

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: P233662

Luminaire Tested: **VERD-C015-D-U-T2-8027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233662
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-T2-8027-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 2700K, 750mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3148 lumens
Efficiency: N/A
Efficacy: 104.9 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

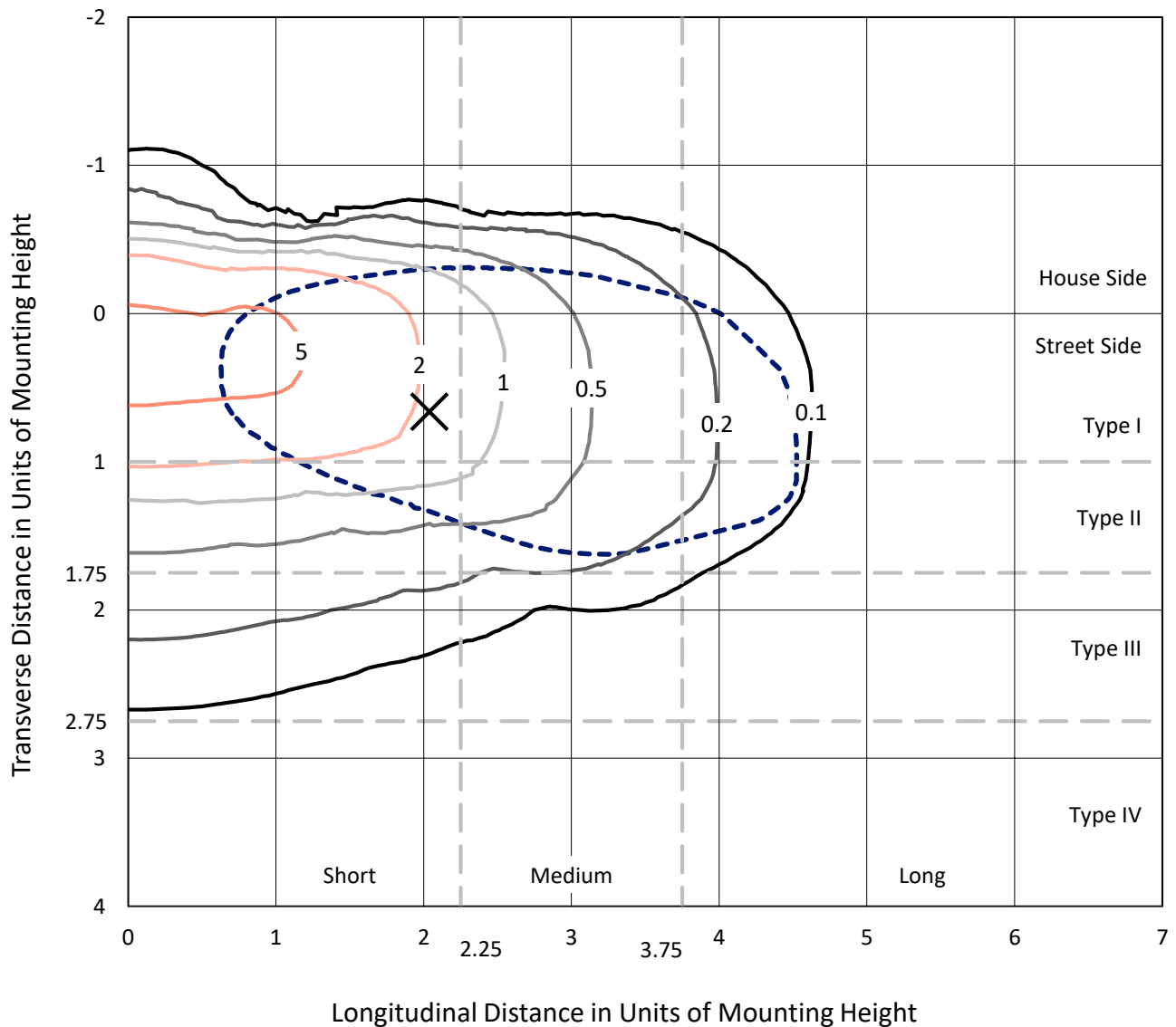
Input Watts (W): 30
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

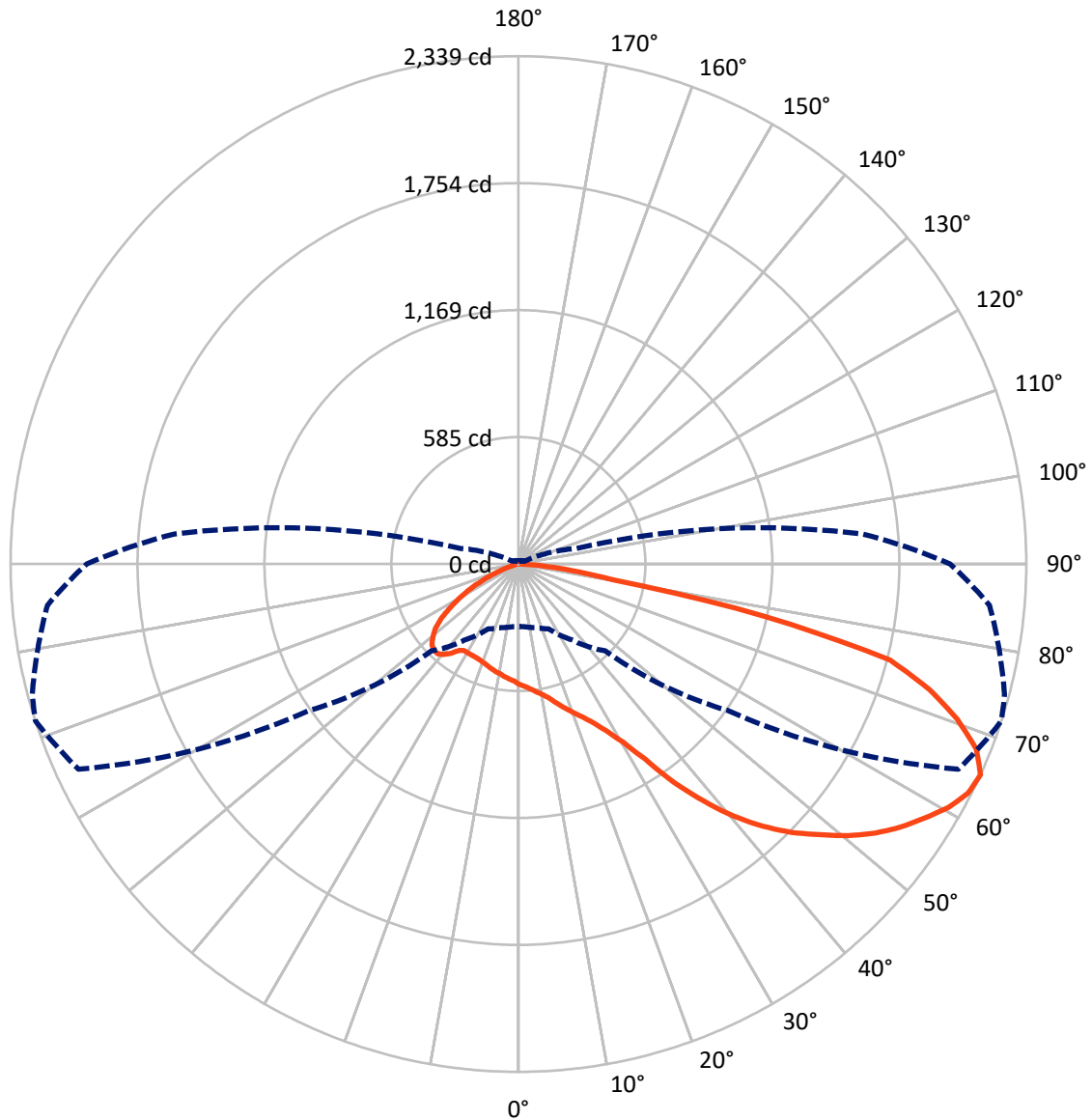


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - Non-Cutoff

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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	654.2	0.0	654.2
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	2493.8	0.0	2493.8
	% Fixture	79.2	0.0	79.2
Total	Lumens	3148.0	0.0	3148.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.7
10°-20°	161.4	5.1
20°-30°	269.7	8.6
30°-40°	399.0	12.7
40°-50°	551.6	17.5
50°-60°	645.5	20.5
60°-70°	641.6	20.4
70°-80°	384.3	12.2
80°-90°	41.8	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°	3148.0	100.0
0°-180°	3148.0	100.0



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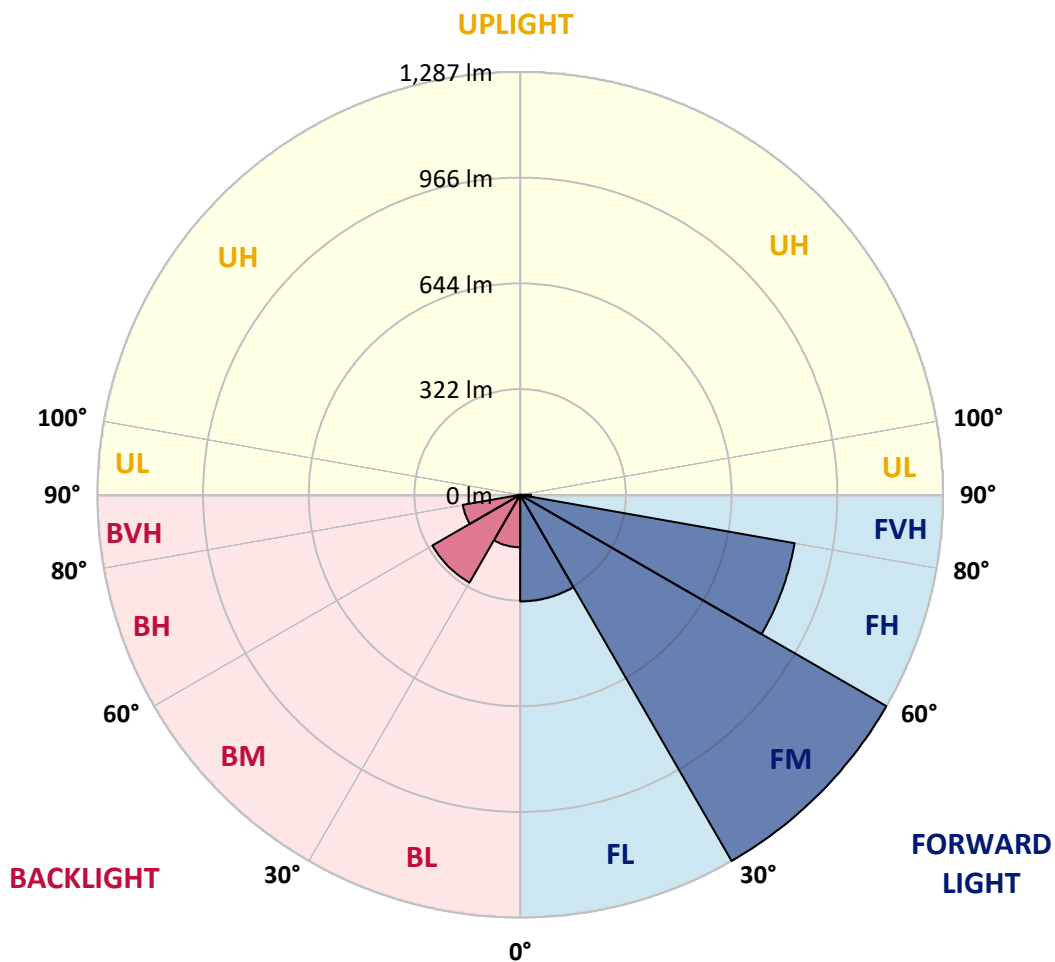
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.6	10.3			
FM	(30°-60°)	1287.4	40.9			
FH	(60°-80°)	848.7	27.0			G1/1800
FVH	(80°-90°)	33.1	1.1			G1/100
BL	(0°-30°)	159.7	5.1	B1/500		
BM	(30°-60°)	308.6	9.8	B1/1000		
BH	(60°-80°)	177.1	5.6	B1/500		G1/500
BVH	(80°-90°)	8.8	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°	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8
2.5°	601.6	602.1	602.3	592.8	587.7	581.8	576.1	570.0	563.5	561.2	552.8
5°	638.5	639.1	637.5	628.8	619.3	610.5	599.8	588.7	577.9	574.8	560.5
7.5°	674.2	674.0	672.7	661.7	649.8	638.3	623.1	608.2	594.1	589.2	567.9
10°	703.8	704.3	705.1	693.2	681.7	667.8	649.3	627.2	611.1	603.4	575.6
12.5°	736.1	734.6	736.7	725.1	709.2	696.6	679.9	654.0	634.7	624.9	590.5
15°	773.1	773.1	770.3	760.8	744.6	729.2	712.5	688.6	665.5	650.6	610.5
17.5°	798.6	797.0	796.2	788.0	774.2	760.8	748.0	723.6	698.4	680.2	629.3
20°	809.3	809.9	813.5	807.5	800.1	792.1	778.0	759.0	731.3	711.7	649.3
22.5°	830.2	830.7	835.0	830.9	828.9	826.8	813.7	797.0	767.5	748.7	674.5
25°	831.4	832.0	843.8	850.4	861.0	865.9	856.9	842.5	812.4	794.2	712.0
27.5°	835.3	836.8	848.9	867.4	895.1	904.9	899.8	899.2	873.8	854.6	760.8
30°	832.0	833.5	851.0	876.6	915.2	943.9	949.8	965.0	954.7	940.3	828.6
32.5°	808.3	814.0	834.8	875.6	932.4	984.5	1003.5	1055.4	1070.8	1072.4	964.7
35°	765.4	768.5	806.3	863.8	943.9	1022.8	1075.2	1171.0	1236.2	1233.4	1115.5
37.5°	732.8	733.8	772.6	843.8	950.4	1063.9	1156.9	1310.2	1385.2	1388.6	1251.7
40°	690.9	698.4	735.6	819.6	946.8	1098.6	1238.0	1439.9	1527.3	1523.7	1371.1
42.5°	651.9	656.3	693.2	781.9	933.7	1125.0	1317.7	1565.5	1651.3	1639.5	1485.6
45°	611.3	618.8	652.7	733.1	907.7	1139.9	1389.8	1684.7	1763.3	1748.7	1586.6
47.5°	570.7	576.1	612.1	688.4	858.9	1139.4	1460.7	1796.4	1862.7	1852.4	1682.1
50°	434.3	446.2	540.7	641.6	790.3	1117.8	1518.0	1902.5	1967.0	1951.1	1775.4
52.5°	398.1	402.0	428.4	587.4	717.1	1066.5	1562.7	2002.2	2058.9	2040.7	1863.2
55°	376.3	380.9	391.7	477.5	657.0	982.0	1581.2	2095.2	2137.5	2119.0	1941.6
57.5°	347.3	351.9	373.2	411.2	594.4	853.3	1554.0	2177.6	2207.1	2186.9	2014.3
60°	327.2	329.3	349.8	379.6	525.8	723.3	1463.0	2244.6	2275.5	2251.3	2086.2
62.5°	308.7	311.1	325.7	355.2	469.0	628.0	1321.5	2261.1	2324.0	2305.3	2151.9
65°	287.4	289.5	302.8	329.0	425.1	565.8	1175.6	2235.9	2338.9	2317.6	2177.4
67.5°	259.2	262.0	272.5	296.2	367.6	495.5	958.6	2189.4	2273.7	2251.6	2125.2
70°	224.2	225.5	238.1	259.4	310.5	430.0	751.8	2024.0	2144.5	2120.1	1978.3
72.5°	181.1	183.4	197.0	219.4	255.1	354.2	537.1	1748.9	1980.9	1971.6	1764.3
75°	121.0	130.0	162.3	184.9	210.9	276.6	360.6	1227.5	1768.4	1775.6	1507.2
77.5°	23.1	23.9	68.1	101.2	123.3	169.0	223.2	603.1	1165.6	1291.7	1136.6
80°	15.2	16.4	29.0	70.9	81.7	83.7	114.6	264.3	439.2	555.6	655.5
82.5°	8.0	9.5	17.5	41.1	37.5	20.8	37.5	136.4	243.5	279.7	330.6
85°	3.3	3.9	8.5	14.1	10.5	8.7	8.7	54.5	107.9	124.8	129.7
87.5°	0.5	0.5	1.8	2.6	1.5	1.0	0.8	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°	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8
2.5°	552.8	548.1	541.7	534.3	528.9	526.0	523.7	517.6	515.5	519.6	518.6
5°	555.1	549.7	535.0	523.0	510.9	503.4	495.2	484.4	479.8	482.4	481.6
7.5°	556.6	549.9	528.1	509.3	489.1	474.9	464.1	450.0	443.1	445.6	442.6
10°	558.9	548.9	519.9	495.0	468.5	448.0	432.0	415.6	408.4	410.5	407.9
12.5°	568.7	552.5	516.0	482.6	450.3	424.6	404.5	387.1	376.8	378.9	376.8
15°	584.6	559.7	510.4	467.0	431.0	401.7	378.6	358.6	346.8	349.6	347.0
17.5°	601.3	568.4	505.2	449.5	410.5	377.8	353.7	336.7	317.7	319.5	315.7
20°	615.7	576.6	502.4	433.1	391.2	352.4	323.4	311.8	285.6	278.9	274.6
22.5°	635.7	588.7	500.1	419.7	367.3	327.0	292.6	271.0	242.7	228.6	227.3
25°	664.2	606.7	499.8	409.2	345.7	300.3	252.2	216.0	191.1	174.4	172.1
27.5°	700.4	630.6	502.7	398.6	324.2	266.6	202.7	162.6	140.2	127.4	125.1
30°	752.6	661.9	506.3	386.6	300.0	222.9	151.0	119.7	101.2	92.0	90.2
32.5°	864.3	742.3	511.7	374.0	271.0	168.0	109.7	86.8	72.7	67.0	69.9
35°	998.9	851.5	535.8	357.8	233.0	119.7	79.1	61.9	52.1	53.4	55.0
37.5°	1116.5	955.8	590.0	337.0	182.1	87.8	54.5	46.2	46.2	50.3	53.9
40°	1227.5	1049.8	638.5	308.7	127.7	60.6	42.1	42.9	42.1	44.7	43.9
42.5°	1332.3	1138.9	676.6	275.1	83.5	41.9	38.3	39.8	38.5	39.0	36.7
45°	1431.4	1231.1	697.6	225.5	55.5	36.5	35.2	37.8	37.5	37.0	34.7
47.5°	1523.1	1312.3	708.1	162.6	38.3	32.9	33.1	34.9	35.7	35.2	33.9
50°	1613.0	1393.2	698.6	97.3	34.4	30.1	31.8	31.8	33.4	30.6	29.5
52.5°	1699.1	1474.3	668.6	59.1	31.6	28.0	29.5	29.0	29.8	27.0	26.5
55°	1780.0	1534.7	609.3	46.5	29.8	26.7	27.0	27.5	26.2	23.1	24.1
57.5°	1865.5	1586.1	526.6	42.1	29.0	24.9	25.4	25.2	23.1	20.3	20.3
60°	1935.9	1623.3	443.6	38.3	28.5	24.4	22.6	22.1	19.0	17.5	17.2
62.5°	1984.5	1633.9	362.7	34.2	27.0	22.6	20.3	18.8	15.9	14.4	13.9
65°	1988.3	1588.9	276.1	30.8	25.4	21.1	18.8	15.4	12.6	11.3	10.8
67.5°	1909.5	1464.1	194.7	28.3	22.9	19.5	16.4	12.3	10.0	9.0	8.7
70°	1744.6	1308.9	119.2	24.7	20.8	18.2	17.0	10.0	8.2	6.9	6.9
72.5°	1530.9	1133.8	69.9	21.1	17.5	14.6	11.3	8.5	6.9	5.4	5.4
75°	1312.0	900.0	42.9	15.9	12.8	11.6	8.7	7.2	5.7	4.1	4.1
77.5°	944.7	664.5	33.4	10.3	8.0	8.2	6.4	5.7	4.6	3.3	3.3
80°	579.7	404.5	23.9	6.9	4.6	4.6	4.6	4.4	3.3	2.8	2.6
82.5°	293.8	184.9	11.8	4.1	2.8	2.8	2.8	3.1	2.6	2.1	2.1
85°	103.3	51.9	3.6	2.1	1.8	1.8	1.5	1.5	1.3	1.0	1.0
87.5°	0.3	0.5	0.5	0.8	1.0	1.0	0.8	0.5	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)