

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: P507464

Luminaire Tested: **VERD-S-CA1-20-760-U-T2-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-20-760-U-T2-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 430mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3264 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

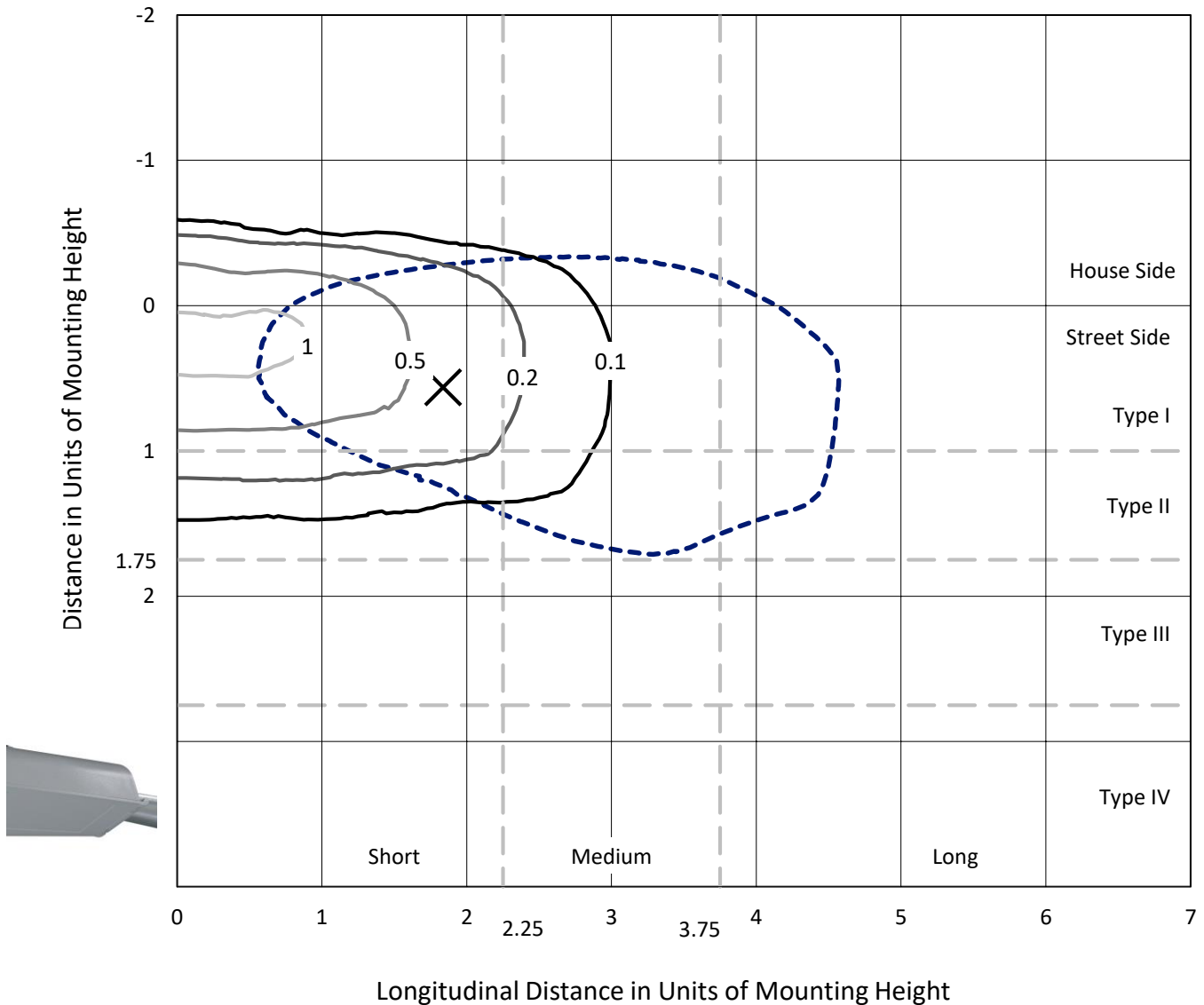
Input Watts (W): 23.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

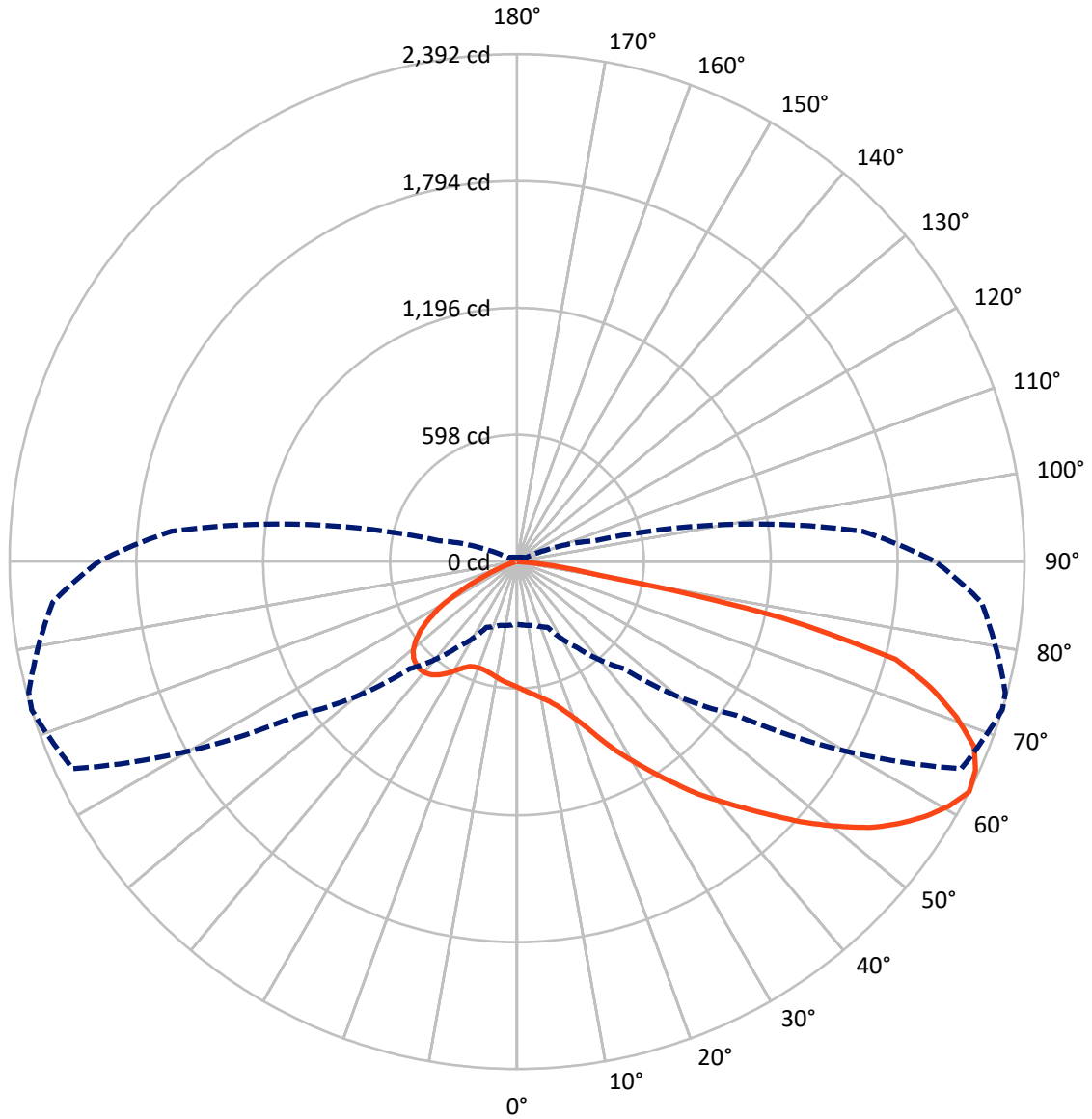
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

REPORT NUMBER: P507464
CATALOG NUMBER: VERD-S-CA1-20-760-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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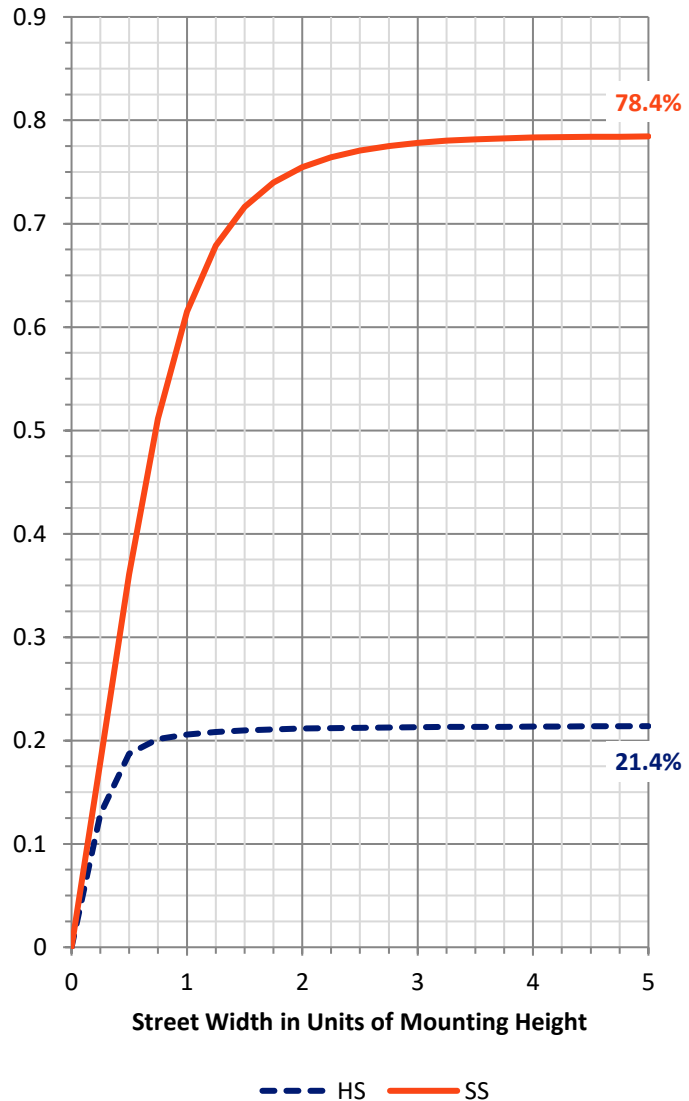
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	707.0	0.0	707.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2557.0	0.0	2557.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	3264.0	0.0	3264.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.7
10°-20°	170.7	5.2
20°-30°	295.3	9.0
30°-40°	433.7	13.3
40°-50°	563.7	17.3
50°-60°	653.5	20.0
60°-70°	657.7	20.2
70°-80°	400.8	12.3
80°-90°	31.9	1.0
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°	3264.0	100.0
0°-180°	3264.0	100.0



REPORT NUMBER: P507464

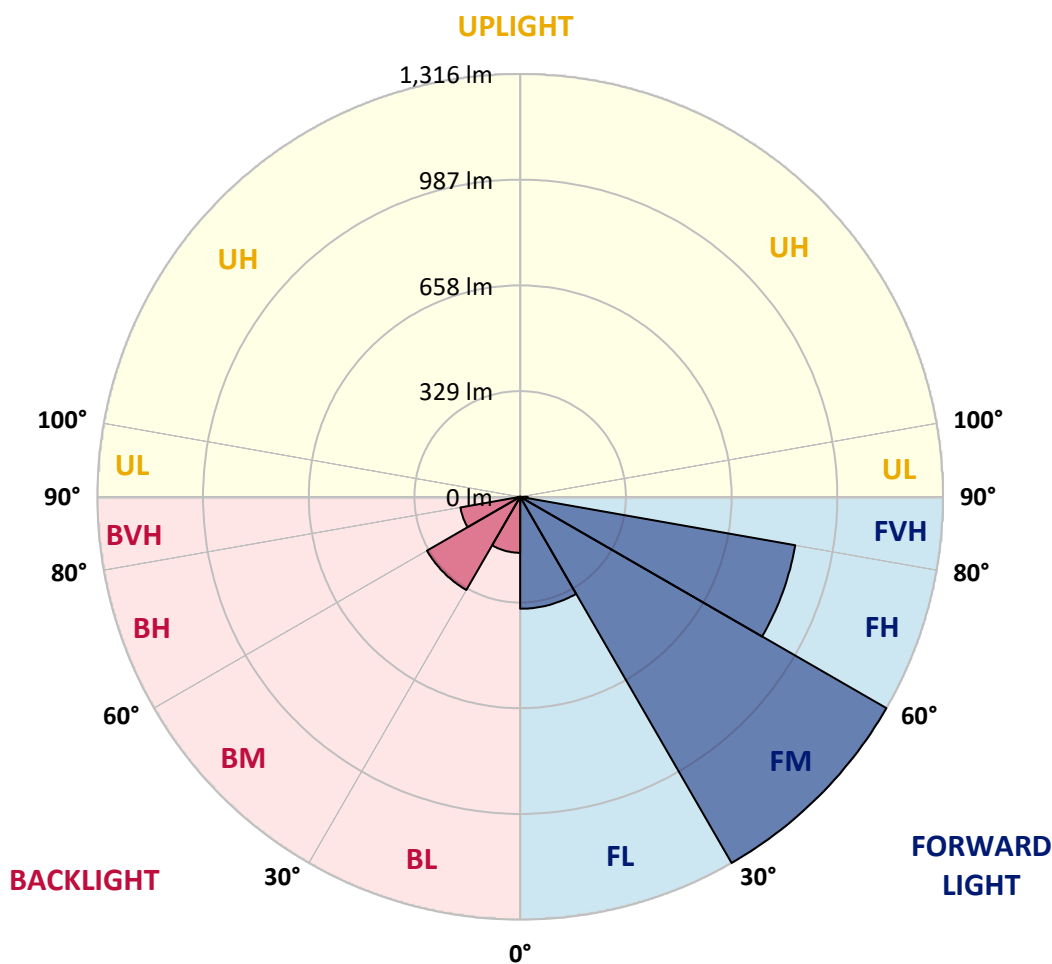
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	348.4	10.7			
FM	(30°-60°)	1316.0	40.3			
FH	(60°-80°)	869.4	26.6			G1/1800
FVH	(80°-90°)	23.2	0.7			G1/100
BL	(0°-30°)	174.3	5.3	B1/500		
BM	(30°-60°)	334.9	10.3	B1/1000		
BH	(60°-80°)	189.1	5.8	B1/500		G1/500
BVH	(80°-90°)	8.7	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





REPORT NUMBER: P507464

CATALOG NUMBER: VERD-S-CA1-20-760-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9
2.5°	632.8	632.8	631.8	630.8	626.8	622.8	616.8	611.9	606.9	604.9	596.9
5°	669.7	669.7	668.7	664.7	659.7	652.7	642.8	629.8	620.8	619.8	605.9
7.5°	700.6	699.6	698.6	696.6	691.6	682.6	667.7	650.7	635.8	631.8	614.9
10°	730.5	731.4	729.5	724.5	718.5	707.5	692.6	672.7	654.7	648.7	622.8
12.5°	762.3	761.3	758.4	752.4	744.4	735.4	719.5	699.6	675.6	669.7	635.8
15°	789.2	790.2	785.3	781.3	773.3	763.3	749.4	729.5	705.5	698.6	654.7
17.5°	813.2	813.2	812.2	810.2	804.2	797.2	783.3	769.3	744.4	733.4	683.6
20°	831.1	832.1	834.1	838.1	839.1	833.1	826.1	816.2	792.2	781.3	719.5
22.5°	847.0	849.0	857.0	869.0	878.9	878.9	877.9	876.9	853.0	846.1	772.3
25°	851.0	854.0	872.0	897.9	913.8	926.8	944.7	951.7	933.7	921.8	841.1
27.5°	857.0	860.0	879.9	910.8	950.7	979.6	1011.5	1029.4	1016.5	1004.5	919.8
30°	852.0	856.0	877.9	921.8	974.6	1035.4	1075.3	1102.2	1098.2	1091.2	1001.5
32.5°	839.1	843.1	869.0	922.8	1003.5	1092.2	1137.0	1178.9	1189.9	1183.9	1087.2
35°	813.2	817.2	849.0	914.8	1017.5	1135.0	1198.8	1260.6	1285.5	1281.5	1180.9
37.5°	780.3	780.3	818.1	890.9	1022.4	1167.9	1253.6	1342.3	1391.1	1385.2	1275.6
40°	725.5	735.4	782.3	865.0	1014.5	1191.8	1306.4	1427.0	1487.8	1484.8	1378.2
42.5°	670.7	678.6	723.5	820.1	995.5	1205.8	1350.3	1515.7	1594.4	1592.4	1476.9
45°	621.8	627.8	664.7	758.4	955.7	1209.8	1392.1	1610.4	1712.0	1708.0	1577.5
47.5°	559.1	571.0	617.8	700.6	900.9	1197.8	1431.0	1729.0	1839.6	1835.6	1686.1
50°	423.5	431.5	529.2	653.7	830.1	1167.9	1462.9	1845.6	1960.2	1952.2	1784.8
52.5°	384.7	389.6	420.5	595.9	764.3	1114.1	1482.8	1985.1	2082.7	2069.8	1886.4
55°	359.7	363.7	381.7	477.3	706.5	1023.4	1488.8	2116.6	2181.4	2168.4	1980.1
57.5°	337.8	339.8	357.8	406.6	637.8	908.8	1467.9	2214.3	2268.1	2254.1	2060.8
60°	314.9	317.9	334.8	370.7	555.1	803.2	1403.1	2292.0	2339.8	2327.9	2131.6
62.5°	296.0	300.0	310.9	341.8	495.3	713.5	1261.6	2309.9	2391.7	2382.7	2197.3
65°	273.0	276.0	290.0	315.9	433.5	657.7	1118.1	2257.1	2374.7	2385.7	2234.2
67.5°	246.1	249.1	261.1	281.0	363.7	598.9	992.5	2182.4	2322.9	2337.8	2207.3
70°	213.3	215.2	227.2	246.1	301.9	522.2	861.0	2072.8	2197.3	2208.3	2100.7
72.5°	177.4	177.4	186.4	208.3	248.1	432.5	690.6	1841.6	2043.9	2070.8	1920.3
75°	74.7	78.7	94.7	114.6	158.4	315.9	472.4	1418.1	1843.6	1866.5	1696.1
77.5°	14.9	15.9	17.9	26.9	41.9	137.5	146.5	618.8	1279.5	1294.5	1238.7
80°	12.0	12.0	13.0	19.9	27.9	63.8	47.8	202.3	398.6	513.2	661.7
82.5°	4.0	5.0	7.0	11.0	14.0	14.0	15.9	101.6	197.3	212.3	267.1
85°	2.0	2.0	3.0	4.0	4.0	4.0	4.0	17.9	33.9	40.9	56.8
87.5°	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	3.0	4.0
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°	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9	592.9
2.5°	592.9	589.9	583.0	578.0	571.0	565.0	558.1	554.1	552.1	551.1	549.1
5°	597.9	589.9	576.0	561.0	548.1	538.1	524.2	517.2	513.2	511.2	510.2
7.5°	603.9	593.9	570.0	547.1	524.2	507.2	490.3	479.3	474.3	473.3	472.4
10°	607.9	591.9	560.0	535.1	505.2	478.3	458.4	445.4	438.5	437.5	436.5
12.5°	615.9	594.9	552.1	516.2	485.3	450.4	429.5	414.6	407.6	401.6	401.6
15°	628.8	601.9	548.1	500.3	459.4	425.5	398.6	382.7	377.7	369.7	367.7
17.5°	650.7	614.9	545.1	484.3	435.5	401.6	369.7	352.8	349.8	342.8	338.8
20°	677.6	633.8	547.1	469.4	410.6	371.7	339.8	322.9	312.9	306.9	304.9
22.5°	720.5	661.7	554.1	458.4	388.6	344.8	310.9	284.0	262.1	254.1	254.1
25°	781.3	709.5	566.0	449.4	366.7	318.9	277.0	231.2	202.3	191.3	188.3
27.5°	850.0	770.3	593.9	441.5	348.8	290.0	228.2	177.4	146.5	136.5	136.5
30°	928.8	834.1	627.8	436.5	326.9	246.1	172.4	129.5	104.6	93.7	92.7
32.5°	1006.5	899.9	667.7	432.5	303.9	192.3	124.6	94.7	73.7	65.8	66.8
35°	1084.2	964.6	701.6	432.5	266.1	138.5	88.7	65.8	52.8	48.8	48.8
37.5°	1171.9	1037.4	728.5	426.5	209.3	98.7	60.8	47.8	43.8	41.9	41.9
40°	1262.6	1105.1	746.4	413.6	149.5	67.8	42.9	41.9	39.9	36.9	35.9
42.5°	1347.3	1182.9	757.4	388.6	97.7	44.8	37.9	38.9	37.9	32.9	31.9
45°	1437.0	1245.7	763.3	338.8	64.8	36.9	33.9	35.9	36.9	32.9	31.9
47.5°	1526.7	1314.4	767.3	264.1	42.9	35.9	31.9	34.9	35.9	31.9	30.9
50°	1621.3	1377.2	761.3	169.4	37.9	33.9	30.9	31.9	33.9	31.9	30.9
52.5°	1704.1	1434.0	733.4	94.7	36.9	32.9	28.9	29.9	32.9	30.9	30.9
55°	1788.8	1489.8	681.6	55.8	35.9	30.9	28.9	29.9	30.9	28.9	29.9
57.5°	1865.5	1543.6	603.9	45.8	35.9	29.9	29.9	27.9	27.9	25.9	25.9
60°	1924.3	1592.4	511.2	42.9	33.9	30.9	27.9	25.9	23.9	21.9	21.9
62.5°	1971.1	1634.3	379.7	39.9	32.9	29.9	25.9	22.9	19.9	17.9	17.9
65°	1997.0	1643.3	268.1	35.9	30.9	28.9	23.9	19.9	15.9	14.9	14.9
67.5°	1967.1	1596.4	163.4	33.9	28.9	27.9	22.9	17.9	14.0	13.0	13.0
70°	1852.5	1470.9	91.7	30.9	25.9	24.9	20.9	15.9	13.0	11.0	11.0
72.5°	1663.2	1286.5	45.8	25.9	21.9	21.9	18.9	14.0	12.0	10.0	10.0
75°	1405.1	1055.3	32.9	18.9	17.9	17.9	15.9	13.0	11.0	9.0	9.0
77.5°	1029.4	695.6	26.9	15.9	13.0	13.0	14.0	12.0	10.0	8.0	8.0
80°	533.1	344.8	22.9	12.0	11.0	10.0	10.0	10.0	8.0	7.0	7.0
82.5°	236.2	132.5	14.9	9.0	9.0	8.0	8.0	8.0	7.0	6.0	6.0
85°	45.8	24.9	8.0	7.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0
87.5°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0
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)