

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: P507554

Luminaire Tested: **VERD-S-CA1-40-750-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507554
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-CA1-40-750-U-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 760mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5775 lumens
Efficiency: N/A
Efficacy: 133.1 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

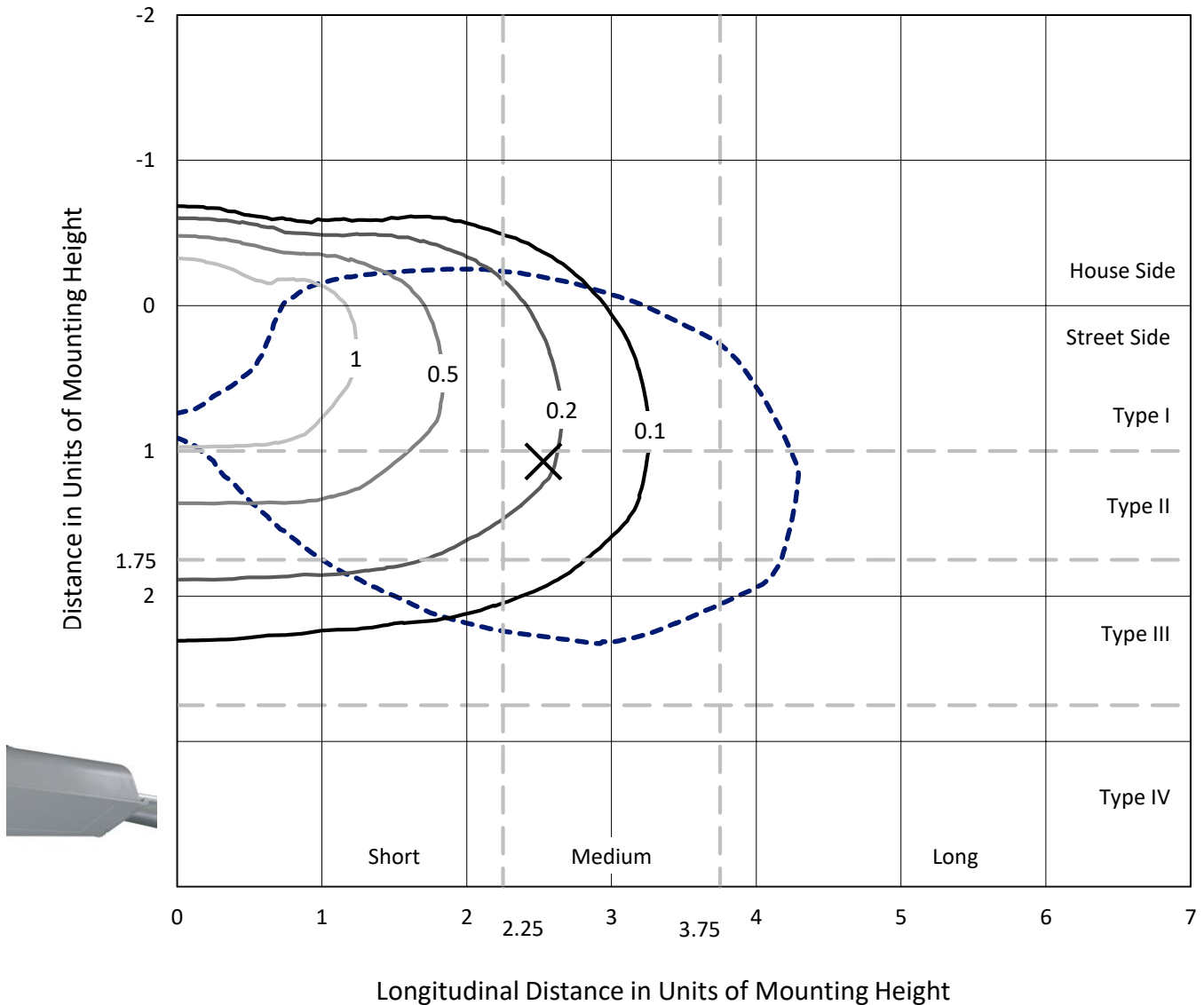
Input Watts (W): 43.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507554
 CATALOG NUMBER: VERD-S-CA1-40-750-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

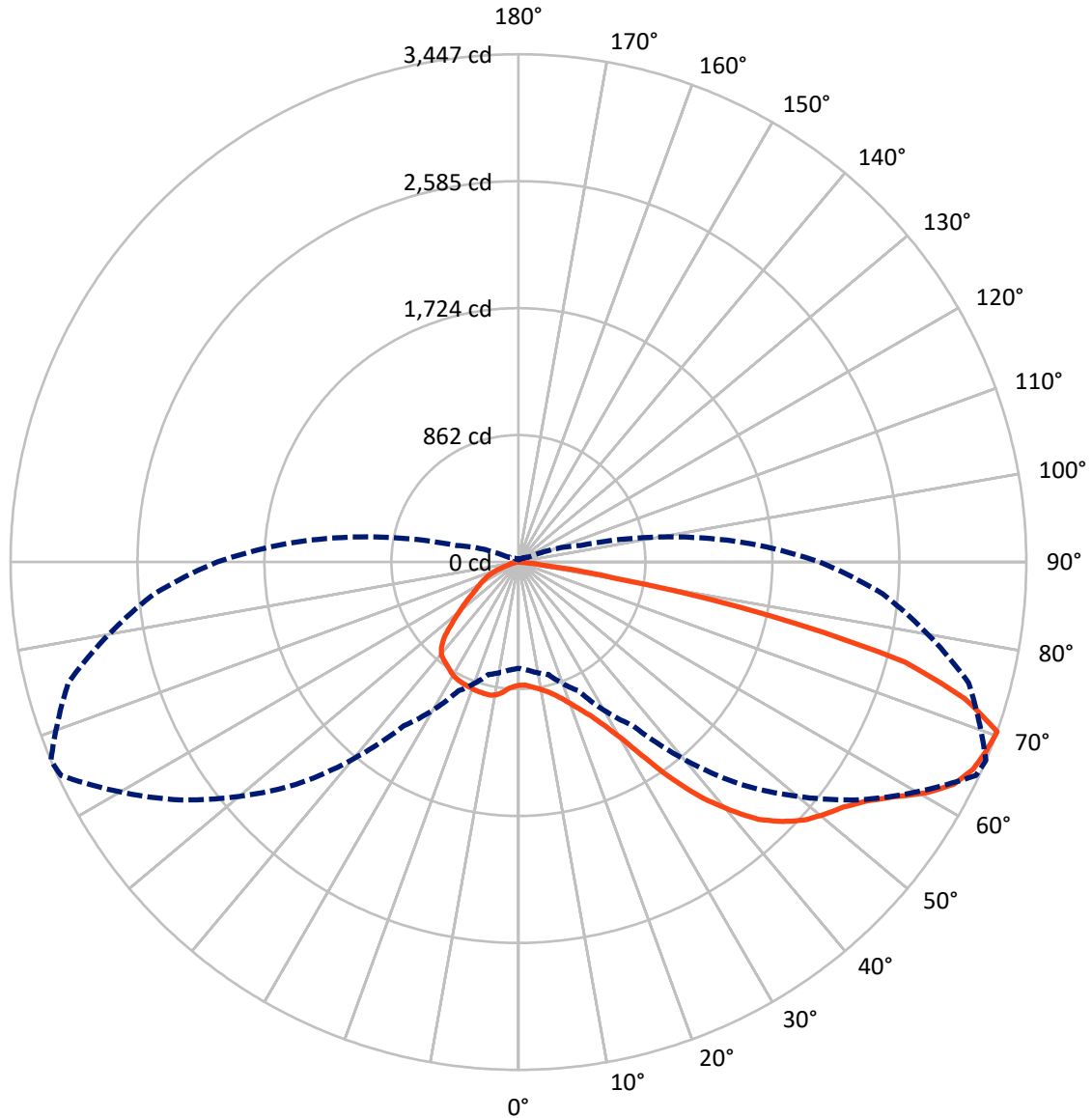
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P507554
CATALOG NUMBER: VERD-S-CA1-40-750-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507554
 CATALOG NUMBER: VERD-S-CA1-40-750-U-T3-HSS

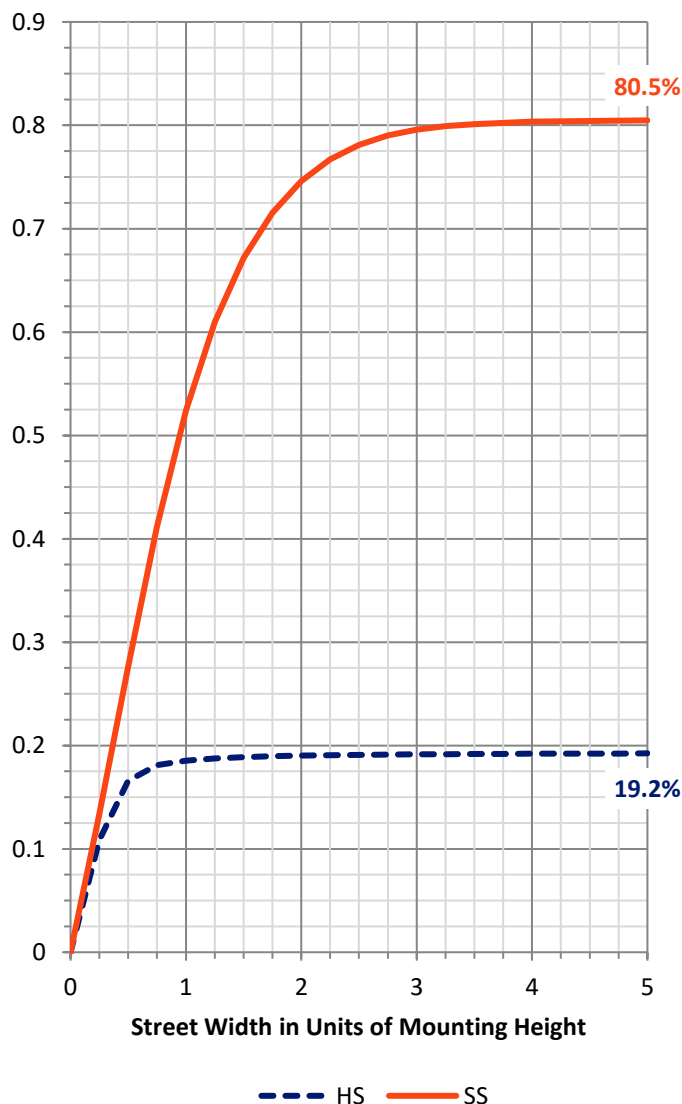
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1125.4	0.0	1125.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4649.6	0.0	4649.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	5775.0	0.0	5775.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	1.5
10°-20°	266.6	4.6
20°-30°	463.3	8.0
30°-40°	725.5	12.6
40°-50°	1020.8	17.7
50°-60°	1217.4	21.1
60°-70°	1261.5	21.8
70°-80°	696.1	12.1
80°-90°	39.6	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°	5775.0	100.0
0°-180°	5775.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507554

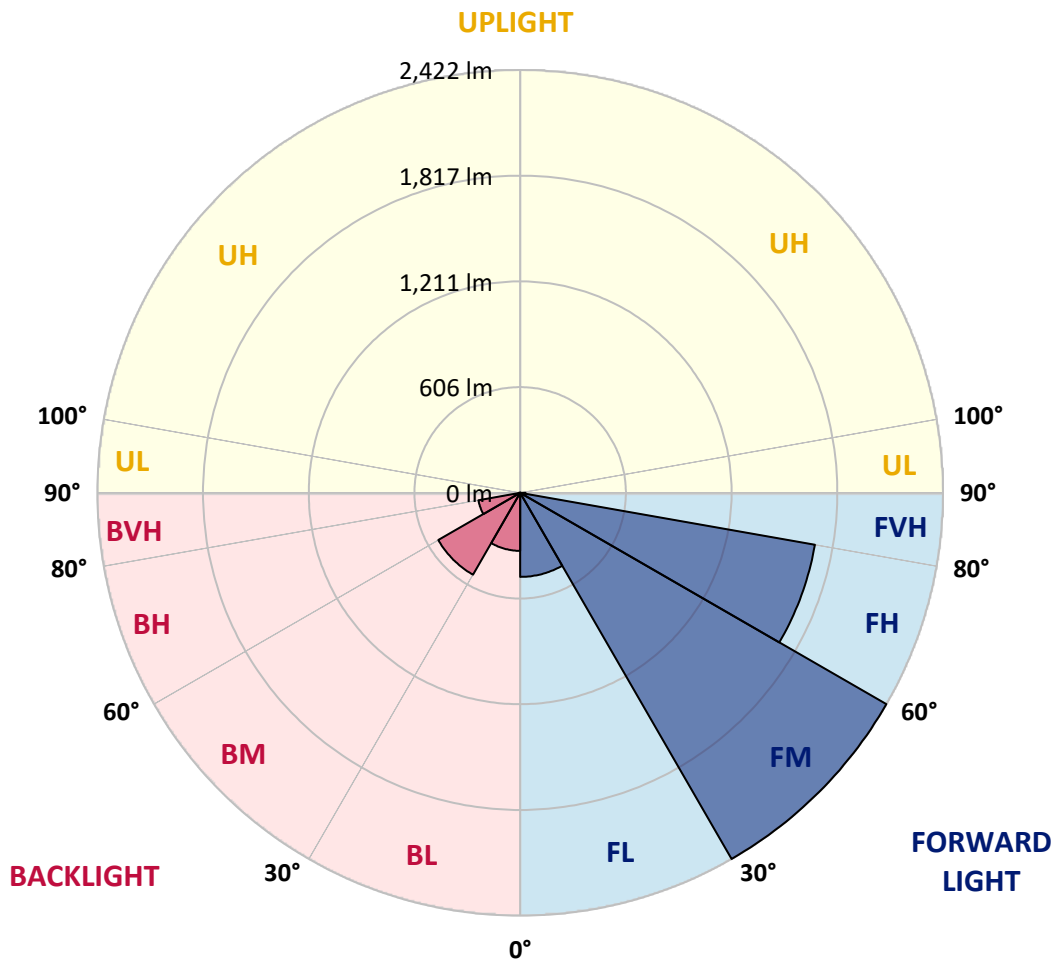
CATALOG NUMBER: VERD-S-CA1-40-750-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	481.7	8.3			
FM (30°-60°)	2422.3	41.9			
FH (60°-80°)	1714.7	29.7			G1/1800
FVH (80°-90°)	30.8	0.5			G1/100
BL (0°-30°)	332.3	5.8	B1/500		
BM (30°-60°)	541.3	9.4	B1/1000		
BH (60°-80°)	242.9	4.2	B1/500		G1/500
BVH (80°-90°)	8.8	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





REPORT NUMBER: P507554

CATALOG NUMBER: VERD-S-CA1-40-750-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	836.3	836.3	836.3	836.3	836.3	836.3	836.3	836.3	836.3	836.3	836.3
2.5°	841.6	841.6	841.6	839.8	839.8	839.8	838.1	836.3	836.3	836.3	838.1
5°	864.4	864.4	862.6	860.9	859.1	853.9	850.3	848.6	848.6	846.8	850.3
7.5°	892.4	892.4	892.4	888.9	883.7	876.6	869.6	864.4	862.6	860.9	862.6
10°	934.5	934.5	931.0	925.7	917.0	906.5	894.2	883.7	881.9	878.4	881.9
12.5°	988.9	983.6	980.1	971.3	960.8	943.3	924.0	908.2	904.7	901.2	913.5
15°	1045.0	1043.2	1034.4	1029.2	1011.6	988.9	962.6	941.5	938.0	931.0	941.5
17.5°	1111.6	1113.3	1109.8	1101.1	1076.5	1043.2	1011.6	981.8	978.3	973.1	978.3
20°	1202.8	1199.3	1192.2	1180.0	1151.9	1108.1	1067.8	1034.4	1029.2	1025.7	1020.4
22.5°	1293.9	1295.7	1281.7	1269.4	1234.3	1192.2	1137.9	1097.6	1090.5	1088.8	1064.2
25°	1381.6	1385.1	1379.8	1364.1	1334.3	1279.9	1220.3	1171.2	1162.4	1160.7	1118.6
27.5°	1472.8	1474.5	1479.8	1472.8	1441.2	1385.1	1318.5	1262.4	1262.4	1248.3	1185.2
30°	1560.4	1563.9	1567.4	1567.4	1551.7	1502.6	1444.7	1395.6	1395.6	1385.1	1276.4
32.5°	1628.8	1630.6	1651.6	1669.1	1669.1	1634.1	1595.5	1590.2	1588.5	1607.8	1485.0
35°	1690.2	1695.4	1725.2	1772.6	1791.9	1777.8	1779.6	1798.9	1818.2	1865.5	1772.6
37.5°	1735.8	1742.8	1770.8	1825.2	1879.5	1916.3	1951.4	2004.0	2033.8	2105.7	1977.7
40°	1748.0	1756.8	1816.4	1893.6	1981.2	2065.4	2128.5	2193.4	2212.7	2263.5	2102.2
42.5°	1709.5	1718.2	1793.6	1949.7	2072.4	2203.9	2272.3	2354.7	2388.0	2368.7	2205.6
45°	1683.2	1688.4	1767.3	1944.4	2151.3	2338.9	2405.5	2491.4	2512.5	2466.9	2291.5
47.5°	1649.8	1655.1	1737.5	1937.4	2216.2	2454.6	2500.2	2594.9	2615.9	2545.8	2365.2
50°	1600.8	1604.3	1698.9	1923.4	2258.2	2537.0	2587.9	2682.5	2691.3	2619.4	2435.3
52.5°	1541.1	1551.7	1642.8	1890.0	2288.0	2587.9	2649.2	2750.9	2763.2	2714.1	2512.5
55°	1460.5	1472.8	1578.0	1841.0	2277.5	2605.4	2677.3	2842.1	2863.1	2822.8	2577.3
57.5°	1378.1	1395.6	1499.1	1772.6	2235.4	2631.7	2770.2	2977.1	3005.1	2929.7	2629.9
60°	1293.9	1300.9	1407.9	1679.7	2165.3	2658.0	2875.4	3154.2	3180.5	3034.9	2672.0
62.5°	1197.5	1206.3	1300.9	1551.7	2044.3	2633.4	2954.3	3303.2	3319.0	3122.6	2689.5
65°	1085.3	1085.3	1165.9	1395.6	1881.3	2545.8	2964.8	3380.3	3390.9	3178.7	2668.5
67.5°	929.2	936.3	1001.1	1202.8	1662.1	2374.0	2905.2	3397.9	3424.2	3213.8	2610.6
70°	720.6	736.4	790.7	964.3	1357.0	2135.5	2815.8	3425.9	3447.0	3162.9	2480.9
72.5°	492.7	508.5	557.5	661.0	978.3	1713.0	2547.5	3161.2	3166.4	2915.7	2228.4
75°	129.7	143.8	182.3	264.7	410.3	1151.9	2037.3	2677.3	2708.8	2521.2	1839.2
77.5°	38.6	38.6	47.3	61.4	84.2	234.9	1036.2	1706.0	1737.5	1662.1	1146.7
80°	29.8	29.8	35.1	42.1	54.4	121.0	359.4	629.4	668.0	713.6	473.4
82.5°	19.3	21.0	22.8	24.5	24.5	49.1	96.4	161.3	159.5	173.6	152.5
85°	12.3	12.3	10.5	10.5	8.8	12.3	8.8	10.5	12.3	12.3	14.0
87.5°	1.8	0.0	0.0	0.0	0.0	1.8	1.8	3.5	3.5	3.5	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P507554
 CATALOG NUMBER: VERD-S-CA1-40-750-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	836.3	836.3	836.3	836.3	836.3	836.3	836.3	836.3	836.3	836.3	836.3
2.5°	839.8	841.6	843.3	845.1	848.6	848.6	850.3	850.3	850.3	850.3	850.3
5°	850.3	852.1	857.4	862.6	874.9	881.9	888.9	894.2	894.2	897.7	897.7
7.5°	866.1	871.4	887.2	894.2	904.7	915.2	920.5	922.2	925.7	925.7	925.7
10°	892.4	897.7	910.0	915.2	920.5	920.5	918.7	917.0	911.7	910.0	911.7
12.5°	917.0	924.0	924.0	922.2	917.0	910.0	901.2	892.4	883.7	876.6	876.6
15°	946.8	943.3	932.8	918.7	904.7	887.2	869.6	853.9	839.8	834.6	834.6
17.5°	973.1	964.3	941.5	915.2	885.4	857.4	829.3	803.0	778.5	769.7	764.4
20°	1004.6	988.9	948.5	908.2	866.1	822.3	775.0	727.6	685.5	668.0	666.3
22.5°	1041.5	1015.2	959.0	897.7	841.6	775.0	696.1	629.4	587.4	566.3	562.8
25°	1085.3	1046.7	969.6	888.9	811.8	713.6	608.4	533.0	480.4	457.6	448.8
27.5°	1139.6	1088.8	983.6	878.4	766.2	638.2	519.0	431.3	373.5	345.4	341.9
30°	1209.8	1139.6	997.6	862.6	710.1	550.5	422.5	324.4	266.5	238.4	231.4
32.5°	1371.1	1243.1	1015.2	836.3	640.0	466.4	319.1	217.4	159.5	133.3	131.5
35°	1644.6	1476.3	1055.5	801.3	569.8	366.4	205.1	115.7	85.9	75.4	75.4
37.5°	1849.7	1670.9	1164.2	755.7	478.6	245.5	105.2	68.4	54.4	52.6	52.6
40°	1972.5	1786.6	1283.4	704.8	369.9	131.5	64.9	52.6	49.1	47.3	47.3
42.5°	2074.1	1883.0	1339.5	641.7	234.9	73.6	54.4	49.1	45.6	43.8	43.8
45°	2158.3	1956.7	1346.5	561.1	131.5	61.4	50.8	43.8	42.1	40.3	40.3
47.5°	2224.9	2019.8	1329.0	447.1	82.4	57.9	47.3	40.3	36.8	36.8	36.8
50°	2288.0	2074.1	1279.9	352.4	77.1	54.4	43.8	36.8	35.1	35.1	35.1
52.5°	2345.9	2112.7	1197.5	284.0	71.9	50.8	42.1	35.1	31.6	33.3	33.3
55°	2393.2	2128.5	1113.3	219.2	68.4	49.1	40.3	33.3	29.8	29.8	29.8
57.5°	2419.5	2095.2	1043.2	166.6	66.6	47.3	38.6	31.6	26.3	24.5	24.5
60°	2421.3	2051.3	978.3	140.3	63.1	43.8	36.8	28.1	22.8	21.0	21.0
62.5°	2389.7	1998.8	880.2	121.0	59.6	42.1	33.3	26.3	21.0	19.3	19.3
65°	2328.4	1905.8	771.4	103.4	57.9	42.1	29.8	24.5	21.0	17.5	17.5
67.5°	2230.2	1751.5	625.9	91.2	54.4	38.6	29.8	22.8	19.3	17.5	17.5
70°	2044.3	1530.6	433.1	78.9	50.8	35.1	28.1	22.8	19.3	15.8	15.8
72.5°	1762.1	1243.1	213.9	64.9	43.8	35.1	28.1	21.0	17.5	15.8	15.8
75°	1362.3	890.7	129.7	52.6	35.1	31.6	26.3	21.0	17.5	14.0	14.0
77.5°	801.3	396.2	92.9	40.3	26.3	24.5	22.8	19.3	15.8	14.0	14.0
80°	292.8	168.3	68.4	31.6	21.0	21.0	17.5	15.8	14.0	12.3	12.3
82.5°	114.0	89.4	45.6	22.8	17.5	15.8	14.0	12.3	10.5	10.5	10.5
85°	15.8	15.8	15.8	12.3	10.5	10.5	8.8	8.8	7.0	7.0	7.0
87.5°	5.3	5.3	5.3	7.0	5.3	5.3	3.5	3.5	3.5	5.3	5.3
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)