

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: P507466

Luminaire Tested: **VERD-S-CA1-20-760-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-5)
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-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 430mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3283 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

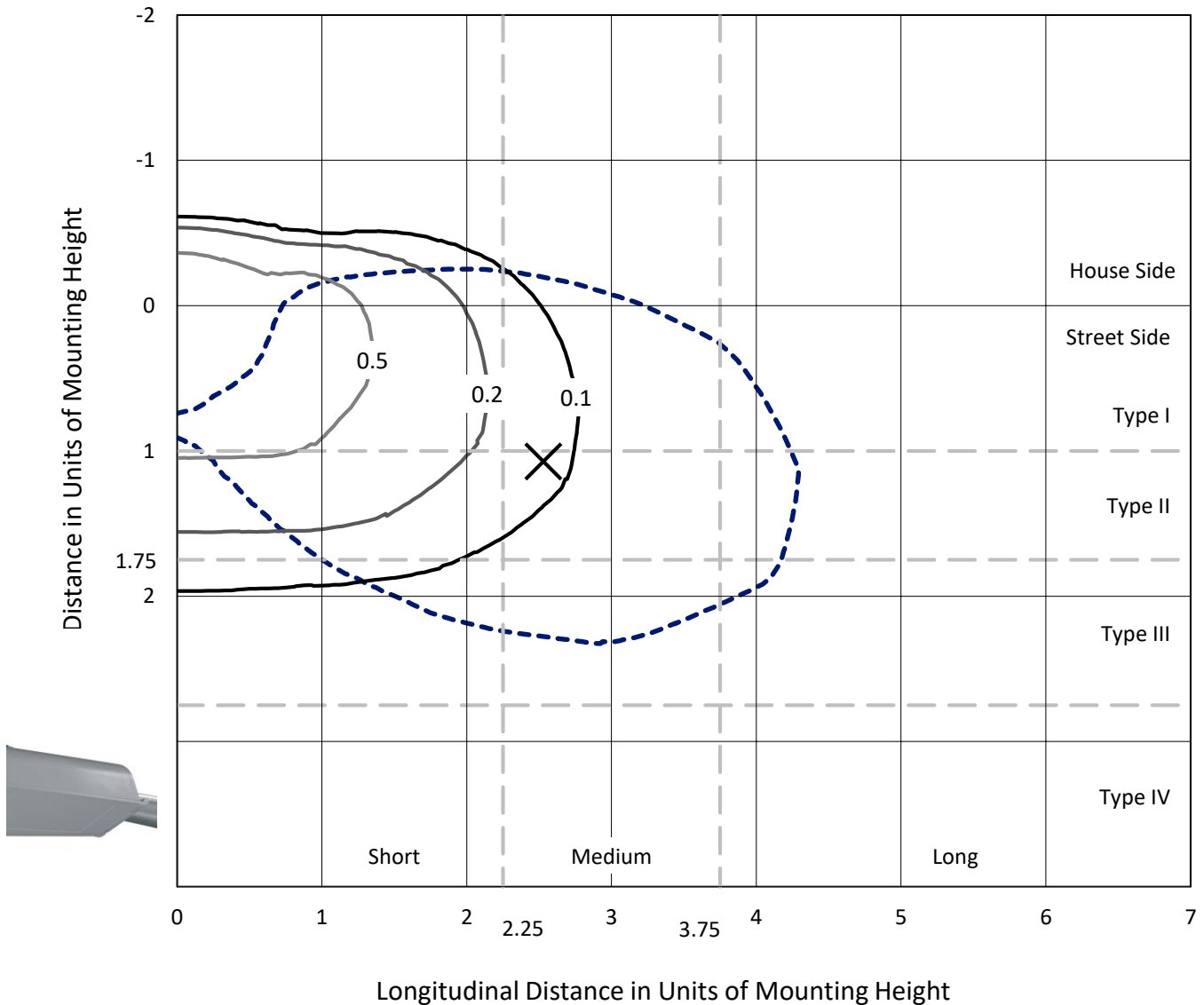
Input Watts (W): 23.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

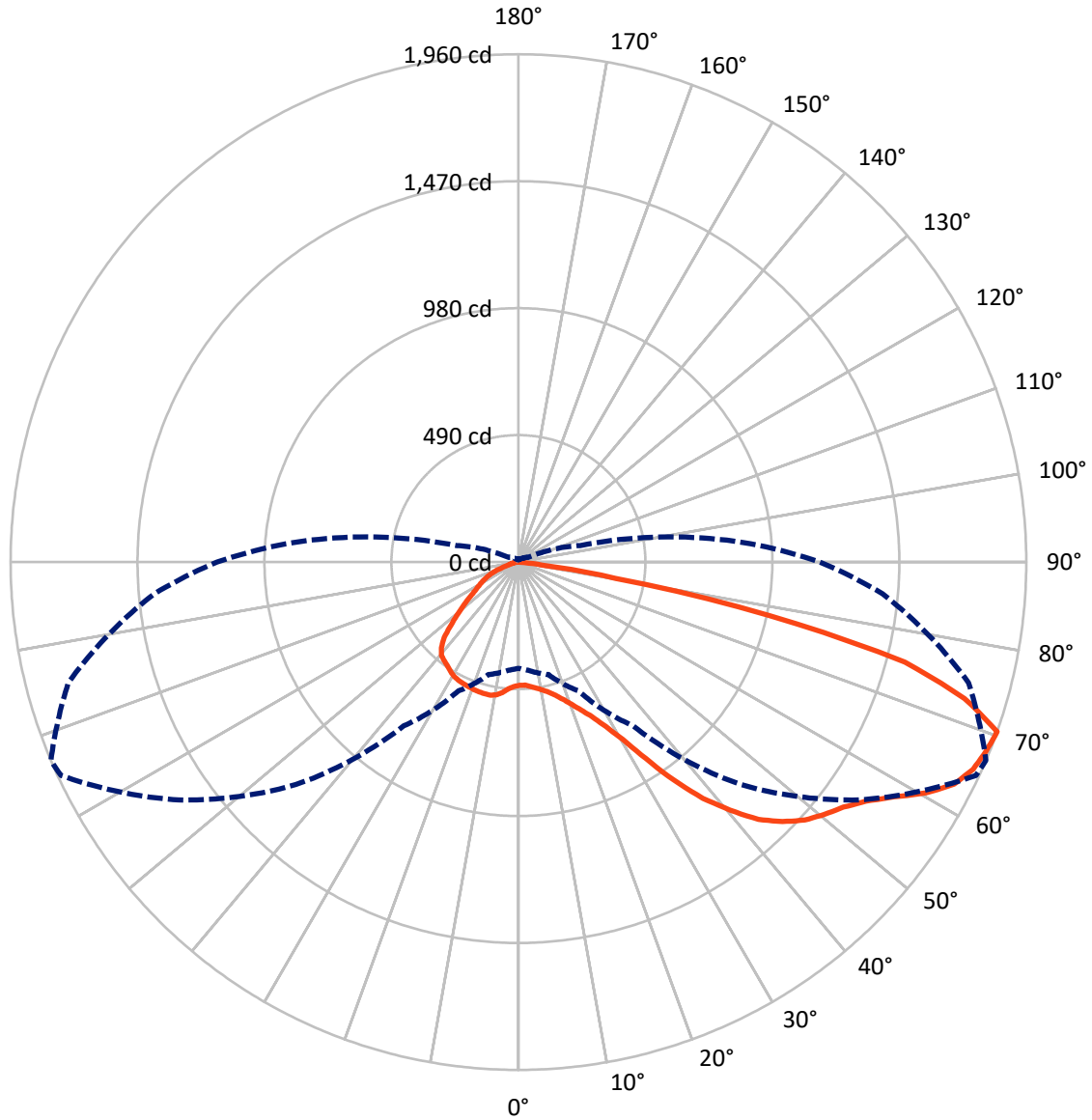
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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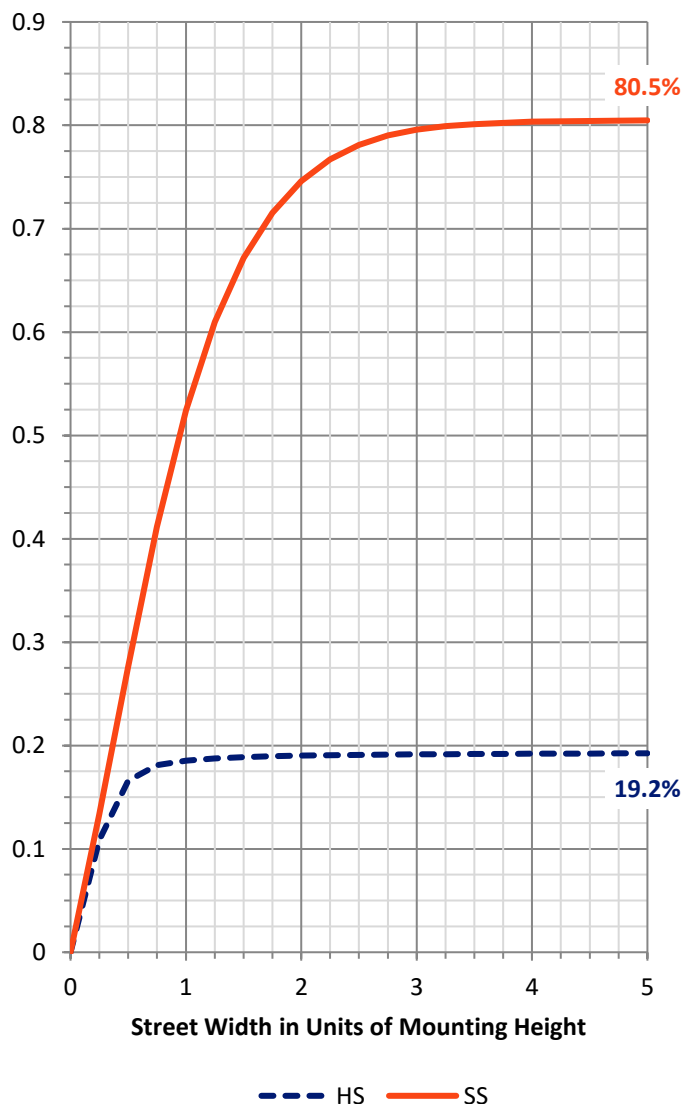
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.8	0.0	639.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2643.2	0.0	2643.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	3283.0	0.0	3283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.5
10°-20°	151.5	4.6
20°-30°	263.4	8.0
30°-40°	412.4	12.6
40°-50°	580.3	17.7
50°-60°	692.1	21.1
60°-70°	717.2	21.8
70°-80°	395.7	12.1
80°-90°	22.5	0.7
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°	3283.0	100.0
0°-180°	3283.0	100.0

Coefficient of Utilization



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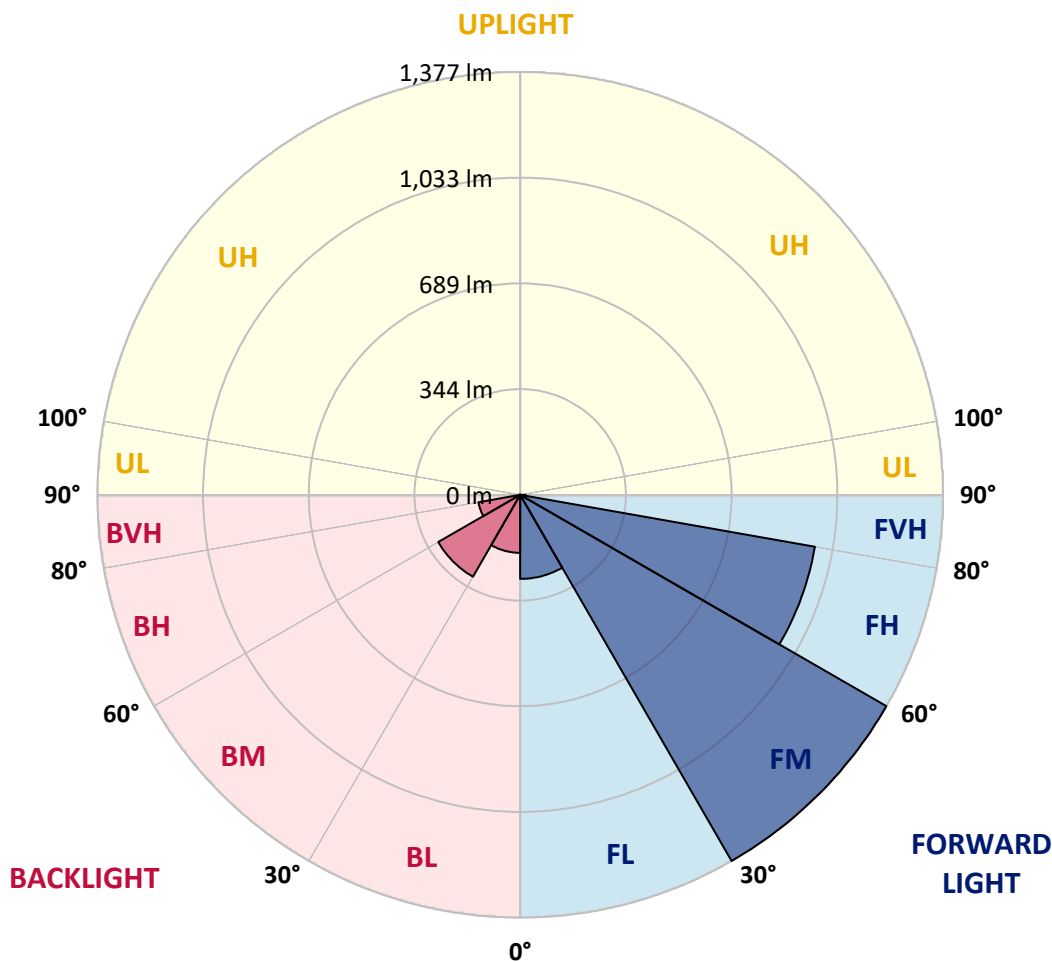
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.9	8.3			
FM (30°-60°)	1377.0	41.9			
FH (60°-80°)	974.8	29.7			G1/1800
FVH (80°-90°)	17.5	0.5			G1/100
BL (0°-30°)	188.9	5.8	B1/500		
BM (30°-60°)	307.7	9.4	B1/1000		
BH (60°-80°)	138.1	4.2	B1/500		G1/500
BVH (80°-90°)	5.0	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4
2.5°	478.4	478.4	478.4	477.4	477.4	477.4	476.4	475.4	475.4	475.4	476.4
5°	491.4	491.4	490.4	489.4	488.4	485.4	483.4	482.4	482.4	481.4	483.4
7.5°	507.3	507.3	507.3	505.3	502.3	498.4	494.4	491.4	490.4	489.4	490.4
10°	531.3	531.3	529.3	526.3	521.3	515.3	508.3	502.3	501.3	499.4	501.3
12.5°	562.1	559.2	557.2	552.2	546.2	536.2	525.3	516.3	514.3	512.3	519.3
15°	594.0	593.0	588.1	585.1	575.1	562.1	547.2	535.2	533.2	529.3	535.2
17.5°	631.9	632.9	630.9	625.9	612.0	593.0	575.1	558.2	556.2	553.2	556.2
20°	683.7	681.8	677.8	670.8	654.8	629.9	607.0	588.1	585.1	583.1	580.1
22.5°	735.6	736.6	728.6	721.6	701.7	677.8	646.9	623.9	620.0	619.0	605.0
25°	785.4	787.4	784.4	775.4	758.5	727.6	693.7	665.8	660.8	659.8	635.9
27.5°	837.2	838.2	841.2	837.2	819.3	787.4	749.5	717.6	717.6	709.7	673.8
30°	887.1	889.1	891.1	891.1	882.1	854.2	821.3	793.4	793.4	787.4	725.6
32.5°	926.0	926.9	938.9	948.9	948.9	928.9	907.0	904.0	903.0	914.0	844.2
35°	960.8	963.8	980.8	1007.7	1018.6	1010.7	1011.7	1022.6	1033.6	1060.5	1007.7
37.5°	986.8	990.7	1006.7	1037.6	1068.5	1089.4	1109.3	1139.2	1156.2	1197.1	1124.3
40°	993.7	998.7	1032.6	1076.5	1126.3	1174.1	1210.0	1246.9	1257.9	1286.8	1195.1
42.5°	971.8	976.8	1019.6	1108.4	1178.1	1252.9	1291.7	1338.6	1357.5	1346.6	1253.9
45°	956.8	959.8	1004.7	1105.4	1223.0	1329.6	1367.5	1416.3	1428.3	1402.4	1302.7
47.5°	937.9	940.9	987.7	1101.4	1259.9	1395.4	1421.3	1475.1	1487.1	1447.2	1344.6
50°	910.0	912.0	965.8	1093.4	1283.8	1442.3	1471.2	1525.0	1530.0	1489.1	1384.4
52.5°	876.1	882.1	933.9	1074.5	1300.7	1471.2	1506.0	1563.9	1570.8	1542.9	1428.3
55°	830.3	837.2	897.0	1046.6	1294.7	1481.1	1522.0	1615.7	1627.6	1604.7	1465.2
57.5°	783.4	793.4	852.2	1007.7	1270.8	1496.1	1574.8	1692.4	1708.4	1665.5	1495.1
60°	735.6	739.6	800.4	954.9	1230.9	1511.0	1634.6	1793.1	1808.0	1725.3	1519.0
62.5°	680.8	685.7	739.6	882.1	1162.2	1497.1	1679.5	1877.8	1886.8	1775.2	1529.0
65°	617.0	617.0	662.8	793.4	1069.5	1447.2	1685.5	1921.7	1927.7	1807.1	1517.0
67.5°	528.3	532.2	569.1	683.7	944.9	1349.6	1651.6	1931.6	1946.6	1827.0	1484.1
70°	409.7	418.6	449.5	548.2	771.5	1214.0	1600.7	1947.6	1959.5	1798.1	1410.4
72.5°	280.1	289.0	317.0	375.8	556.2	973.8	1448.2	1797.1	1800.1	1657.5	1266.8
75°	73.8	81.7	103.7	150.5	233.2	654.8	1158.2	1522.0	1539.9	1433.3	1045.6
77.5°	21.9	21.9	26.9	34.9	47.8	133.6	589.1	969.8	987.7	944.9	651.9
80°	16.9	16.9	19.9	23.9	30.9	68.8	204.3	357.8	379.7	405.7	269.1
82.5°	11.0	12.0	13.0	14.0	14.0	27.9	54.8	91.7	90.7	98.7	86.7
85°	7.0	7.0	6.0	6.0	5.0	7.0	5.0	6.0	7.0	7.0	8.0
87.5°	1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0	2.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4
2.5°	477.4	478.4	479.4	480.4	482.4	482.4	483.4	483.4	483.4	483.4	483.4
5°	483.4	484.4	487.4	490.4	497.4	501.3	505.3	508.3	508.3	510.3	510.3
7.5°	492.4	495.4	504.3	508.3	514.3	520.3	523.3	524.3	526.3	526.3	526.3
10°	507.3	510.3	517.3	520.3	523.3	523.3	522.3	521.3	518.3	517.3	518.3
12.5°	521.3	525.3	525.3	524.3	521.3	517.3	512.3	507.3	502.3	498.4	498.4
15°	538.2	536.2	530.3	522.3	514.3	504.3	494.4	485.4	477.4	474.4	474.4
17.5°	553.2	548.2	535.2	520.3	503.3	487.4	471.4	456.5	442.5	437.6	434.6
20°	571.1	562.1	539.2	516.3	492.4	467.5	440.5	413.6	389.7	379.7	378.8
22.5°	592.1	577.1	545.2	510.3	478.4	440.5	395.7	357.8	333.9	321.9	319.9
25°	617.0	595.0	551.2	505.3	461.5	405.7	345.9	303.0	273.1	260.1	255.2
27.5°	647.9	619.0	559.2	499.4	435.6	362.8	295.0	245.2	212.3	196.4	194.4
30°	687.7	647.9	567.1	490.4	403.7	313.0	240.2	184.4	151.5	135.6	131.6
32.5°	779.4	706.7	577.1	475.4	363.8	265.1	181.4	123.6	90.7	75.8	74.8
35°	934.9	839.2	600.0	455.5	323.9	208.3	116.6	65.8	48.8	42.9	42.9
37.5°	1051.5	949.9	661.8	429.6	272.1	139.5	59.8	38.9	30.9	29.9	29.9
40°	1121.3	1015.7	729.6	400.7	210.3	74.8	36.9	29.9	27.9	26.9	26.9
42.5°	1179.1	1070.5	761.5	364.8	133.6	41.9	30.9	27.9	25.9	24.9	24.9
45°	1227.0	1112.3	765.5	318.9	74.8	34.9	28.9	24.9	23.9	22.9	22.9
47.5°	1264.8	1148.2	755.5	254.2	46.8	32.9	26.9	22.9	20.9	20.9	20.9
50°	1300.7	1179.1	727.6	200.3	43.9	30.9	24.9	20.9	19.9	19.9	19.9
52.5°	1333.6	1201.0	680.8	161.5	40.9	28.9	23.9	19.9	17.9	18.9	18.9
55°	1360.5	1210.0	632.9	124.6	38.9	27.9	22.9	18.9	16.9	16.9	16.9
57.5°	1375.5	1191.1	593.0	94.7	37.9	26.9	21.9	17.9	15.0	14.0	14.0
60°	1376.5	1166.2	556.2	79.7	35.9	24.9	20.9	15.9	13.0	12.0	12.0
62.5°	1358.5	1136.3	500.4	68.8	33.9	23.9	18.9	15.0	12.0	11.0	11.0
65°	1323.6	1083.4	438.6	58.8	32.9	23.9	16.9	14.0	12.0	10.0	10.0
67.5°	1267.8	995.7	355.8	51.8	30.9	21.9	16.9	13.0	11.0	10.0	10.0
70°	1162.2	870.1	246.2	44.9	28.9	19.9	15.9	13.0	11.0	9.0	9.0
72.5°	1001.7	706.7	121.6	36.9	24.9	19.9	15.9	12.0	10.0	9.0	9.0
75°	774.5	506.3	73.8	29.9	19.9	17.9	15.0	12.0	10.0	8.0	8.0
77.5°	455.5	225.3	52.8	22.9	15.0	14.0	13.0	11.0	9.0	8.0	8.0
80°	166.5	95.7	38.9	17.9	12.0	12.0	10.0	9.0	8.0	7.0	7.0
82.5°	64.8	50.8	25.9	13.0	10.0	9.0	8.0	7.0	6.0	6.0	6.0
85°	9.0	9.0	9.0	7.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0
87.5°	3.0	3.0	3.0	4.0	3.0	3.0	2.0	2.0	2.0	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)