

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: P507540

Luminaire Tested: **VERD-S-CA1-40-730-U-T4-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-40-730-U-T4-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 760mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5347 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

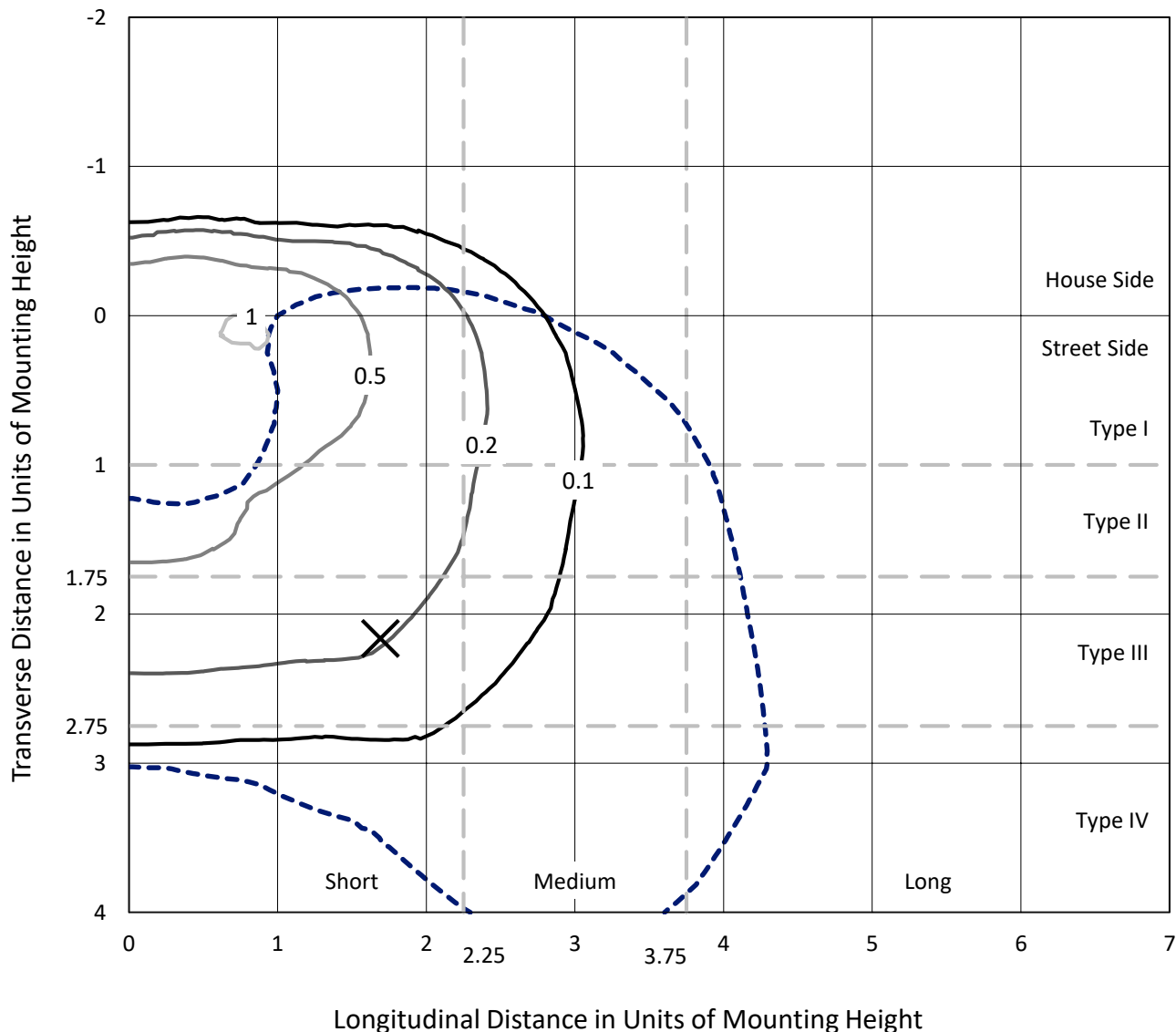
Input Watts (W): 43.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

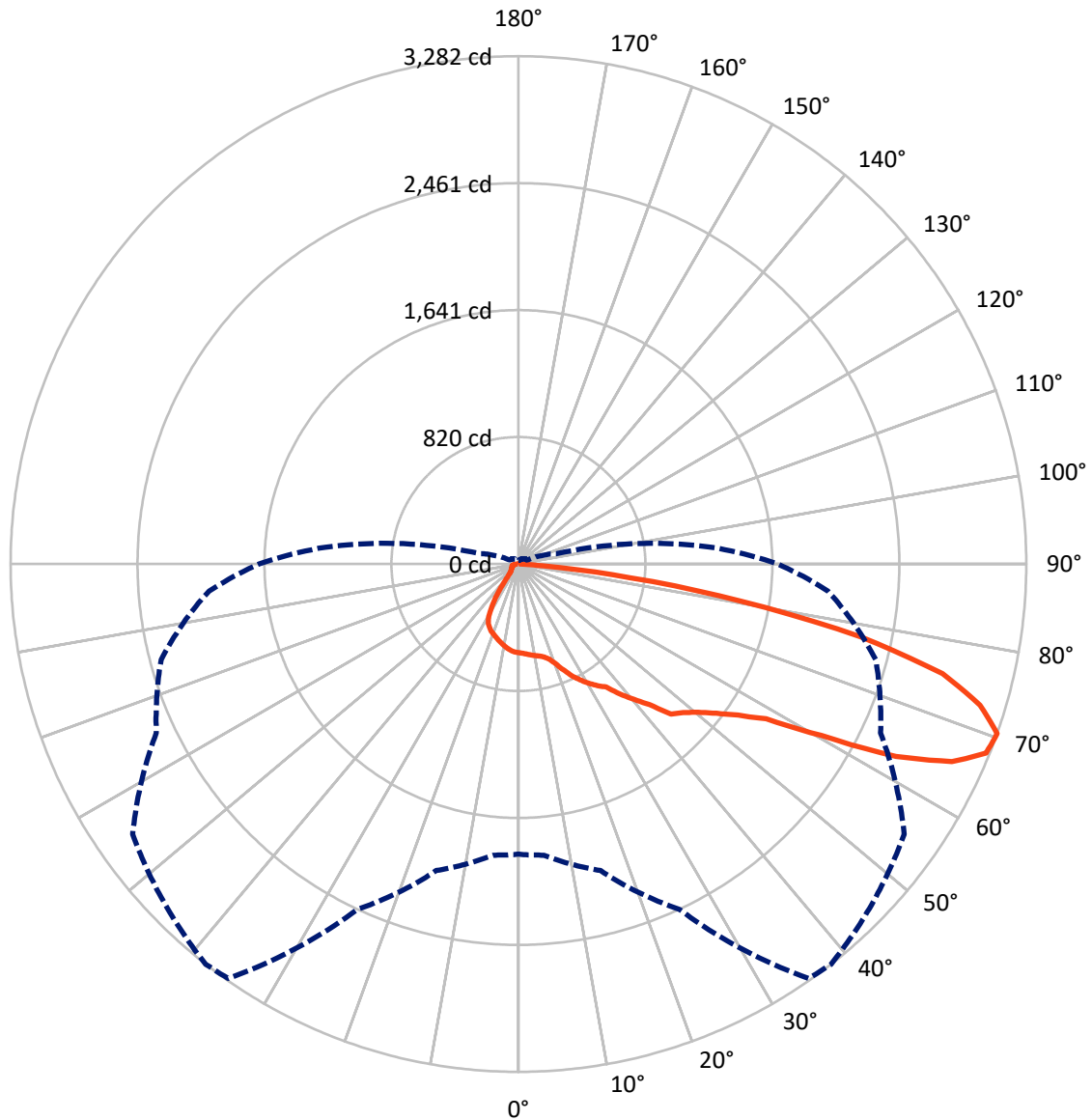
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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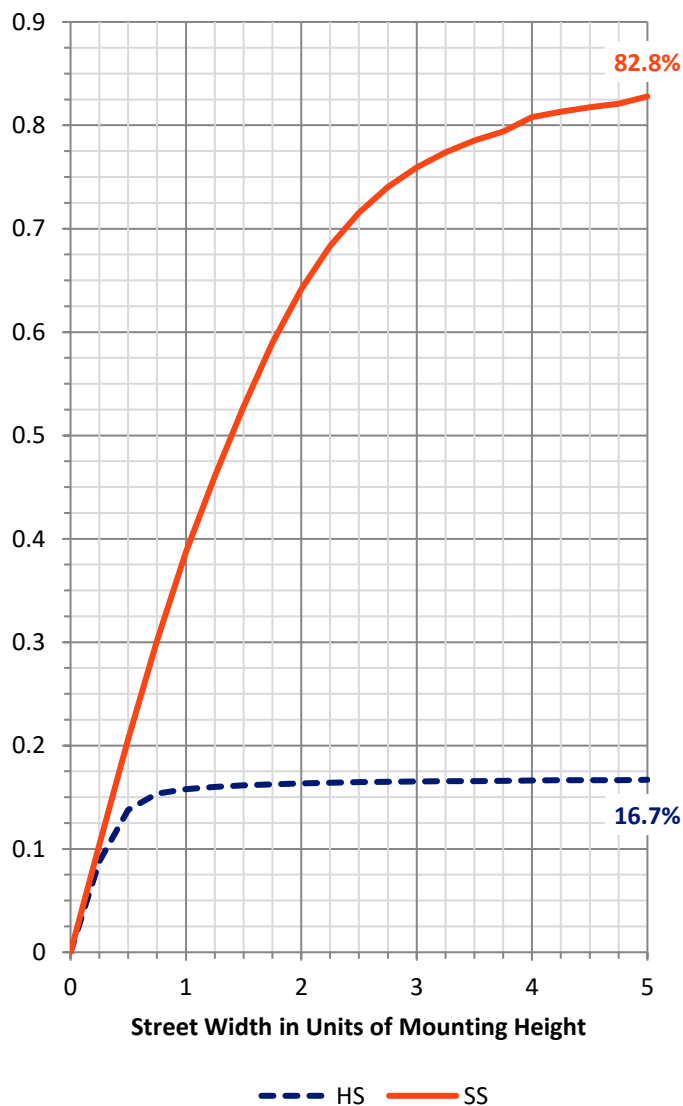
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	904.6	0.0	904.6
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	4442.4	0.0	4442.4
	% Fixture	83.1	0.0	83.1
Total	Lumens	5347.0	0.0	5347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.0
10°-20°	166.1	3.1
20°-30°	305.7	5.7
30°-40°	478.6	9.0
40°-50°	727.0	13.6
50°-60°	1045.4	19.6
60°-70°	1404.4	26.3
70°-80°	1040.5	19.5
80°-90°	124.4	2.3
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°	5347.0	100.0
0°-180°	5347.0	100.0

Coefficient of Utilization



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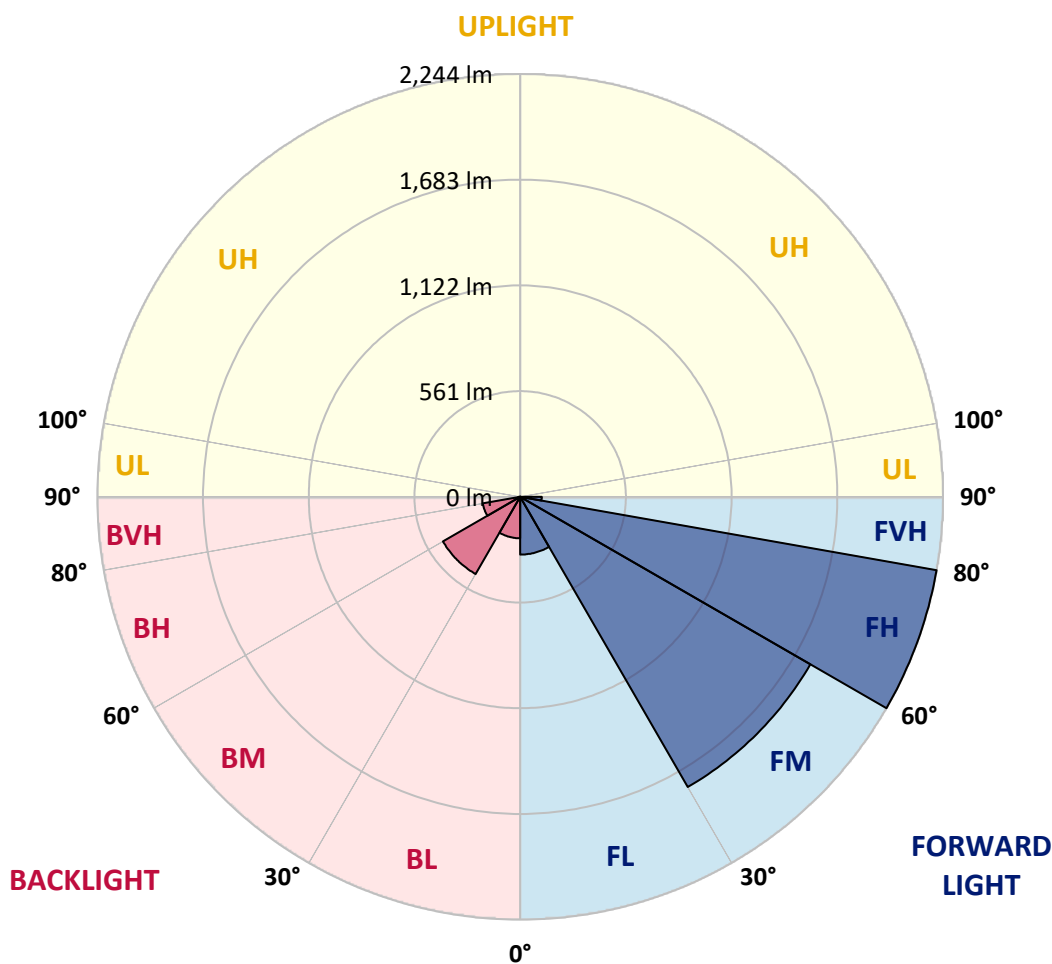
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.6	5.7			
FM	(30°-60°)	1777.8	33.2			
FH	(60°-80°)	2243.6	42.0			G2/5000
FVH	(80°-90°)	114.5	2.1			G2/225
BL	(0°-30°)	220.0	4.1	B1/500		
BM	(30°-60°)	473.2	8.8	B1/1000		
BH	(60°-80°)	201.4	3.8	B1/500		G1/500
BVH	(80°-90°)	10.0	0.2			G0/10
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°	38°	45°	55°	65°	75°	85°
0°	573.1	573.1	573.1	573.1	573.1	573.1	573.1	573.1	573.1	573.1	573.1
2.5°	581.6	581.6	581.6	579.9	579.9	578.2	578.2	576.5	576.5	574.8	573.1
5°	590.0	590.0	588.3	586.6	585.0	585.0	585.0	583.3	579.9	579.9	576.5
7.5°	593.4	593.4	593.4	593.4	593.4	593.4	593.4	591.7	590.0	588.3	585.0
10°	595.1	595.1	596.8	596.8	600.2	601.9	601.9	603.5	601.9	598.5	595.1
12.5°	600.2	601.9	601.9	603.5	608.6	610.3	612.0	617.1	617.1	613.7	610.3
15°	610.3	610.3	612.0	615.4	622.1	623.8	628.9	634.0	637.4	634.0	630.6
17.5°	640.7	640.7	640.7	640.7	644.1	645.8	652.6	661.0	664.4	664.4	662.7
20°	701.6	701.6	698.2	691.5	688.1	688.1	686.4	689.8	696.5	701.6	703.3
22.5°	770.9	769.2	767.5	757.4	745.6	742.2	738.8	735.4	738.8	747.3	750.6
25°	825.0	826.7	825.0	811.5	801.4	799.7	794.6	796.3	796.3	798.0	803.0
27.5°	869.0	872.4	865.6	858.8	852.1	847.0	850.4	855.5	863.9	860.5	870.7
30°	918.0	916.3	909.5	901.1	896.0	894.3	892.6	911.2	934.9	945.1	956.9
32.5°	1005.9	1004.2	990.7	948.4	936.6	936.6	940.0	963.6	1000.8	1033.0	1063.4
35°	1087.1	1087.1	1070.2	1041.4	990.7	975.5	983.9	1012.7	1066.8	1131.0	1180.0
37.5°	1183.4	1185.1	1166.5	1122.6	1082.0	1066.8	1026.2	1066.8	1132.7	1256.1	1317.0
40°	1295.0	1291.6	1261.2	1213.9	1161.5	1149.6	1115.8	1124.3	1217.2	1403.2	1462.4
42.5°	1357.6	1354.2	1333.9	1296.7	1254.4	1240.9	1210.5	1202.0	1330.5	1565.5	1604.4
45°	1418.4	1421.8	1420.1	1401.5	1391.4	1382.9	1366.0	1367.7	1470.8	1726.1	1727.8
47.5°	1453.9	1460.7	1433.6	1431.9	1433.6	1433.6	1457.3	1504.6	1604.4	1863.1	1836.0
50°	1558.7	1552.0	1469.1	1472.5	1494.5	1504.6	1548.6	1617.9	1790.4	1981.4	1929.0
52.5°	1770.1	1722.7	1617.9	1567.2	1575.7	1601.0	1653.4	1753.2	1976.3	2098.1	2011.8
55°	2006.8	1986.5	1878.3	1748.1	1690.6	1722.7	1778.5	1883.3	2123.4	2197.8	2081.1
57.5°	2170.7	2179.2	2182.6	2077.8	1876.6	1886.7	1922.2	2013.5	2255.3	2299.2	2133.6
60°	2329.7	2341.5	2405.7	2390.5	2324.6	2250.2	2111.6	2142.0	2368.5	2371.9	2174.1
62.5°	2456.5	2463.2	2566.4	2613.7	2732.0	2737.1	2512.3	2319.5	2483.5	2424.3	2189.3
65°	2392.2	2410.8	2561.3	2705.0	3041.4	3078.6	2990.7	2546.1	2571.4	2448.0	2179.2
67.5°	2175.8	2206.2	2348.3	2677.9	3234.1	3259.5	3181.7	2956.9	2603.5	2439.6	2123.4
70°	1874.9	1888.4	2050.7	2461.5	3269.6	3281.5	3185.1	3043.1	2581.6	2390.5	2006.8
72.5°	1524.9	1540.1	1680.5	2116.6	3109.0	3119.2	3093.8	2975.5	2529.2	2299.2	1770.1
75°	1144.5	1168.2	1301.8	1653.4	2745.6	2831.8	2884.2	2833.5	2383.8	1996.6	1347.4
77.5°	755.7	757.4	892.6	1249.4	2175.8	2262.0	2270.5	2228.2	1692.3	1252.7	598.5
80°	324.6	355.0	522.4	838.5	1445.5	1460.7	1477.6	1366.0	867.3	387.2	65.9
82.5°	108.2	120.0	219.8	442.9	711.7	728.7	698.2	605.2	243.4	52.4	37.2
85°	45.6	50.7	67.6	121.7	172.4	157.2	147.1	120.0	33.8	30.4	23.7
87.5°	1.7	1.7	1.7	1.7	3.4	1.7	3.4	3.4	5.1	5.1	6.8
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°	573.1	573.1	573.1	573.1	573.1	573.1	573.1	573.1	573.1	573.1	573.1
2.5°	573.1	573.1	573.1	571.4	571.4	569.7	569.7	568.0	568.0	568.0	568.0
5°	576.5	576.5	573.1	571.4	568.0	564.7	561.3	557.9	554.5	554.5	554.5
7.5°	583.3	581.6	576.5	569.7	563.0	554.5	549.4	542.7	539.3	535.9	537.6
10°	593.4	590.0	583.3	573.1	559.6	546.1	534.2	524.1	519.0	513.9	512.3
12.5°	606.9	603.5	593.4	578.2	557.9	537.6	519.0	503.8	493.7	488.6	486.9
15°	627.2	622.1	608.6	586.6	557.9	527.5	502.1	480.1	463.2	453.1	453.1
17.5°	659.3	654.3	635.7	605.2	564.7	522.4	483.5	446.3	424.3	412.5	410.8
20°	701.6	694.8	672.9	628.9	576.5	520.7	463.2	415.9	378.7	358.4	356.7
22.5°	750.6	745.6	711.7	654.3	588.3	517.3	448.0	385.5	333.1	295.9	287.4
25°	808.1	799.7	748.9	674.6	591.7	508.9	426.0	353.3	280.6	235.0	226.5
27.5°	875.7	857.1	782.8	689.8	590.0	492.0	400.7	307.7	213.0	179.2	174.1
30°	948.4	916.3	816.6	699.9	579.9	464.9	356.7	229.9	153.8	133.6	128.5
32.5°	1031.3	980.6	847.0	701.6	557.9	427.7	282.3	157.2	109.9	98.1	96.4
35°	1131.0	1061.7	879.1	694.8	525.8	366.9	196.1	106.5	81.1	77.8	77.8
37.5°	1261.2	1164.8	914.6	674.6	476.8	284.0	130.2	72.7	71.0	72.7	72.7
40°	1398.1	1283.2	958.6	644.1	414.2	204.6	82.8	67.6	67.6	69.3	69.3
42.5°	1528.3	1396.4	1014.4	603.5	343.2	131.9	67.6	64.2	62.6	64.2	65.9
45°	1638.2	1503.0	1068.5	559.6	262.0	84.5	65.9	60.9	57.5	59.2	59.2
47.5°	1736.3	1584.1	1098.9	507.2	184.3	65.9	65.9	55.8	52.4	52.4	54.1
50°	1819.1	1648.3	1115.8	446.3	116.7	64.2	59.2	52.4	49.0	49.0	47.3
52.5°	1888.4	1695.7	1114.1	378.7	76.1	62.6	55.8	49.0	44.0	45.6	45.6
55°	1940.8	1732.9	1088.8	290.8	64.2	59.2	54.1	45.6	42.3	45.6	45.6
57.5°	1981.4	1749.8	1041.4	202.9	62.6	54.1	50.7	42.3	38.9	40.6	40.6
60°	2001.7	1741.3	967.0	126.8	60.9	52.4	47.3	38.9	35.5	33.8	35.5
62.5°	1994.9	1710.9	860.5	84.5	57.5	49.0	44.0	37.2	32.1	28.7	28.7
65°	1954.3	1643.3	733.7	71.0	55.8	49.0	42.3	35.5	28.7	27.0	27.0
67.5°	1863.1	1503.0	544.4	65.9	55.8	47.3	40.6	33.8	28.7	25.4	25.4
70°	1675.4	1251.1	262.0	60.9	55.8	49.0	40.6	32.1	27.0	23.7	23.7
72.5°	1355.9	884.2	67.6	52.4	54.1	49.0	42.3	32.1	25.4	22.0	22.0
75°	884.2	424.3	57.5	42.3	49.0	45.6	40.6	32.1	25.4	20.3	20.3
77.5°	287.4	59.2	52.4	37.2	44.0	44.0	40.6	32.1	25.4	18.6	18.6
80°	45.6	42.3	45.6	28.7	32.1	37.2	32.1	30.4	23.7	16.9	16.9
82.5°	32.1	38.9	33.8	23.7	28.7	30.4	25.4	20.3	16.9	15.2	15.2
85°	23.7	25.4	20.3	18.6	22.0	25.4	20.3	15.2	13.5	13.5	13.5
87.5°	8.5	10.1	10.1	13.5	16.9	18.6	11.8	8.5	10.1	10.1	10.1
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)