

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: P507660

Luminaire Tested: **VERD-S-CA1-60-760-U-T4-HSS**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507660  
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-CA1-60-760-U-T4-HSS  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5700K, 1150mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7757 lumens  
Efficiency: N/A  
Efficacy: 122.5 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

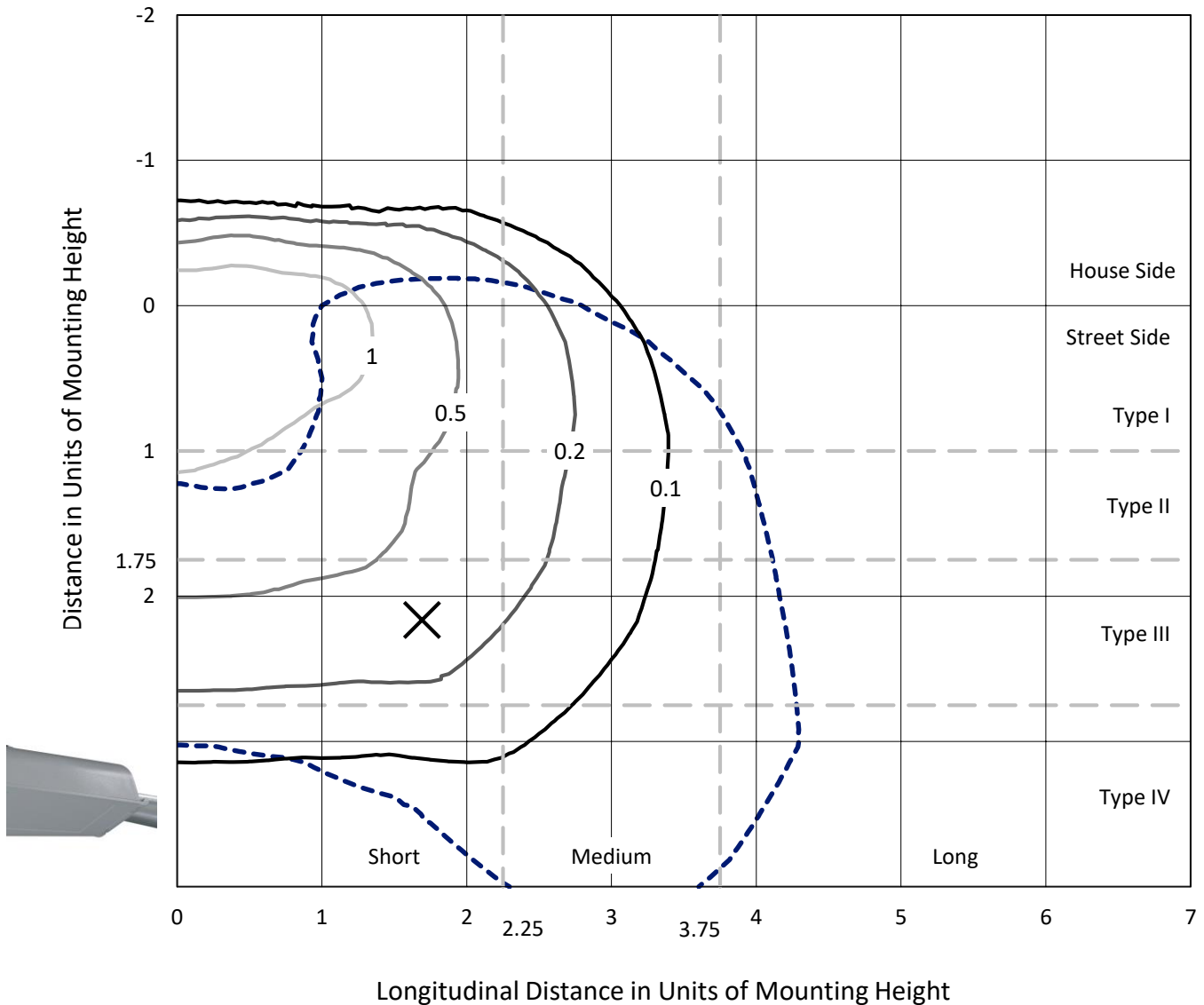
Input Watts (W): 63.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

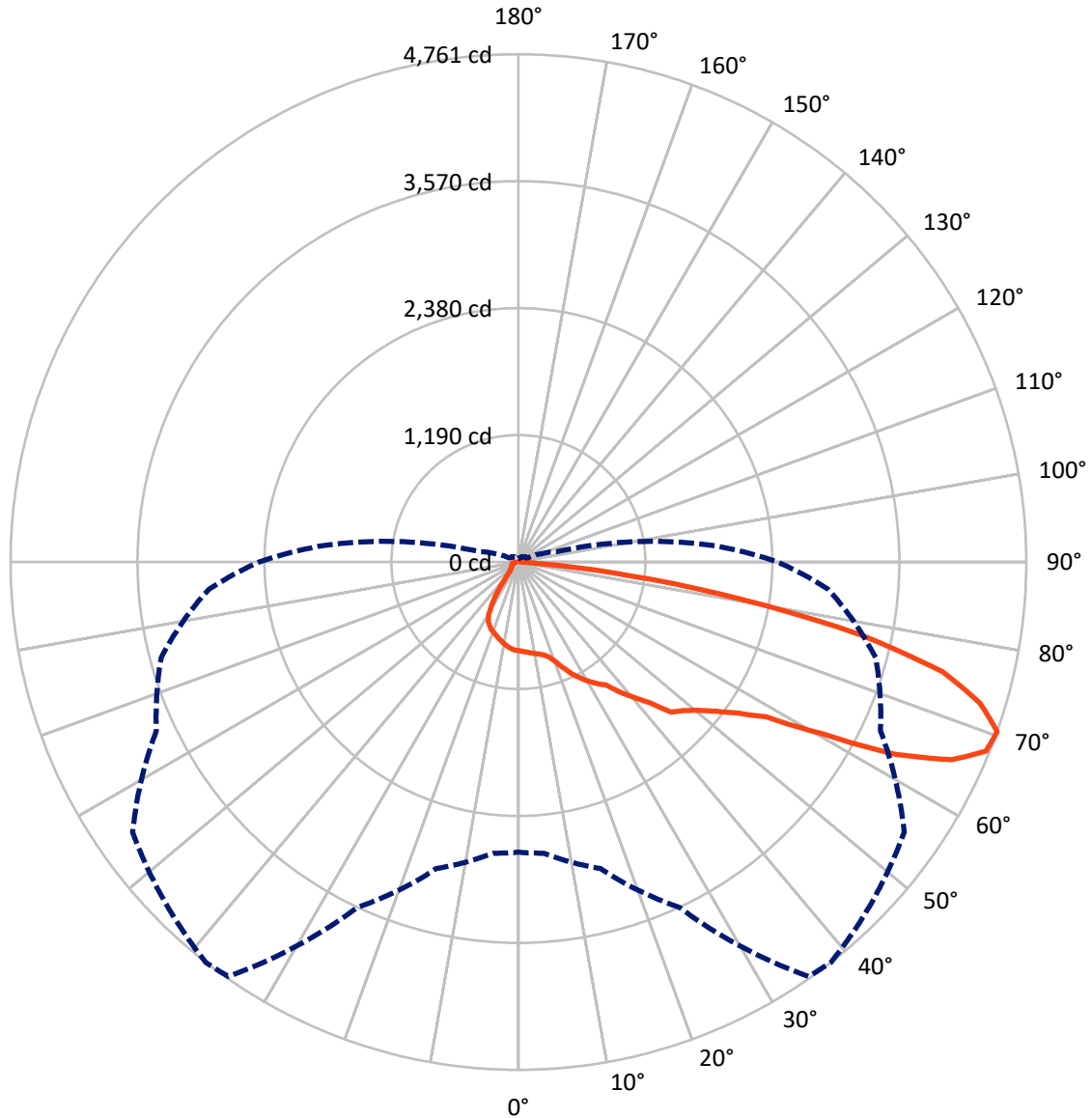
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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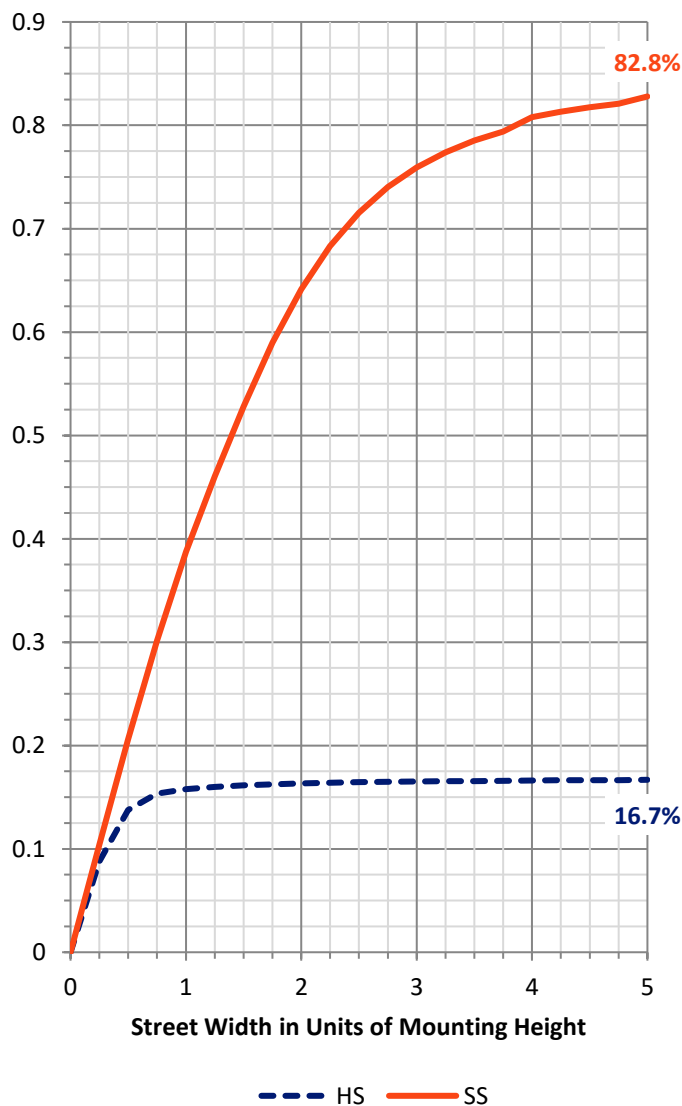
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1312.3	0.0	1312.3
	% Fixture	16.9	0.0	16.9
<b>Street Side</b>	Lumens	6444.7	0.0	6444.7
	% Fixture	83.1	0.0	83.1
<b>Total</b>	Lumens	7757.0	0.0	7757.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.5	1.0
10°-20°	240.9	3.1
20°-30°	443.5	5.7
30°-40°	694.3	9.0
40°-50°	1054.7	13.6
50°-60°	1516.6	19.6
60°-70°	2037.4	26.3
70°-80°	1509.5	19.5
80°-90°	180.5	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°	7757.0	100.0
0°-180°	7757.0	100.0

**Coefficient of Utilization**



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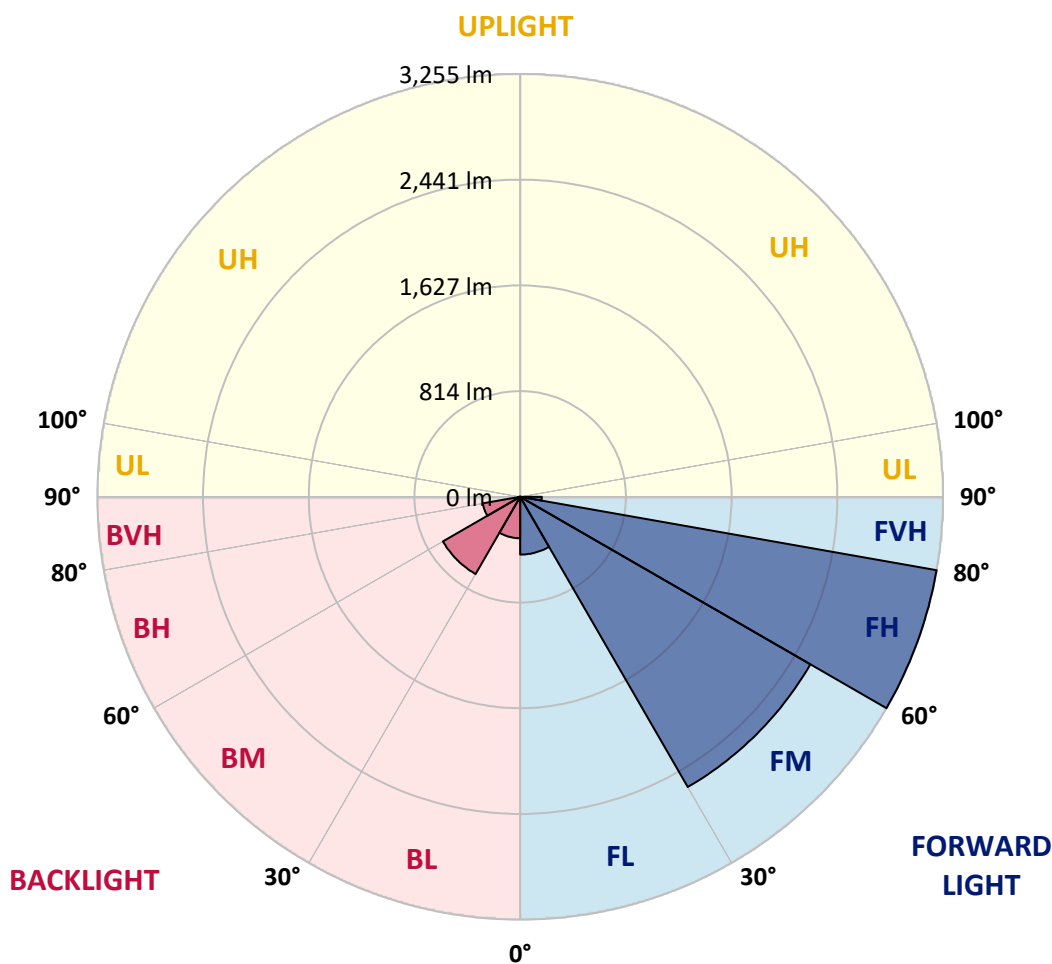
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	444.7	5.7			
FM	(30°-60°)	2579.1	33.2			
FH	(60°-80°)	3254.8	42.0			G2/5000
FVH	(80°-90°)	166.1	2.1			G2/225
BL	(0°-30°)	319.2	4.1	B1/500		
BM	(30°-60°)	686.5	8.8	B1/1000		
BH	(60°-80°)	292.2	3.8	B1/500		G1/500
BVH	(80°-90°)	14.5	0.2			G1/100
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°	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4
2.5°	843.7	843.7	843.7	841.2	841.2	838.8	838.8	836.3	836.3	833.9	831.4
5°	856.0	856.0	853.5	851.1	848.6	848.6	848.6	846.1	841.2	841.2	836.3
7.5°	860.9	860.9	860.9	860.9	860.9	860.9	860.9	858.4	856.0	853.5	848.6
10°	863.3	863.3	865.8	865.8	870.7	873.1	873.1	875.6	873.1	868.2	863.3
12.5°	870.7	873.1	873.1	875.6	882.9	885.4	887.8	895.2	895.2	890.3	885.4
15°	885.4	885.4	887.8	892.7	902.6	905.0	912.4	919.7	924.6	919.7	914.8
17.5°	929.5	929.5	929.5	929.5	934.4	936.9	946.7	959.0	963.9	963.9	961.4
20°	1017.8	1017.8	1012.9	1003.1	998.2	998.2	995.8	1000.7	1010.5	1017.8	1020.3
22.5°	1118.4	1115.9	1113.5	1098.8	1081.6	1076.7	1071.8	1066.9	1071.8	1084.1	1089.0
25°	1196.9	1199.3	1196.9	1177.3	1162.5	1160.1	1152.7	1155.2	1155.2	1157.6	1165.0
27.5°	1260.6	1265.5	1255.7	1245.9	1236.1	1228.8	1233.7	1241.0	1253.3	1248.4	1263.1
30°	1331.8	1329.3	1319.5	1307.2	1299.9	1297.4	1295.0	1322.0	1356.3	1371.0	1388.2
32.5°	1459.3	1456.8	1437.2	1375.9	1358.7	1358.7	1363.6	1398.0	1451.9	1498.5	1542.7
35°	1577.0	1577.0	1552.5	1510.8	1437.2	1415.2	1427.4	1469.1	1547.6	1640.8	1711.9
37.5°	1716.8	1719.3	1692.3	1628.5	1569.7	1547.6	1488.7	1547.6	1643.2	1822.3	1910.6
40°	1878.7	1873.8	1829.6	1761.0	1684.9	1667.8	1618.7	1631.0	1765.9	2035.7	2121.5
42.5°	1969.4	1964.5	1935.1	1881.1	1819.8	1800.2	1756.1	1743.8	1930.2	2271.1	2327.5
45°	2057.7	2062.6	2060.2	2033.2	2018.5	2006.2	1981.7	1984.2	2133.8	2504.1	2506.6
47.5°	2109.2	2119.1	2079.8	2077.4	2079.8	2079.8	2114.1	2182.8	2327.5	2702.8	2663.5
50°	2261.3	2251.5	2131.3	2136.2	2168.1	2182.8	2246.6	2347.1	2597.3	2874.5	2798.4
52.5°	2567.9	2499.2	2347.1	2273.6	2285.8	2322.6	2398.6	2543.4	2867.1	3043.7	2918.6
55°	2911.2	2881.8	2724.8	2536.0	2452.6	2499.2	2580.1	2732.2	3080.5	3188.4	3019.2
57.5°	3149.1	3161.4	3166.3	3014.3	2722.4	2737.1	2788.6	2921.1	3271.8	3335.5	3095.2
60°	3379.7	3396.9	3490.1	3468.0	3372.3	3264.4	3063.3	3107.5	3436.1	3441.0	3154.1
62.5°	3563.6	3573.4	3723.1	3791.7	3963.4	3970.8	3644.6	3365.0	3602.9	3517.0	3176.1
65°	3470.4	3497.4	3715.7	3924.2	4412.2	4466.2	4338.7	3693.6	3730.4	3551.4	3161.4
67.5°	3156.5	3200.7	3406.7	3884.9	4691.8	4728.6	4615.8	4289.6	3777.0	3539.1	3080.5
70°	2719.9	2739.6	2975.0	3571.0	4743.3	4760.5	4620.7	4414.7	3745.1	3468.0	2911.2
72.5°	2212.3	2234.3	2437.9	3070.7	4510.3	4525.1	4488.3	4316.6	3669.1	3335.5	2567.9
75°	1660.4	1694.8	1888.5	2398.6	3983.0	4108.1	4184.1	4110.6	3458.2	2896.5	1954.7
77.5°	1096.3	1098.8	1295.0	1812.5	3156.5	3281.6	3293.9	3232.5	2455.1	1817.4	868.2
80°	470.9	515.0	757.9	1216.5	2097.0	2119.1	2143.6	1981.7	1258.2	561.6	95.7
82.5°	157.0	174.1	318.8	642.6	1032.5	1057.1	1012.9	878.0	353.2	76.0	54.0
85°	66.2	73.6	98.1	176.6	250.2	228.1	213.4	174.1	49.1	44.1	34.3
87.5°	2.5	2.5	2.5	2.5	4.9	2.5	4.9	4.9	7.4	7.4	9.8
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°	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4
2.5°	831.4	831.4	831.4	829.0	829.0	826.5	826.5	824.1	824.1	824.1	824.1
5°	836.3	836.3	831.4	829.0	824.1	819.2	814.3	809.4	804.5	804.5	804.5
7.5°	846.1	843.7	836.3	826.5	816.7	804.5	797.1	787.3	782.4	777.5	779.9
10°	860.9	856.0	846.1	831.4	811.8	792.2	775.0	760.3	753.0	745.6	743.1
12.5°	880.5	875.6	860.9	838.8	809.4	779.9	753.0	730.9	716.2	708.8	706.4
15°	909.9	902.6	882.9	851.1	809.4	765.2	728.4	696.5	672.0	657.3	657.3
17.5°	956.5	949.2	922.2	878.0	819.2	757.9	701.4	647.5	615.6	598.4	596.0
20°	1017.8	1008.0	976.1	912.4	836.3	755.4	672.0	603.3	549.4	520.0	517.5
22.5°	1089.0	1081.6	1032.5	949.2	853.5	750.5	649.9	559.2	483.2	429.2	416.9
25°	1172.3	1160.1	1086.5	978.6	858.4	738.2	618.1	512.6	407.1	340.9	328.6
27.5°	1270.4	1243.5	1135.6	1000.7	856.0	713.7	581.3	446.4	309.0	260.0	252.6
30°	1375.9	1329.3	1184.6	1015.4	841.2	674.5	517.5	333.6	223.2	193.8	186.4
32.5°	1496.1	1422.5	1228.8	1017.8	809.4	620.5	409.6	228.1	159.4	142.3	139.8
35°	1640.8	1540.2	1275.4	1008.0	762.8	532.2	284.5	154.5	117.7	112.8	112.8
37.5°	1829.6	1689.8	1326.9	978.6	691.6	412.0	188.9	105.5	103.0	105.5	105.5
40°	2028.3	1861.5	1390.6	934.4	600.9	296.8	120.2	98.1	98.1	100.6	100.6
42.5°	2217.2	2025.9	1471.6	875.6	497.9	191.3	98.1	93.2	90.7	93.2	95.7
45°	2376.6	2180.4	1550.0	811.8	380.2	122.6	95.7	88.3	83.4	85.8	85.8
47.5°	2518.8	2298.1	1594.2	735.8	267.3	95.7	95.7	80.9	76.0	76.0	78.5
50°	2639.0	2391.3	1618.7	647.5	169.2	93.2	85.8	76.0	71.1	71.1	68.7
52.5°	2739.6	2460.0	1616.3	549.4	110.4	90.7	80.9	71.1	63.8	66.2	66.2
55°	2815.6	2513.9	1579.5	421.8	93.2	85.8	78.5	66.2	61.3	66.2	66.2
57.5°	2874.5	2538.4	1510.8	294.3	90.7	78.5	73.6	61.3	56.4	58.9	58.9
60°	2903.9	2526.2	1402.9	183.9	88.3	76.0	68.7	56.4	51.5	49.1	51.5
62.5°	2894.1	2482.0	1248.4	122.6	83.4	71.1	63.8	54.0	46.6	41.7	41.7
65°	2835.2	2383.9	1064.4	103.0	80.9	71.1	61.3	51.5	41.7	39.2	39.2
67.5°	2702.8	2180.4	789.7	95.7	80.9	68.7	58.9	49.1	41.7	36.8	36.8
70°	2430.5	1814.9	380.2	88.3	80.9	71.1	58.9	46.6	39.2	34.3	34.3
72.5°	1967.0	1282.7	98.1	76.0	78.5	71.1	61.3	46.6	36.8	31.9	31.9
75°	1282.7	615.6	83.4	61.3	71.1	66.2	58.9	46.6	36.8	29.4	29.4
77.5°	416.9	85.8	76.0	54.0	63.8	63.8	58.9	46.6	36.8	27.0	27.0
80°	66.2	61.3	66.2	41.7	46.6	54.0	46.6	44.1	34.3	24.5	24.5
82.5°	46.6	56.4	49.1	34.3	41.7	44.1	36.8	29.4	24.5	22.1	22.1
85°	34.3	36.8	29.4	27.0	31.9	36.8	29.4	22.1	19.6	19.6	19.6
87.5°	12.3	14.7	14.7	19.6	24.5	27.0	17.2	12.3	14.7	14.7	14.7
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)