

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1462465

Luminaire Tested: PRV-P-30-8540-U-T2R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462465
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T2R
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4032.1 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

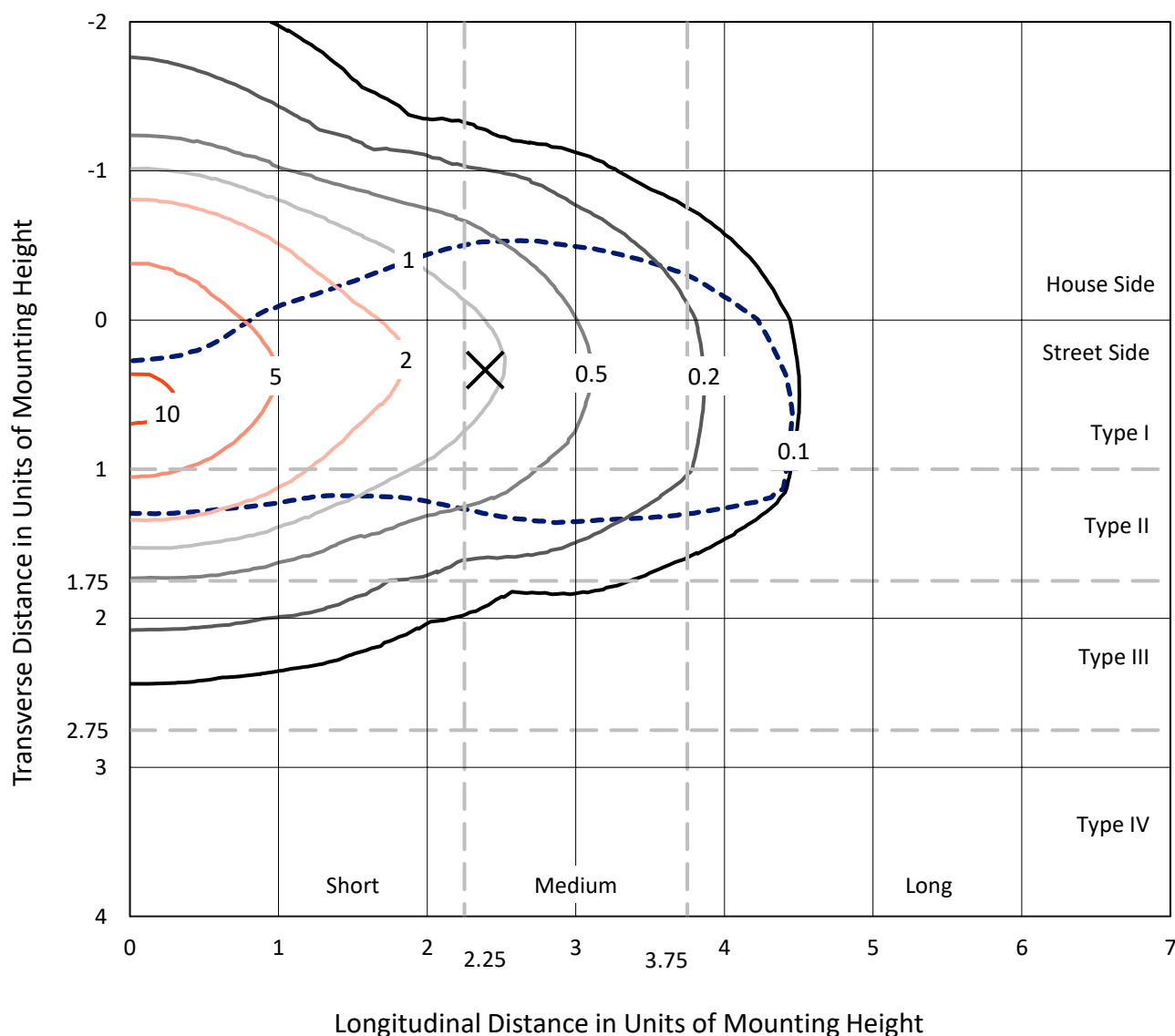
REPORT NUMBER: P1462465

CATALOG NUMBER: PRV-P-30-8540-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

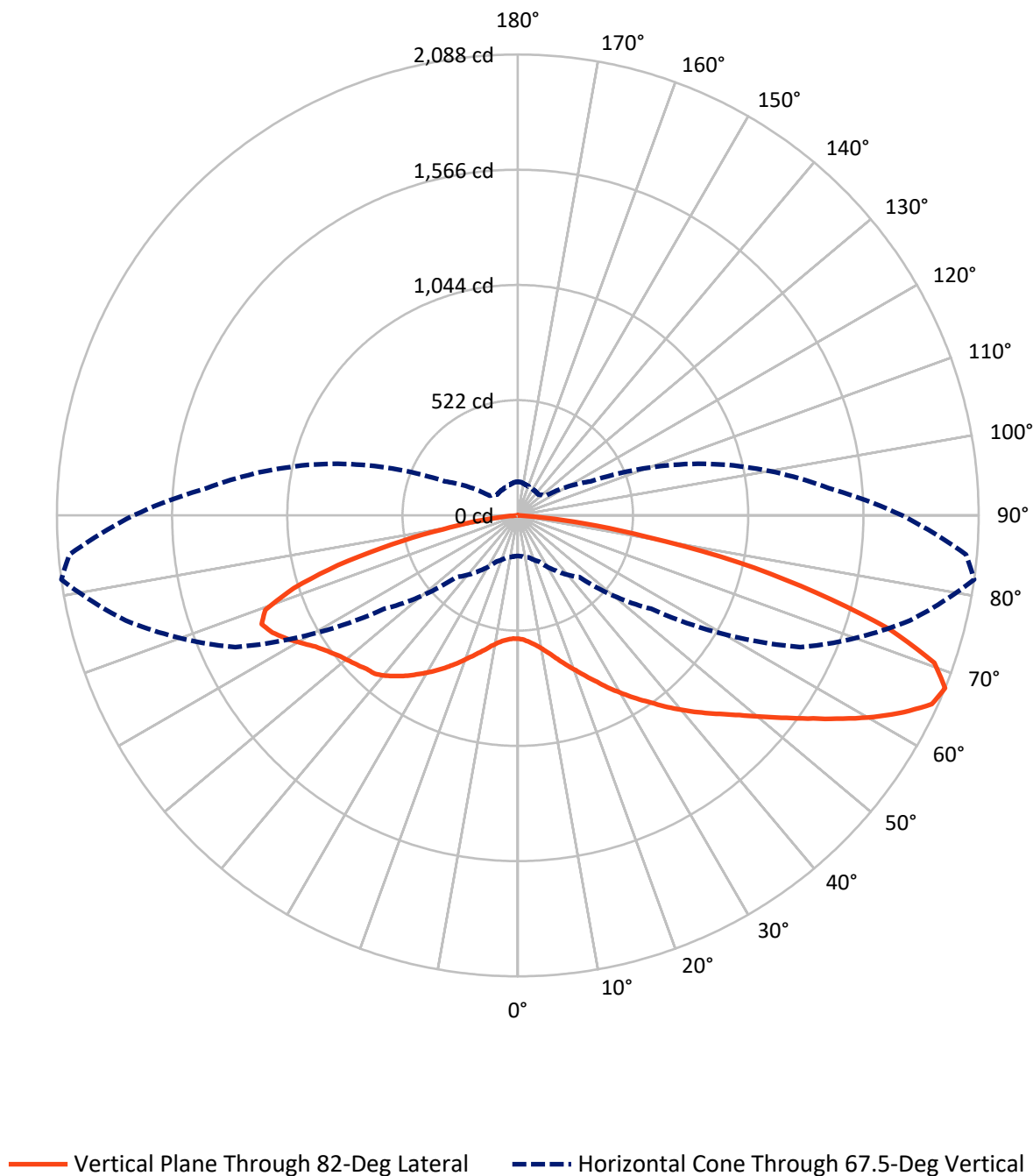


Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Medium - N/A

REPORT NUMBER: P1462465

CATALOG NUMBER: PRV-P-30-8540-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1462465

CATALOG NUMBER: PRV-P-30-8540-U-T2R

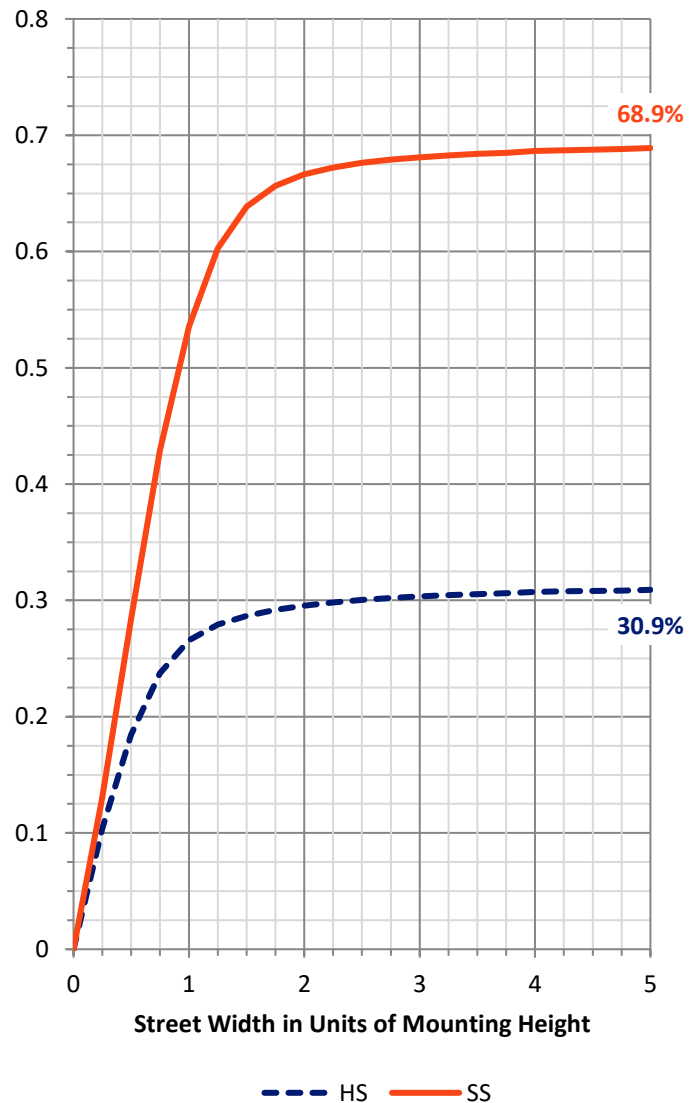
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.3	0.0	1252.3
	% Fixture	31.1	0.0	31.1
Street Side	Lumens	2779.9	0.0	2779.9
	% Fixture	68.9	0.0	68.9
Total	Lumens	4032.1	0.0	4032.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.4
10°-20°	212.0	5.3
20°-30°	429.6	10.7
30°-40°	672.5	16.7
40°-50°	812.5	20.1
50°-60°	765.3	19.0
60°-70°	642.0	15.9
70°-80°	386.2	9.6
80°-90°	53.8	1.3
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°	4032.1	100.0
0°-180°	4032.1	100.0

Coefficient of Utilization



REPORT NUMBER: P1462465

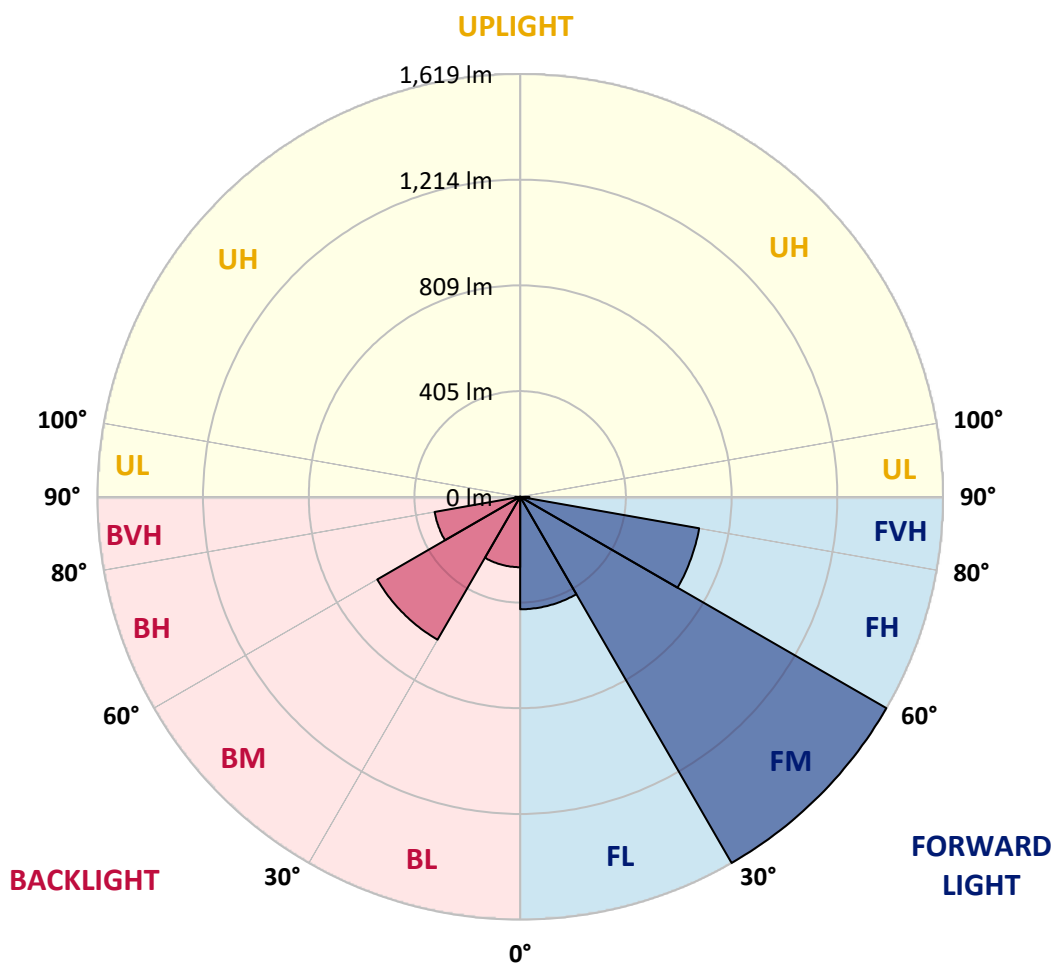
CATALOG NUMBER: PRV-P-30-8540-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	430.3	10.7			
FM	(30°-60°)	1618.6	40.1			
FH	(60°-80°)	695.6	17.3			G1/1800
FVH	(80°-90°)	35.3	0.9			G1/100
BL	(0°-30°)	269.5	6.7	B1/500		
BM	(30°-60°)	631.8	15.7	B1/1000		
BH	(60°-80°)	332.6	8.2	B1/500		G1/500
BVH	(80°-90°)	18.5	0.5			G1/100
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 Medium



REPORT NUMBER: P1462465

CATALOG NUMBER: PRV-P-30-8540-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5
2.5°	595.1	594.5	595.1	598.2	592.0	588.9	582.7	574.7	568.5	564.1	562.9
5°	654.6	658.4	656.5	652.2	642.2	629.2	613.1	595.1	585.2	577.8	574.7
7.5°	735.8	730.3	734.0	721.0	703.6	681.3	650.3	628.6	605.7	593.3	589.5
10°	823.9	823.3	815.8	802.2	776.1	742.0	704.2	666.4	636.0	615.0	606.9
12.5°	918.7	918.1	914.4	889.0	856.1	807.1	761.9	712.9	665.2	642.9	633.6
15°	1012.3	1017.3	1010.5	980.7	938.6	877.8	820.8	761.3	707.3	675.1	663.3
17.5°	1112.8	1112.1	1099.1	1069.4	1021.0	958.4	887.7	809.0	746.4	711.1	696.2
20°	1205.1	1215.7	1199.5	1168.6	1108.4	1040.2	957.8	867.3	791.6	748.9	732.7
22.5°	1325.4	1324.2	1309.3	1262.2	1198.9	1117.1	1026.6	929.9	842.5	790.4	770.6
25°	1451.2	1454.3	1433.9	1376.8	1289.4	1201.4	1097.3	998.1	901.4	836.3	815.2
27.5°	1584.5	1587.0	1561.0	1492.2	1401.0	1287.6	1179.1	1064.4	954.1	887.1	856.1
30°	1696.7	1698.6	1673.2	1603.1	1498.4	1379.3	1247.9	1131.4	1008.0	936.7	904.5
32.5°	1791.0	1786.0	1758.7	1694.2	1596.3	1468.6	1327.9	1195.2	1071.8	989.4	953.4
35°	1836.8	1842.4	1822.6	1763.7	1673.2	1552.3	1414.7	1270.8	1130.7	1041.5	1005.5
37.5°	1836.2	1841.8	1835.0	1796.5	1721.5	1618.0	1487.8	1349.6	1204.5	1101.6	1057.6
40°	1792.8	1800.3	1804.0	1784.1	1734.5	1660.8	1546.7	1419.6	1271.5	1161.1	1114.0
42.5°	1711.0	1716.6	1728.3	1718.4	1710.4	1668.2	1592.6	1488.4	1339.7	1221.2	1167.3
45°	1603.7	1607.5	1619.2	1629.8	1644.0	1639.7	1612.4	1549.8	1417.8	1283.2	1220.6
47.5°	1453.1	1466.1	1494.6	1531.2	1556.6	1586.4	1605.6	1590.1	1490.3	1351.4	1282.0
50°	1270.8	1269.6	1321.7	1381.8	1457.4	1502.1	1564.1	1617.4	1572.1	1432.6	1355.1
52.5°	1003.7	1018.5	1084.2	1202.6	1327.9	1410.3	1499.0	1616.8	1649.6	1523.8	1439.5
55°	743.3	777.4	859.2	978.9	1154.9	1306.8	1418.4	1584.5	1720.9	1624.2	1533.1
57.5°	540.6	540.6	628.0	742.0	955.9	1176.6	1342.8	1529.3	1774.2	1737.0	1643.4
60°	393.7	391.2	454.4	552.4	723.4	972.7	1267.1	1479.1	1820.1	1854.2	1763.1
62.5°	289.5	287.6	321.1	402.9	536.2	758.2	1140.7	1455.6	1843.6	1962.7	1887.0
65°	226.3	228.1	247.3	297.6	402.9	546.2	963.4	1455.0	1846.7	2061.9	1990.6
67.5°	183.5	186.0	197.1	231.2	307.5	394.9	737.7	1412.2	1839.3	2087.9	2038.9
70°	155.0	155.6	166.1	190.3	233.1	296.9	518.9	1285.7	1800.3	2002.3	1965.8
72.5°	128.3	130.2	141.3	156.8	187.8	228.8	348.4	1053.2	1667.6	1761.2	1733.3
75°	105.4	104.1	112.8	132.0	152.5	178.5	245.5	747.0	1415.9	1397.3	1363.8
77.5°	83.7	83.1	91.1	109.1	121.5	140.1	176.7	473.6	1040.8	1023.5	996.8
80°	60.1	57.0	62.0	78.7	91.7	104.1	122.1	252.9	611.2	593.9	602.6
82.5°	34.7	34.7	36.6	49.6	58.9	67.6	78.1	134.5	292.6	301.9	291.4
85°	8.1	8.7	9.9	12.4	17.4	24.8	28.5	43.4	73.2	78.7	78.1
87.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.9	2.5	2.5	2.5
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: P1462465

CATALOG NUMBER: PRV-P-30-8540-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5
2.5°	560.4	559.8	554.2	551.1	551.7	549.3	546.2	546.2	544.3	542.4	541.8
5°	569.1	565.4	559.2	553.6	553.6	551.1	549.9	546.8	546.2	544.3	544.9
7.5°	580.9	575.3	566.6	561.0	561.0	559.2	559.2	556.7	556.1	553.6	552.4
10°	599.5	591.4	581.5	575.3	574.7	574.0	573.4	572.8	569.7	567.2	566.0
12.5°	621.8	611.9	600.1	595.7	594.5	593.3	592.0	588.3	585.8	582.7	580.9
15°	647.8	637.9	624.9	619.3	616.8	614.3	608.1	604.4	600.1	595.1	593.9
17.5°	678.2	663.9	648.4	642.2	637.3	631.7	626.1	617.4	610.6	605.0	603.8
20°	711.1	693.7	675.7	666.4	659.6	649.7	638.5	627.4	619.3	612.5	611.2
22.5°	743.3	726.5	704.9	691.8	678.2	662.7	645.3	630.5	620.5	613.7	612.5
25°	781.1	760.0	732.7	712.3	692.5	670.8	647.2	628.0	615.0	608.1	605.7
27.5°	821.4	794.7	758.2	732.1	703.0	670.1	638.5	616.8	600.7	591.4	590.2
30°	860.5	829.5	784.2	743.3	705.5	662.7	623.0	594.5	575.3	562.9	561.6
32.5°	906.3	866.0	804.7	753.8	703.0	650.3	600.7	566.0	543.7	531.3	531.3
35°	951.0	904.5	827.0	761.9	696.2	630.5	573.4	533.1	507.1	492.8	491.6
37.5°	996.8	940.4	843.7	762.5	683.8	603.8	541.2	497.8	469.9	453.2	450.1
40°	1044.6	977.6	856.1	756.9	663.9	573.4	506.5	458.7	420.9	399.2	394.3
42.5°	1086.7	1009.9	862.9	749.5	639.8	538.7	464.9	407.3	367.0	347.2	343.4
45°	1122.7	1026.0	858.6	734.6	608.8	499.7	411.6	352.1	318.0	298.2	293.8
47.5°	1166.7	1052.0	855.5	717.9	572.2	450.1	354.6	298.8	269.0	254.2	252.9
50°	1217.5	1078.0	853.6	696.2	528.2	391.8	298.2	249.2	225.7	213.9	212.6
52.5°	1270.8	1105.9	854.9	669.5	474.2	326.7	248.0	210.8	190.9	184.7	183.5
55°	1344.6	1143.8	859.8	634.8	412.9	269.7	208.9	181.0	169.9	166.8	166.8
57.5°	1423.3	1187.2	869.1	593.3	349.6	219.5	178.5	164.9	163.0	163.7	164.3
60°	1521.3	1247.3	882.8	548.6	287.0	183.5	161.2	158.1	159.9	165.5	166.8
62.5°	1615.5	1308.0	906.3	497.2	230.6	158.1	151.9	152.5	155.0	162.4	163.0
65°	1702.9	1365.7	920.6	436.4	189.7	143.8	145.1	145.1	151.3	161.8	162.4
67.5°	1740.7	1414.0	901.4	364.5	155.6	132.7	135.1	137.6	143.2	151.3	152.5
70°	1704.2	1399.8	802.8	278.3	129.6	121.5	123.4	125.8	132.7	140.7	144.4
72.5°	1528.7	1260.3	616.8	199.6	111.0	108.5	110.3	114.7	119.6	128.9	134.5
75°	1255.3	1024.1	433.9	135.8	95.5	94.2	99.2	102.3	99.8	101.7	104.8
77.5°	914.4	724.1	264.7	101.0	79.4	81.2	83.7	80.0	68.8	59.5	62.6
80°	570.3	425.9	153.1	75.0	61.4	60.1	58.9	53.3	39.1	26.7	11.8
82.5°	293.2	222.6	96.1	52.7	38.4	36.6	36.6	28.5	19.8	8.1	0.0
85°	70.1	63.2	37.8	21.7	14.3	13.6	9.3	3.7	1.2	0.0	0.0
87.5°	2.5	2.5	1.9	1.2	1.2	0.6	0.6	0.6	0.6	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)