

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: P233675

Luminaire Tested: **VERD-C015-D-U-T2-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233675
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-T2-7030-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 750mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3477 lumens
Efficiency: N/A
Efficacy: 115.9 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

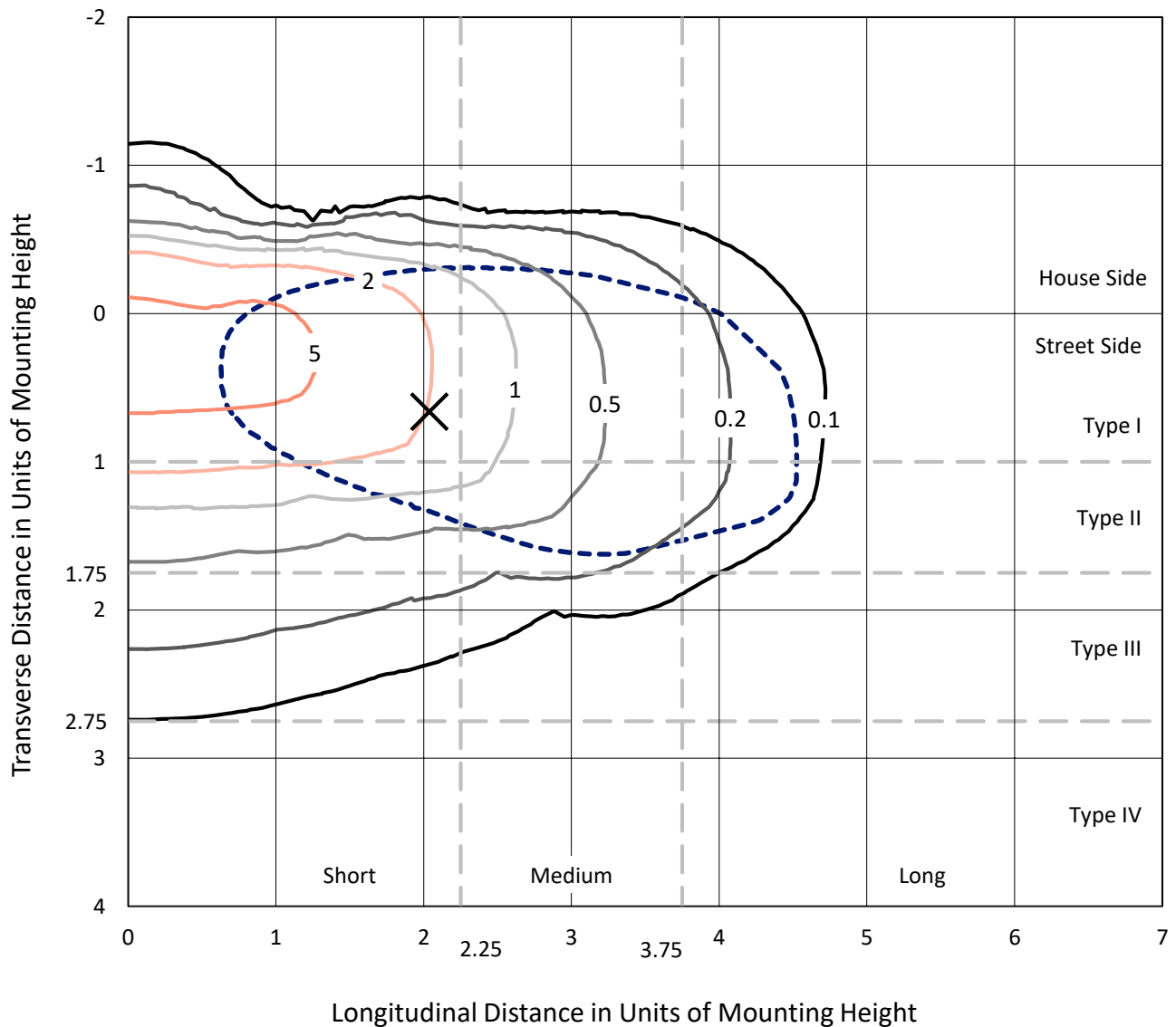
Input Watts (W): 30
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

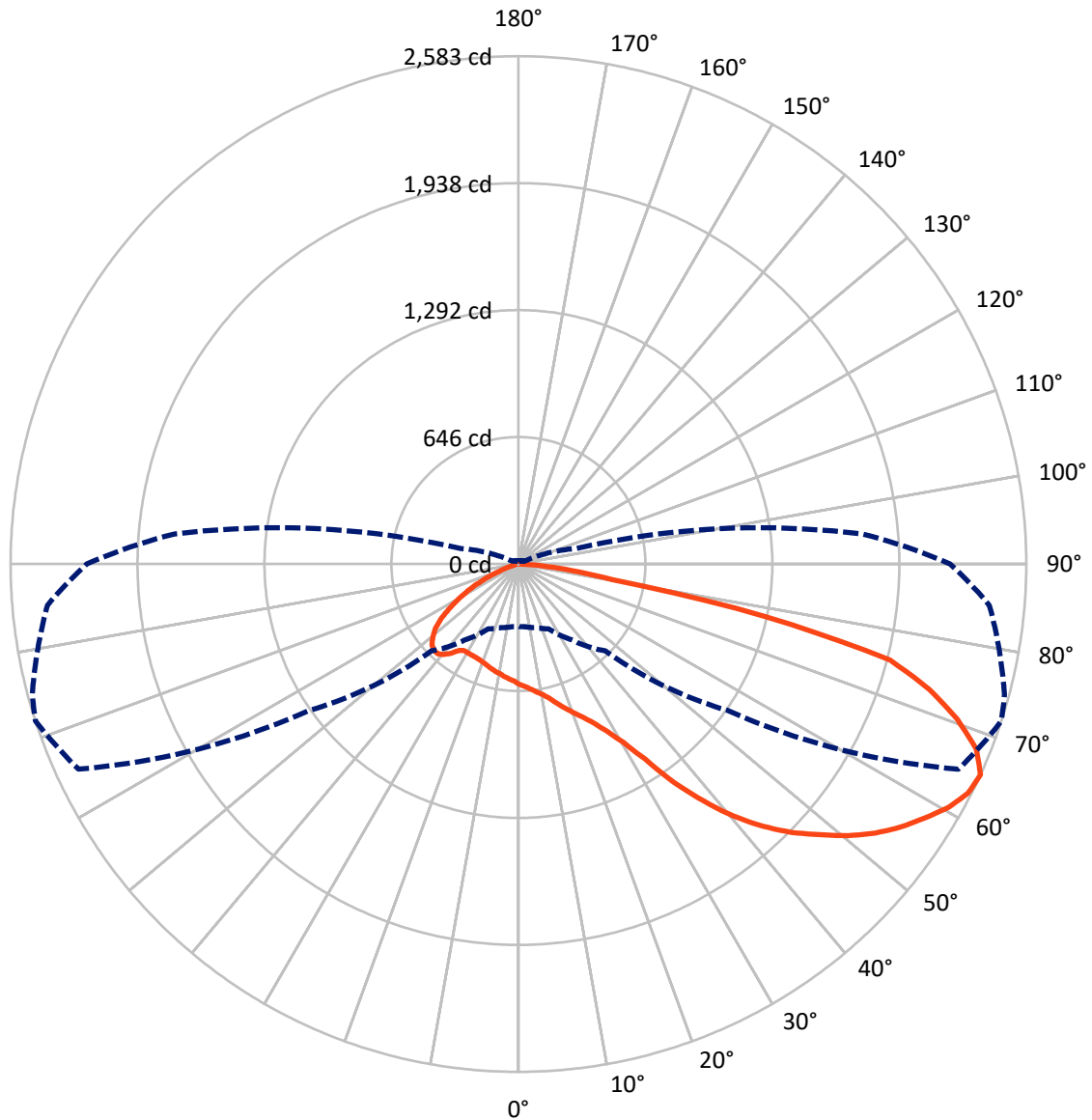
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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	722.5	0.0	722.5
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	2754.5	0.0	2754.5
	% Fixture	79.2	0.0	79.2
Total	Lumens	3477.0	0.0	3477.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.7
10°-20°	178.3	5.1
20°-30°	297.9	8.6
30°-40°	440.7	12.7
40°-50°	609.2	17.5
50°-60°	712.9	20.5
60°-70°	708.6	20.4
70°-80°	424.4	12.2
80°-90°	46.2	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°	3477.0	100.0
0°-180°	3477.0	100.0



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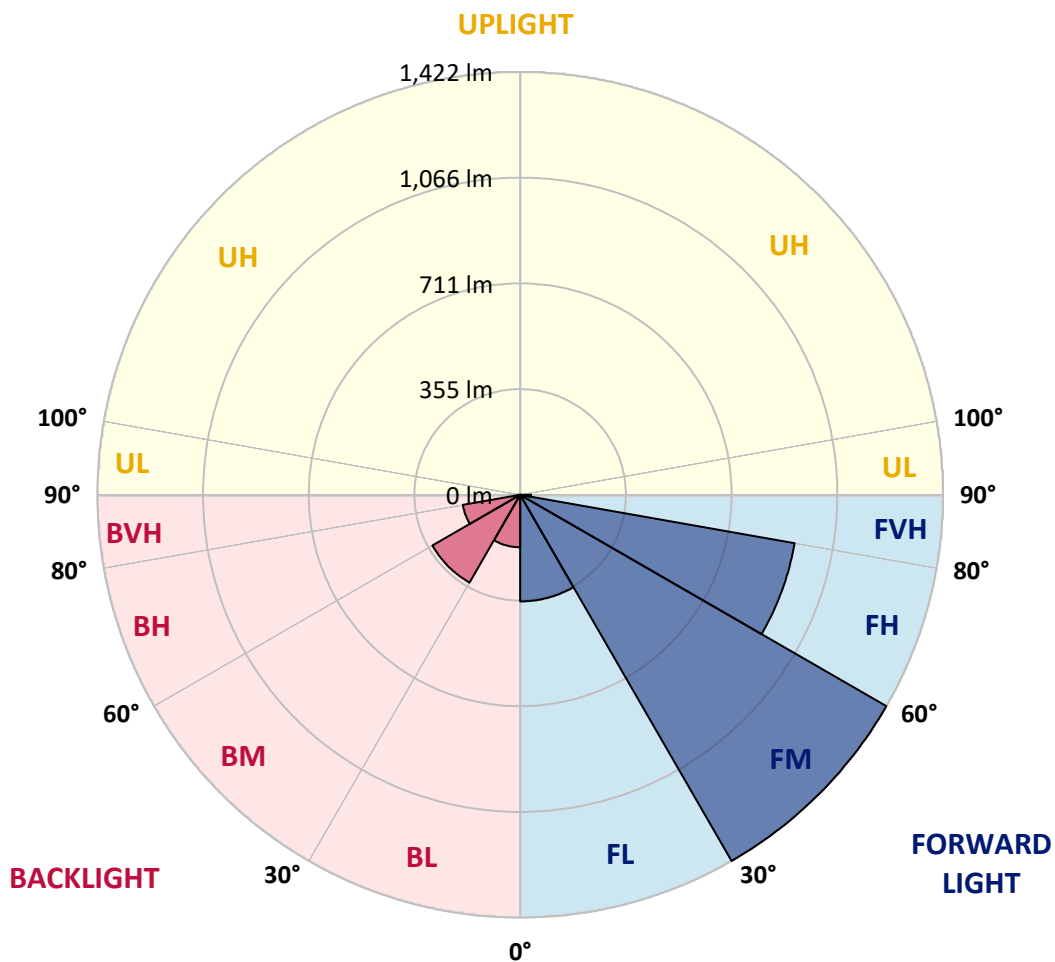
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.5	10.3			
FM	(30°-60°)	1422.0	40.9			
FH	(60°-80°)	937.4	27.0			G1/1800
FVH	(80°-90°)	36.5	1.1			G1/100
BL	(0°-30°)	176.4	5.1	B1/500		
BM	(30°-60°)	340.8	9.8	B1/1000		
BH	(60°-80°)	195.6	5.6	B1/500		G1/500
BVH	(80°-90°)	9.7	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°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8
2.5°	664.4	665.0	665.3	654.8	649.1	642.6	636.3	629.5	622.4	619.9	610.5
5°	705.3	705.8	704.1	694.5	684.0	674.4	662.4	650.2	638.3	634.9	619.0
7.5°	744.7	744.4	743.0	730.8	717.8	705.0	688.3	671.8	656.2	650.8	627.3
10°	777.3	777.9	778.8	765.7	752.9	737.6	717.2	692.8	674.9	666.4	635.8
12.5°	813.1	811.4	813.6	800.9	783.3	769.4	750.9	722.3	701.0	690.2	652.2
15°	853.9	853.9	850.8	840.3	822.4	805.4	787.0	760.6	735.1	718.6	674.4
17.5°	882.0	880.3	879.5	870.4	855.1	840.3	826.1	799.2	771.4	751.2	695.1
20°	893.9	894.5	898.5	891.9	883.7	874.9	859.3	838.3	807.7	786.1	717.2
22.5°	916.9	917.5	922.3	917.8	915.5	913.2	898.8	880.3	847.7	827.0	745.0
25°	918.3	918.9	931.9	939.3	951.0	956.3	946.4	930.5	897.3	877.2	786.4
27.5°	922.6	924.3	937.6	958.0	988.7	999.5	993.8	993.2	965.1	943.9	840.3
30°	918.9	920.6	939.9	968.3	1010.8	1042.6	1049.1	1065.9	1054.5	1038.6	915.2
32.5°	892.8	899.0	922.0	967.1	1029.8	1087.4	1108.4	1165.7	1182.7	1184.4	1065.6
35°	845.4	848.8	890.5	954.1	1042.6	1129.7	1187.6	1293.4	1365.4	1362.3	1232.1
37.5°	809.4	810.5	853.4	931.9	1049.7	1175.1	1277.8	1447.1	1530.0	1533.7	1382.5
40°	763.1	771.4	812.5	905.3	1045.7	1213.4	1367.4	1590.4	1686.9	1682.9	1514.4
42.5°	720.0	724.8	765.7	863.6	1031.2	1242.6	1455.4	1729.1	1823.9	1810.8	1640.9
45°	675.2	683.4	720.9	809.7	1002.6	1259.1	1535.1	1860.8	1947.6	1931.4	1752.4
47.5°	630.4	636.3	676.1	760.3	948.7	1258.5	1613.4	1984.2	2057.4	2046.0	1857.9
50°	479.7	492.8	597.2	708.7	872.9	1234.7	1676.7	2101.4	2172.6	2155.0	1960.9
52.5°	439.7	444.0	473.2	648.8	792.1	1177.9	1726.0	2211.4	2274.1	2254.0	2057.9
55°	415.6	420.7	432.6	527.4	725.7	1084.6	1746.4	2314.1	2360.9	2340.5	2144.5
57.5°	383.6	388.7	412.2	454.2	656.5	942.4	1716.4	2405.2	2437.8	2415.4	2224.8
60°	361.4	363.7	386.4	419.3	580.7	798.9	1615.9	2479.2	2513.3	2486.6	2304.2
62.5°	341.0	343.6	359.7	392.4	518.0	693.6	1459.6	2497.4	2566.9	2546.2	2376.8
65°	317.5	319.7	334.5	363.4	469.5	625.0	1298.5	2469.6	2583.4	2559.8	2404.9
67.5°	286.3	289.4	301.0	327.1	406.0	547.3	1058.8	2418.2	2511.3	2486.9	2347.3
70°	247.7	249.1	263.0	286.5	343.0	474.9	830.4	2235.5	2368.6	2341.6	2185.0
72.5°	200.0	202.6	217.6	242.3	281.7	391.2	593.2	1931.7	2187.9	2177.7	1948.7
75°	133.6	143.6	179.3	204.3	232.9	305.5	398.3	1355.8	1953.3	1961.2	1664.7
77.5°	25.5	26.4	75.2	111.8	136.2	186.7	246.5	666.1	1287.4	1426.7	1255.4
80°	16.7	18.2	32.1	78.3	90.2	92.5	126.5	291.9	485.1	613.6	724.0
82.5°	8.8	10.5	19.3	45.4	41.4	23.0	41.4	150.6	268.9	308.9	365.1
85°	3.7	4.3	9.4	15.6	11.6	9.6	9.6	60.1	119.2	137.9	143.3
87.5°	0.6	0.6	2.0	2.8	1.7	1.1	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°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8
2.5°	610.5	605.4	598.3	590.1	584.1	581.0	578.5	571.7	569.4	573.9	572.8
5°	613.1	607.1	590.9	577.6	564.3	556.0	547.0	535.1	529.9	532.8	531.9
7.5°	614.8	607.4	583.3	562.6	540.2	524.6	512.6	497.0	489.4	492.2	488.8
10°	617.3	606.3	574.2	546.7	517.5	494.8	477.2	459.0	451.1	453.3	450.5
12.5°	628.1	610.2	569.9	533.1	497.3	469.0	446.8	427.5	416.2	418.5	416.2
15°	645.7	618.2	563.7	515.8	476.0	443.7	418.2	396.0	383.0	386.1	383.3
17.5°	664.1	627.8	558.0	496.5	453.3	417.3	390.7	371.9	350.9	352.9	348.7
20°	680.0	636.9	554.9	478.3	432.1	389.2	357.2	344.4	315.5	308.1	303.3
22.5°	702.2	650.2	552.4	463.6	405.7	361.1	323.1	299.3	268.1	252.5	251.1
25°	733.6	670.1	552.1	451.9	381.9	331.6	278.6	238.6	211.1	192.6	190.1
27.5°	773.6	696.5	555.2	440.3	358.0	294.5	223.8	179.6	154.9	140.7	138.2
30°	831.2	731.1	559.2	427.0	331.4	246.3	166.8	132.2	111.8	101.6	99.6
32.5°	954.6	819.9	565.1	413.1	299.3	185.5	121.1	95.9	80.3	74.0	77.2
35°	1103.3	940.5	591.8	395.2	257.3	132.2	87.4	68.4	57.6	59.0	60.7
37.5°	1233.2	1055.6	651.7	372.2	201.1	97.0	60.1	51.1	51.1	55.6	59.6
40°	1355.8	1159.5	705.3	341.0	141.0	67.0	46.5	47.4	46.5	49.4	48.5
42.5°	1471.5	1257.9	747.3	303.8	92.2	46.2	42.3	44.0	42.6	43.1	40.6
45°	1581.1	1359.8	770.5	249.1	61.3	40.3	38.9	41.7	41.4	40.9	38.3
47.5°	1682.3	1449.4	782.2	179.6	42.3	36.3	36.6	38.6	39.4	38.9	37.4
50°	1781.6	1538.8	771.7	107.5	38.0	33.2	35.2	35.2	36.9	33.8	32.6
52.5°	1876.7	1628.4	738.5	65.3	34.9	30.9	32.6	32.1	32.9	29.8	29.2
55°	1966.0	1695.1	672.9	51.3	32.9	29.5	29.8	30.4	28.9	25.5	26.7
57.5°	2060.5	1751.8	581.6	46.5	32.1	27.5	28.1	27.8	25.5	22.4	22.4
60°	2138.2	1793.0	489.9	42.3	31.5	27.0	25.0	24.4	21.0	19.3	19.0
62.5°	2191.9	1804.6	400.6	37.7	29.8	25.0	22.4	20.7	17.6	15.9	15.3
65°	2196.1	1755.0	305.0	34.0	28.1	23.3	20.7	17.0	13.9	12.5	11.9
67.5°	2109.0	1617.1	215.0	31.2	25.2	21.6	18.2	13.6	11.1	9.9	9.6
70°	1926.9	1445.7	131.6	27.2	23.0	20.1	18.7	11.1	9.1	7.7	7.7
72.5°	1690.8	1252.2	77.2	23.3	19.3	16.2	12.5	9.4	7.7	6.0	6.0
75°	1449.1	994.1	47.4	17.6	14.2	12.8	9.6	7.9	6.2	4.5	4.5
77.5°	1043.4	733.9	36.9	11.3	8.8	9.1	7.1	6.2	5.1	3.7	3.7
80°	640.3	446.8	26.4	7.7	5.1	5.1	5.1	4.8	3.7	3.1	2.8
82.5°	324.6	204.3	13.1	4.5	3.1	3.1	3.1	3.4	2.8	2.3	2.3
85°	114.0	57.3	4.0	2.3	2.0	2.0	1.7	1.7	1.4	1.1	1.1
87.5°	0.3	0.6	0.6	0.9	1.1	1.1	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)