

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: P233723

Luminaire Tested: **VERD-C02H6-D-U-T3-8027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C02H6-D-U-T3-8027-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1250mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9442 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 98
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: 28.75 FT

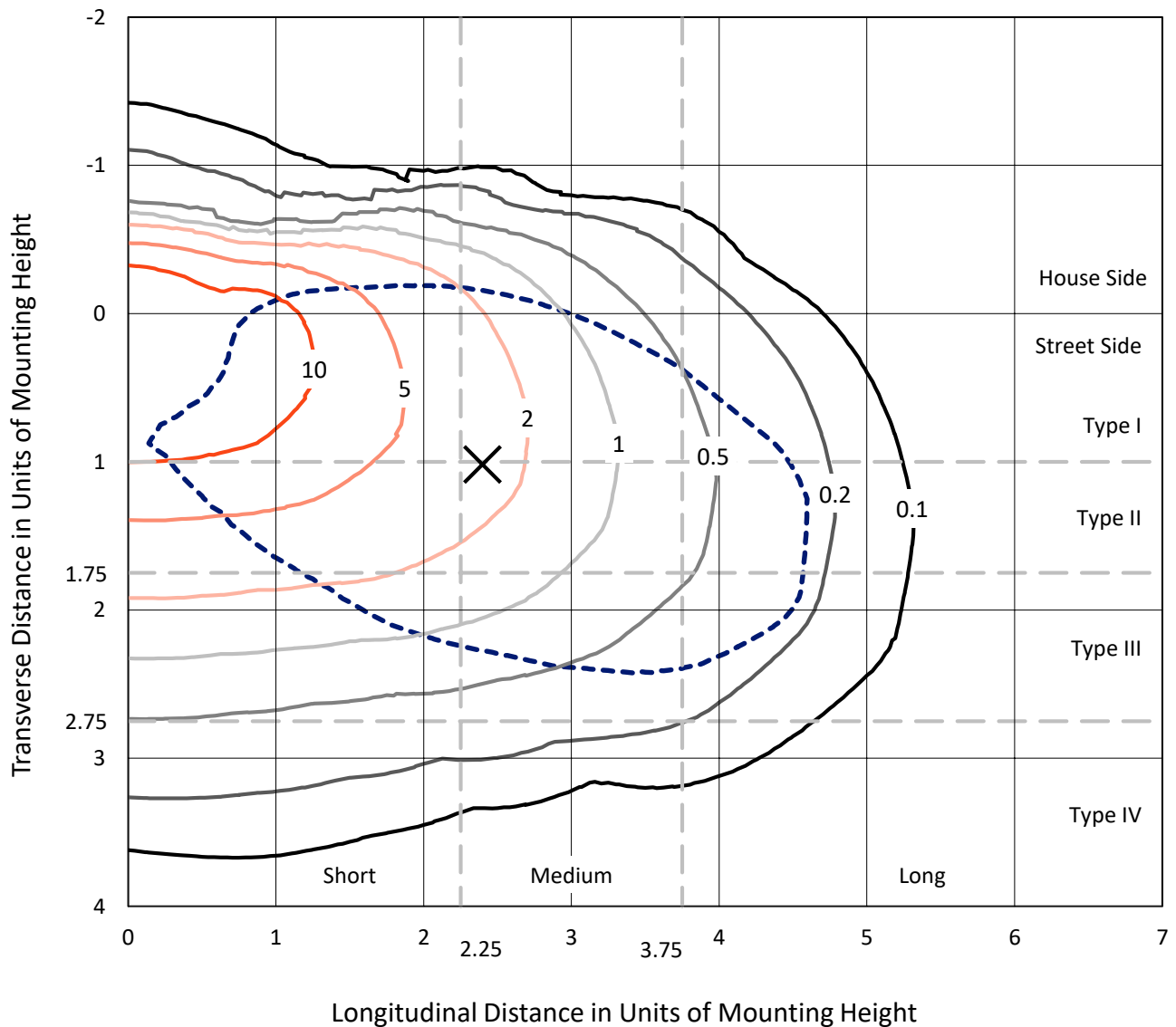


REPORT NUMBER: P233723

CATALOG NUMBER: VERD-C02H6-D-U-T3-8027-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

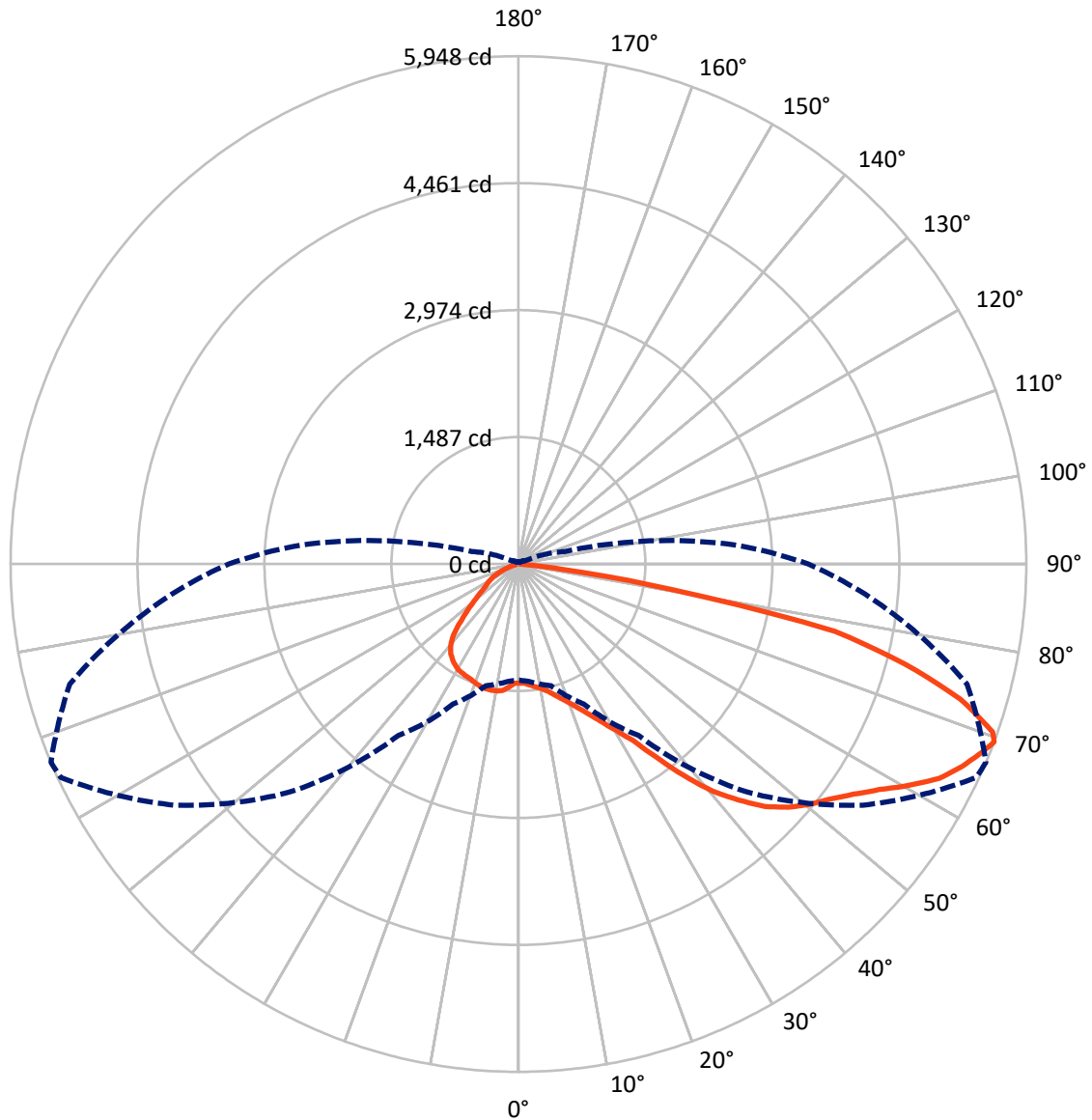


Based on 10 foot mounting height. Maximum calculated value = 17.1 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P233723

CATALOG NUMBER: VERD-C02H6-D-U-T3-8027-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P233723

CATALOG NUMBER: VERD-C02H6-D-U-T3-8027-HSS

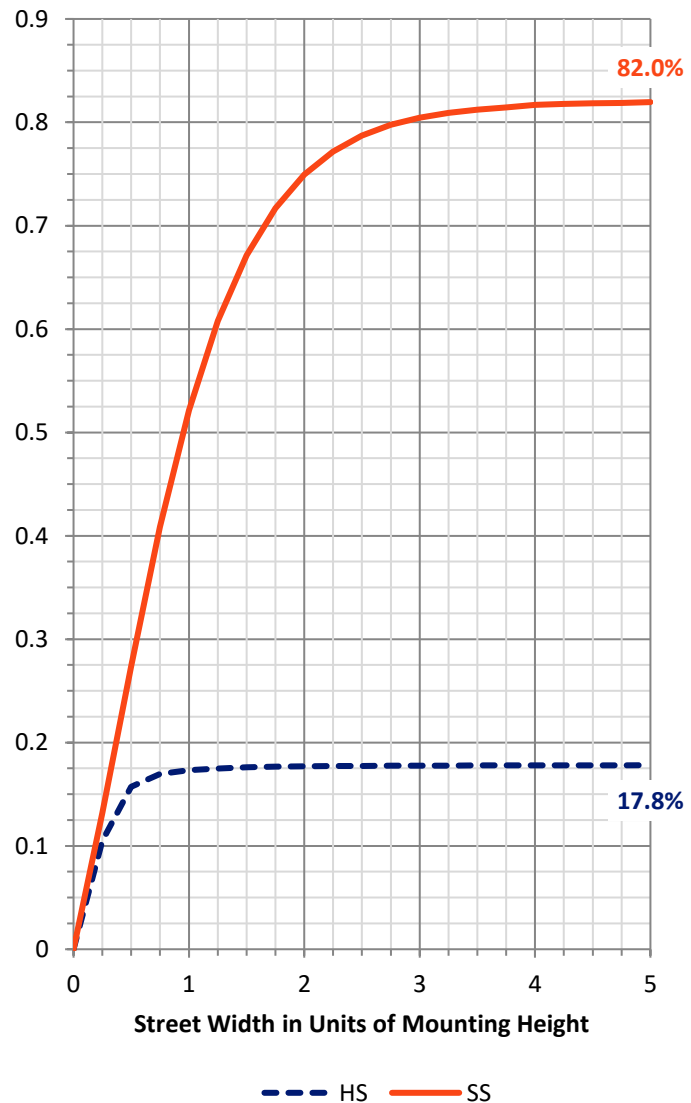
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1702.1	0.0	1702.1
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	7739.9	0.0	7739.9
	% Fixture	82.0	0.0	82.0
Total	Lumens	9442.0	0.0	9442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	1.5
10°-20°	443.3	4.7
20°-30°	756.6	8.0
30°-40°	1143.9	12.1
40°-50°	1616.1	17.1
50°-60°	1953.1	20.7
60°-70°	2060.8	21.8
70°-80°	1240.6	13.1
80°-90°	86.7	0.9
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°	9442.0	100.0
0°-180°	9442.0	100.0

Coefficient of Utilization



REPORT NUMBER: P233723

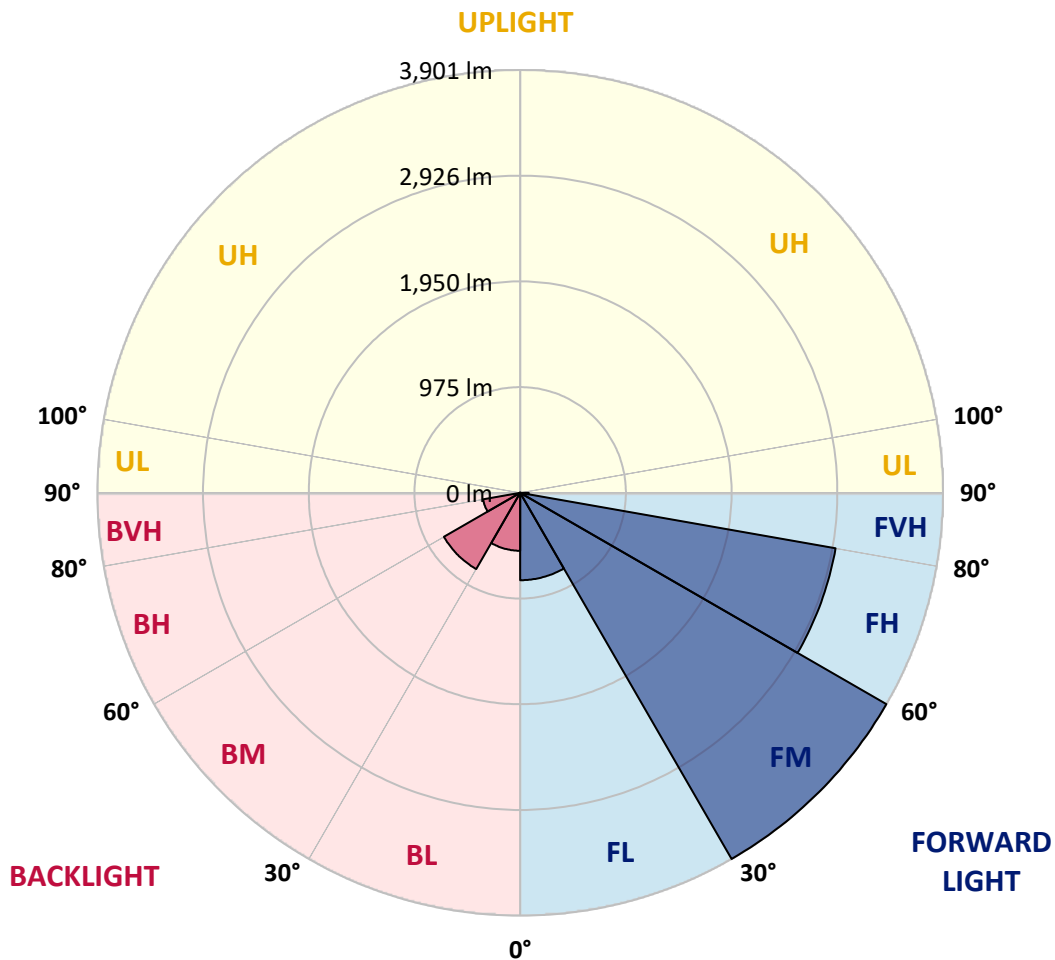
CATALOG NUMBER: VERD-C02H6-D-U-T3-8027-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	806.2	8.5			
FM	(30°-60°)	3900.9	41.3			
FH	(60°-80°)	2954.4	31.3			G2/5000
FVH	(80°-90°)	78.3	0.8			G1/100
BL	(0°-30°)	534.6	5.7	B2/1000		
BM	(30°-60°)	812.1	8.6	B1/1000		
BH	(60°-80°)	347.0	3.7	B1/500		G1/500
BVH	(80°-90°)	8.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





REPORT NUMBER: P233723

CATALOG NUMBER: VERD-C02H6-D-U-T3-8027-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3
2.5°	1432.4	1430.2	1430.2	1417.4	1405.4	1402.3	1401.6	1397.8	1398.6	1393.3	1388.1
5°	1473.8	1473.8	1472.3	1455.8	1443.0	1434.7	1429.4	1422.7	1423.4	1419.7	1415.1
7.5°	1536.3	1537.0	1534.0	1512.2	1499.4	1479.1	1467.0	1454.3	1453.5	1449.0	1450.5
10°	1613.0	1615.3	1610.7	1582.9	1561.1	1533.3	1507.7	1485.1	1483.6	1478.3	1482.8
12.5°	1699.5	1702.5	1691.2	1662.7	1637.8	1594.2	1563.3	1533.3	1528.7	1528.0	1531.0
15°	1798.8	1800.3	1796.6	1754.4	1724.3	1684.5	1634.1	1595.7	1591.2	1591.9	1588.2
17.5°	1909.4	1913.2	1904.9	1867.3	1827.4	1772.5	1712.3	1664.9	1662.7	1660.4	1643.8
20°	2026.8	2030.5	2025.3	1989.9	1942.5	1873.3	1799.6	1745.4	1744.7	1739.4	1701.0
22.5°	2159.2	2164.5	2161.5	2118.6	2068.2	1992.9	1901.1	1844.7	1843.2	1826.7	1768.7
25°	2302.9	2301.4	2304.4	2258.5	2211.1	2132.1	2018.5	1959.8	1959.8	1939.5	1853.7
27.5°	2442.1	2441.3	2446.6	2414.2	2364.6	2290.1	2153.2	2093.7	2099.0	2069.7	1956.1
30°	2577.5	2577.5	2590.3	2569.2	2532.4	2454.1	2320.2	2257.8	2264.5	2233.7	2085.5
32.5°	2703.9	2709.9	2731.7	2718.9	2691.1	2620.4	2506.0	2448.8	2464.6	2477.4	2326.2
35°	2797.2	2803.2	2853.6	2858.1	2851.3	2803.9	2718.9	2755.8	2774.6	2875.4	2706.9
37.5°	2879.2	2886.7	2946.9	2984.5	3006.3	2977.0	2982.2	3105.6	3141.0	3259.9	3031.9
40°	2939.4	2955.9	3015.3	3067.3	3144.0	3178.6	3264.4	3439.7	3496.8	3544.2	3255.3
42.5°	2898.0	2909.3	3013.8	3153.0	3265.1	3387.0	3526.2	3734.6	3777.5	3762.4	3452.5
45°	2837.0	2850.6	2960.4	3175.6	3361.4	3604.4	3774.5	4000.2	4049.1	3965.5	3622.5
47.5°	2768.6	2787.4	2906.3	3145.5	3441.9	3804.5	3999.4	4228.1	4256.7	4146.9	3765.4
50°	2699.4	2720.4	2855.1	3120.7	3504.4	3971.6	4163.4	4413.9	4422.2	4297.3	3894.1
52.5°	2606.1	2627.9	2775.4	3068.8	3548.0	4081.4	4307.1	4566.7	4571.9	4459.8	4016.0
55°	2488.0	2515.8	2671.5	2992.0	3558.5	4145.4	4398.1	4725.4	4760.8	4635.9	4116.0
57.5°	2348.8	2374.4	2545.9	2881.4	3505.9	4167.2	4525.3	4935.3	4984.2	4814.2	4198.8
60°	2188.5	2217.9	2390.2	2738.5	3399.8	4228.1	4735.9	5231.7	5261.1	5000.8	4271.7
62.5°	2024.5	2045.6	2202.1	2537.6	3234.3	4265.0	4922.5	5510.1	5529.6	5180.6	4315.4
65°	1791.3	1817.6	1970.4	2307.4	2995.8	4194.3	4994.0	5700.4	5712.5	5331.0	4294.3
67.5°	1537.8	1558.8	1670.2	2029.8	2682.8	3970.1	4964.6	5827.6	5865.9	5448.4	4198.8
69°	1358.0	1379.0	1475.3	1807.9	2450.3	3771.4	4923.3	5914.1	5947.9	5440.1	4076.9
70°	1218.0	1239.1	1330.1	1642.3	2268.3	3603.7	4857.8	5870.5	5892.3	5347.6	3958.0
72.5°	871.2	892.3	966.7	1154.8	1718.3	2961.9	4452.3	5385.9	5415.3	4903.0	3537.5
75°	455.9	506.3	640.2	746.3	1017.9	2085.5	3701.5	4632.1	4675.0	4302.6	2909.3
77.5°	58.7	61.7	180.6	303.2	420.6	879.5	2629.4	3719.5	3787.2	3443.4	2011.7
80°	47.4	48.1	62.4	151.2	209.1	356.6	932.9	1740.9	1822.9	1530.2	739.5
82.5°	33.1	34.6	48.9	79.7	68.5	130.2	324.3	492.0	507.1	438.6	294.9
85°	18.8	18.8	23.3	30.8	21.8	48.9	67.0	71.5	63.9	63.2	47.4
87.5°	5.3	6.0	6.8	5.3	2.3	2.3	3.0	3.0	3.0	2.3	2.3
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: P233723

CATALOG NUMBER: VERD-C02H6-D-U-T3-8027-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3	1396.3
2.5°	1396.3	1394.8	1395.6	1398.6	1403.1	1419.7	1430.9	1432.4	1437.7	1457.3	1455.0
5°	1420.4	1429.4	1434.7	1450.5	1461.0	1483.6	1497.1	1498.6	1506.2	1526.5	1527.2
7.5°	1454.3	1469.3	1476.8	1494.9	1498.6	1509.2	1512.9	1509.2	1509.9	1528.0	1529.5
10°	1483.6	1502.4	1502.4	1506.9	1500.2	1500.9	1488.9	1477.6	1471.6	1487.4	1491.1
12.5°	1528.7	1534.0	1522.0	1508.4	1488.1	1470.1	1449.7	1431.7	1417.4	1426.4	1421.2
15°	1575.4	1567.1	1537.8	1502.4	1466.3	1435.5	1393.3	1367.0	1342.2	1347.4	1342.9
17.5°	1622.0	1594.9	1549.1	1490.4	1437.7	1379.0	1320.3	1279.0	1233.8	1230.1	1223.3
20°	1667.2	1628.0	1552.1	1465.5	1391.8	1309.1	1218.0	1147.3	1080.3	1063.0	1051.8
22.5°	1721.3	1664.9	1555.8	1441.5	1342.2	1229.3	1091.6	981.8	909.6	885.5	874.2
25°	1790.6	1716.1	1566.4	1423.4	1291.8	1130.8	941.9	816.3	738.0	696.7	692.9
27.5°	1872.6	1777.8	1584.4	1400.1	1220.3	999.1	786.9	656.0	572.5	530.4	516.9
30°	1980.1	1854.5	1601.0	1382.0	1119.5	855.4	624.4	478.5	379.2	352.1	337.8
32.5°	2184.0	1979.4	1622.0	1339.9	1000.6	698.2	442.4	294.9	227.2	209.1	209.1
35°	2515.8	2254.0	1674.7	1282.0	857.7	508.6	265.6	165.5	135.4	124.9	119.6
37.5°	2815.2	2530.8	1806.4	1192.4	683.9	300.9	152.0	102.3	92.5	94.0	94.0
40°	3026.6	2720.4	1951.6	1071.3	464.2	161.0	96.3	82.0	83.5	84.3	84.3
42.5°	3207.9	2882.2	2031.3	927.6	252.8	104.6	82.8	74.5	76.7	76.0	75.2
45°	3359.9	3013.8	2057.6	729.8	122.6	92.5	75.2	68.5	68.5	67.7	67.7
47.5°	3490.1	3130.5	2008.7	542.4	99.3	85.0	71.5	63.2	62.4	66.2	66.2
50°	3608.9	3220.7	1886.9	410.8	96.3	78.2	67.7	58.7	59.4	64.7	64.7
52.5°	3708.2	3274.2	1706.3	307.7	89.5	72.2	62.4	54.9	54.9	60.2	60.2
55°	3782.0	3274.2	1568.6	230.2	85.8	66.2	57.9	52.7	49.7	51.2	51.9
57.5°	3818.8	3212.5	1458.0	186.6	81.3	60.2	53.4	45.9	40.6	42.1	41.4
60°	3809.1	3177.1	1330.9	166.3	76.0	55.7	47.4	39.1	33.9	32.4	32.4
62.5°	3791.0	3137.2	1172.1	144.4	70.7	51.9	39.1	31.6	28.6	27.1	27.8
65°	3722.5	3007.8	971.3	120.4	65.5	50.4	33.1	27.8	24.8	23.3	23.3
67.5°	3557.0	2774.6	734.3	101.6	60.9	40.6	28.6	24.1	21.1	19.6	19.6
69°	3393.0	2551.9	563.5	92.5	57.9	36.9	26.3	21.8	19.6	17.3	17.3
70°	3251.6	2379.6	441.6	86.5	55.7	35.4	25.6	21.1	18.8	16.6	16.6
72.5°	2768.6	1887.6	224.2	75.2	46.6	30.8	22.6	18.8	15.8	13.5	13.5
75°	2147.9	1300.8	148.2	59.4	36.1	27.8	20.3	16.6	13.5	11.3	10.5
77.5°	1292.5	508.6	106.1	38.4	23.3	21.8	16.6	13.5	11.3	9.0	9.0
80°	356.6	218.2	71.5	25.6	13.5	14.3	12.0	9.8	8.3	6.8	6.8
82.5°	214.4	141.4	47.4	16.6	9.0	9.0	6.8	6.8	5.3	5.3	5.3
85°	36.9	28.6	11.3	6.8	5.3	5.3	3.8	2.3	2.3	2.3	2.3
87.5°	2.3	2.3	2.3	3.0	3.0	2.3	1.5	0.8	0.0	0.0	0.0
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)