.8	1283.6	1276.0	1266.2	1293.4	1471.3	1511.7	1407.6
60°	1586.9	1600.5	1625.3	1553.5	1505.1	1440.0	1380.8	1395.4	1554.2	1553.5	1423.6
62.5°	1632.6	1645.5	1722.8	1684.1	1729.7	1734.3	1623.5	1510.7	1615.5	1574.4	1431.3
65°	1589.4	1598.4	1701.5	1752.4	1884.7	1947.7	1893.1	1665.6	1647.9	1565.7	1402.7
67.5°	1447.6	1464.7	1550.0	1705.0	2022.9	2058.1	2006.9	1878.4	1661.8	1568.5	1379.7
69°	1298.6	1298.9	1417.4	1632.2	2050.1	2074.5	2011.8	1888.5	1647.2	1561.9	1330.6
70°	1214.7	1223.4	1311.1	1569.2	2040.0	2048.0	2000.0	1888.2	1637.1	1559.8	1284.0
72.5°	947.9	943.4	1030.8	1312.2	1925.8	1943.5	1890.6	1834.9	1628.7	1469.9	1086.2
75°	662.7	676.6	762.3	994.2	1659.4	1712.7	1712.7	1762.8	1499.2	1256.1	785.3
77.5°	493.1	495.2	563.8	759.5	1335.2	1390.5	1441.4	1483.5	1171.8	860.5	351.0
80°	334.0	337.1	399.8	560.3	989.4	1040.2	1120.6	1020.7	697.2	297.7	40.0
82.5°	210.3	214.5	264.3	393.5	705.2	728.2	752.9	576.3	232.3	34.5	25.4
85°	125.0	125.7	159.5	251.4	430.1	431.5	405.0	265.4	62.3	20.5	16.0
87.5°	52.2	55.0	69.6	111.4	126.1	99.6	62.0	21.2	9.4	8.4	5.6
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°	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2
2.5°	435.3	439.1	438.4	439.5	440.9	443.7	446.8	445.4	447.1	451.0	451.0
5°	439.1	442.3	443.3	445.4	447.1	449.9	452.0	451.3	455.2	460.7	460.7
7.5°	442.3	444.7	448.2	450.6	452.4	457.9	460.0	458.6	461.4	468.0	468.4
10°	446.8	449.2	454.5	456.9	460.4	463.2	466.0	465.6	468.4	474.3	475.4
12.5°	457.9	459.7	467.0	470.5	470.5	474.0	471.9	468.4	469.8	473.3	474.0
15°	472.6	475.0	484.4	486.1	484.4	485.1	480.2	469.1	463.5	464.6	464.9
17.5°	489.3	493.5	504.3	501.8	499.7	494.5	482.0	465.3	448.5	442.3	443.3
20°	507.0	512.3	524.8	519.6	511.9	498.3	478.1	449.6	423.8	408.8	408.1
22.5°	527.6	534.2	546.0	537.0	519.9	496.2	465.3	430.4	397.7	374.4	373.0
25°	555.8	563.1	567.3	549.2	521.3	488.6	446.8	404.3	363.2	335.4	333.3
27.5°	587.8	591.7	583.3	556.1	514.7	472.2	423.8	371.2	326.0	303.0	299.8
30°	623.4	620.2	594.1	552.7	497.6	446.4	387.9	329.1	292.9	274.4	271.6
32.5°	664.4	654.7	602.5	542.9	475.0	412.7	348.9	302.3	273.4	254.9	253.5
35°	732.0	704.1	616.0	527.9	445.1	373.0	313.1	279.3	256.7	233.7	230.2
37.5°	829.9	777.3	635.9	514.0	412.7	334.7	285.9	260.8	241.0	215.2	210.3
40°	931.6	863.3	668.6	498.7	382.4	306.5	270.9	253.2	233.7	209.3	202.7
42.5°	1024.5	945.1	706.9	479.5	350.7	283.8	263.6	251.1	231.6	208.6	203.4
45°	1108.8	1022.1	746.3	457.6	315.9	265.7	257.7	247.3	227.4	205.5	201.3
47.5°	1179.8	1087.6	786.0	432.2	282.4	254.6	251.4	240.3	221.8	200.6	197.1
50°	1238.7	1134.6	808.6	405.4	254.9	246.2	242.4	228.4	209.6	189.8	187.7
52.5°	1282.2	1163.8	829.2	391.1	233.3	232.6	230.2	216.6	198.5	178.0	173.8
55°	1312.5	1187.9	820.1	379.9	210.3	215.6	214.2	205.8	190.5	166.5	163.0
57.5°	1314.3	1189.9	800.6	313.8	187.7	195.0	197.5	198.8	181.8	160.5	156.4
60°	1312.5	1174.6	764.4	230.2	165.8	174.5	183.5	183.5	171.7	150.8	147.7
62.5°	1304.5	1144.3	680.1	164.0	148.4	159.8	171.7	166.5	156.4	139.6	136.5
65°	1268.0	1093.8	532.1	133.7	141.0	151.5	157.1	149.7	136.9	119.4	118.1
67.5°	1201.4	978.2	307.8	122.6	134.8	144.2	148.7	137.6	125.4	108.7	108.0
69°	1128.3	861.2	173.4	119.8	130.9	139.3	143.1	130.9	119.1	103.1	99.9
70°	1062.8	756.7	112.8	117.4	127.1	136.2	138.9	126.4	115.3	98.9	96.8
72.5°	805.1	455.9	75.9	107.3	116.7	123.6	127.8	116.0	103.4	87.1	82.9
75°	439.8	124.0	66.9	91.9	103.8	113.2	114.2	99.2	81.1	64.4	62.7
77.5°	85.7	42.5	57.5	75.9	82.5	93.7	93.0	82.9	70.3	54.7	52.6
80°	32.4	30.6	48.1	54.3	58.2	70.0	74.2	66.9	58.5	37.3	32.0
82.5°	21.9	22.6	35.9	32.0	35.5	41.4	52.2	50.8	46.3	25.4	22.6
85°	15.3	17.8	19.8	13.6	17.4	26.1	34.5	33.4	28.6	17.8	16.0
87.5°	4.5	4.9	5.6	7.0	10.8	19.5	28.2	23.3	15.7	13.2	11.5
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)