

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: P1503016

Luminaire Tested: PRV-P-30-8540-U-T3RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503016
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T3RE
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE III
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4103.8 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - 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

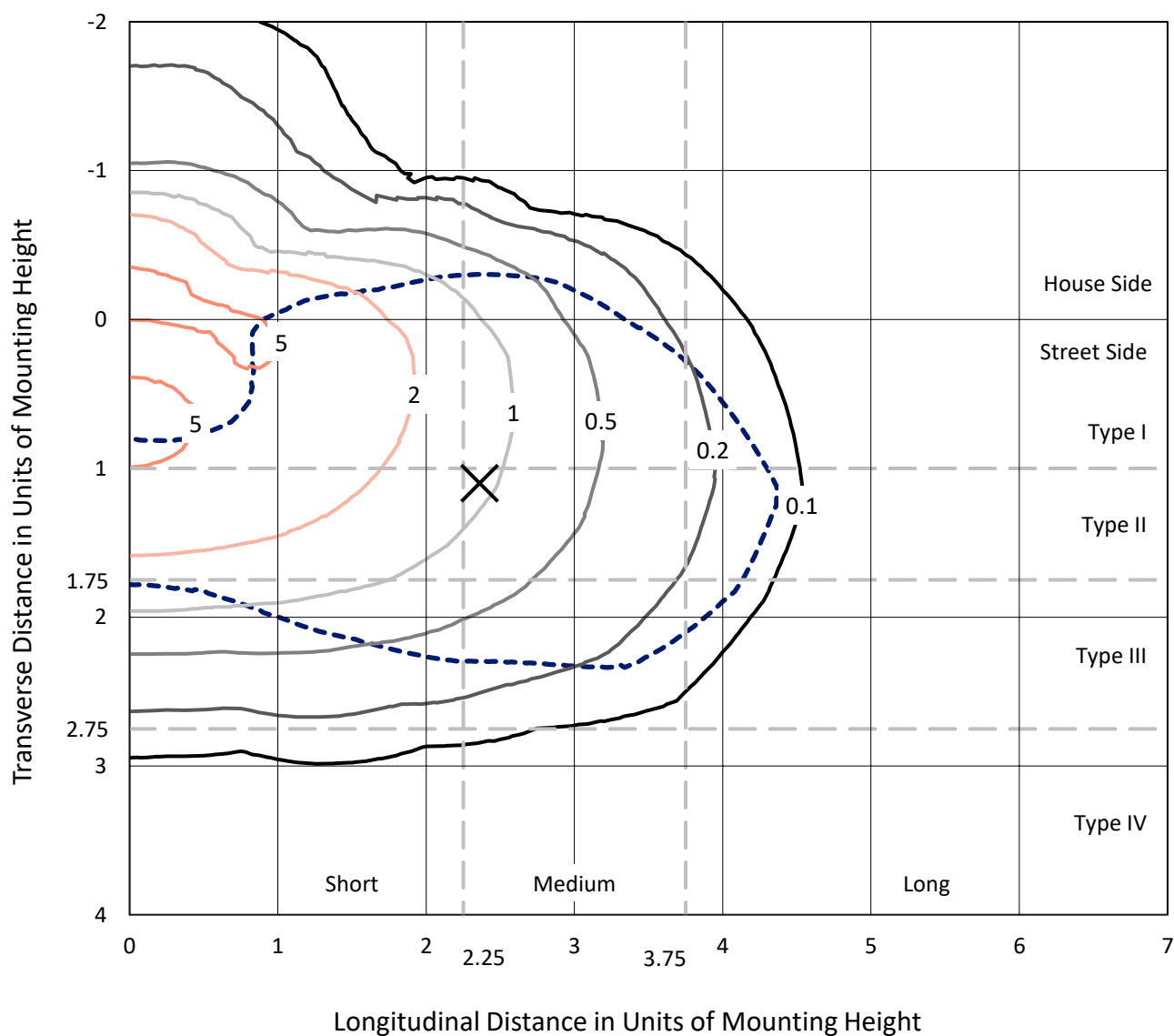
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

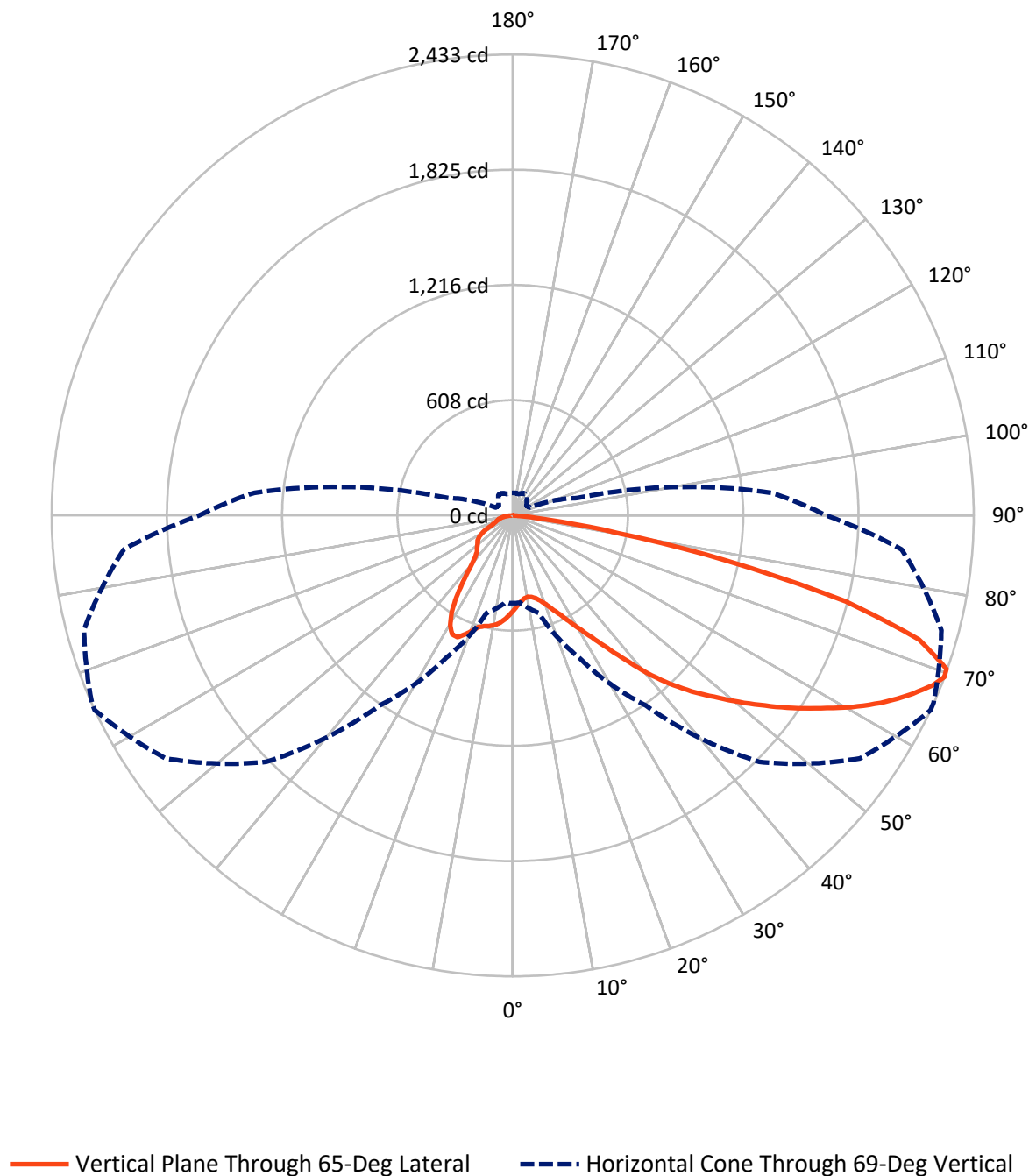


Based on 10 foot mounting height. Maximum calculated value = 6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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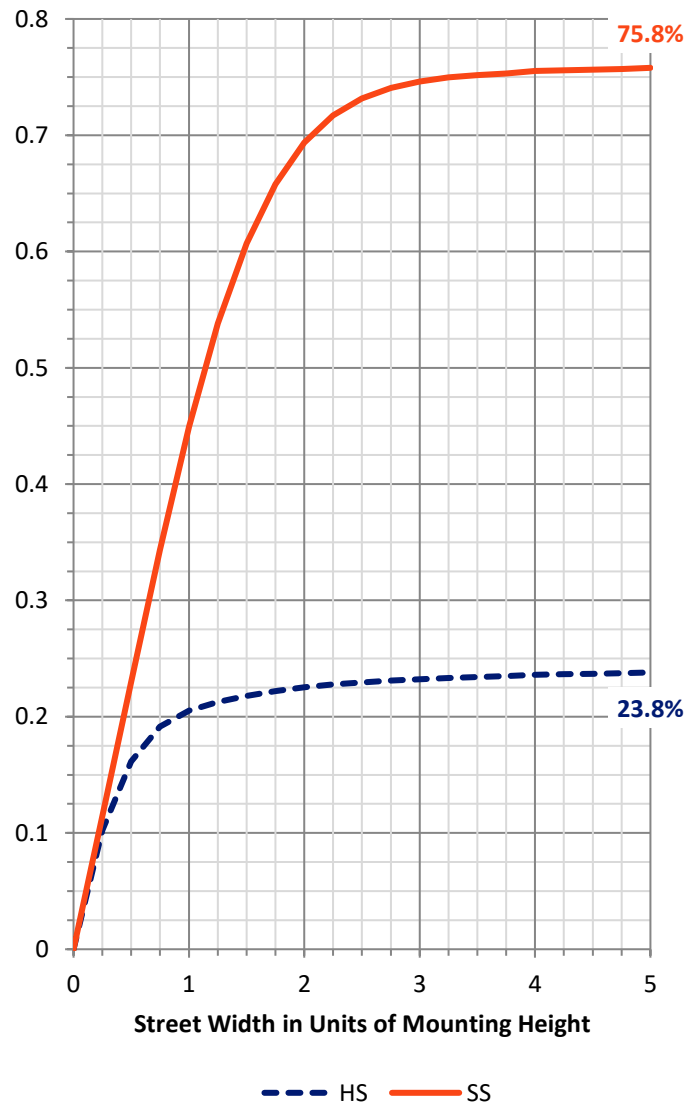
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	985.3	0.0	985.3
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	3118.5	0.0	3118.5
	% Fixture	76.0	0.0	76.0
Total	Lumens	4103.8	0.0	4103.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	1.2
10°-20°	158.6	3.9
20°-30°	292.5	7.1
30°-40°	455.6	11.1
40°-50°	671.8	16.4
50°-60°	892.5	21.7
60°-70°	987.2	24.1
70°-80°	549.1	13.4
80°-90°	48.7	1.2
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°	4103.8	100.0
0°-180°	4103.8	100.0

Coefficient of Utilization



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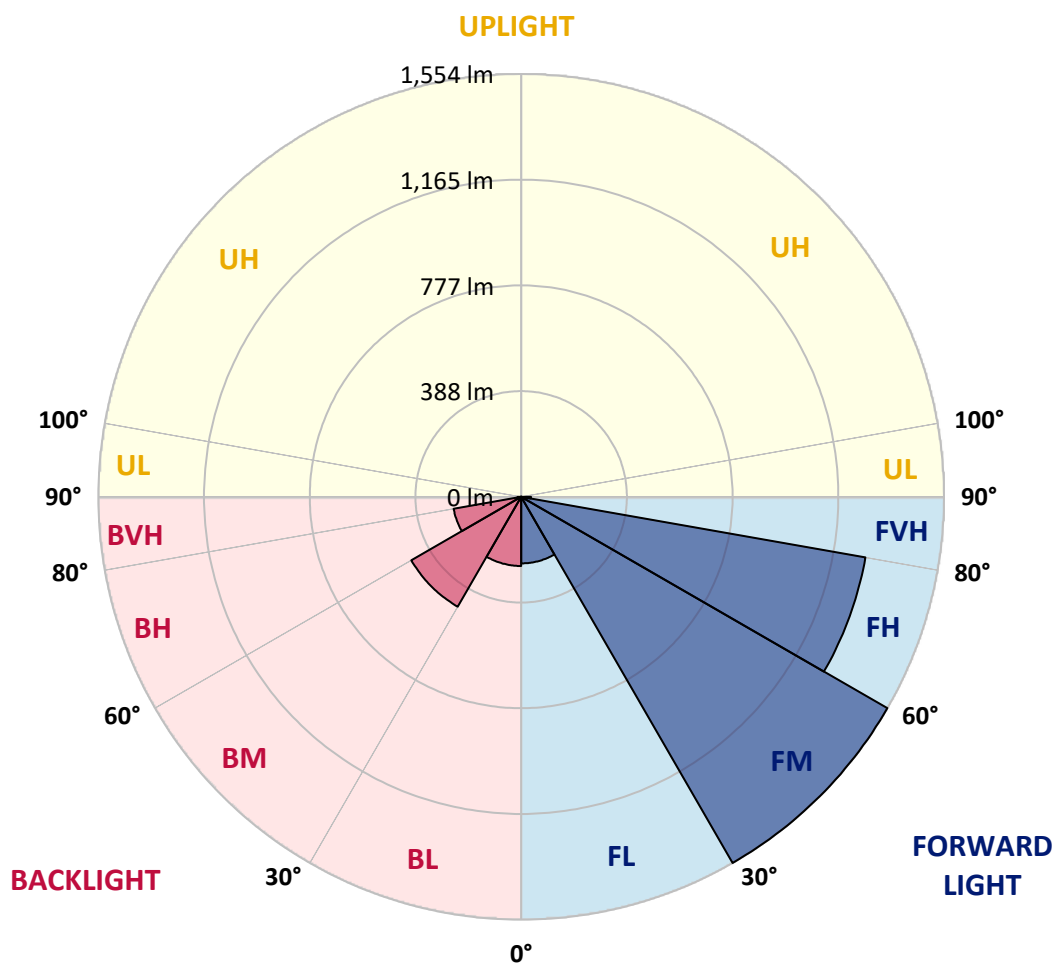
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.6	6.0			
FM	(30°-60°)	1553.8	37.9			
FH	(60°-80°)	1284.5	31.3			G1/1800
FVH	(80°-90°)	35.7	0.9			G1/100
BL	(0°-30°)	254.2	6.2	B1/500		
BM	(30°-60°)	466.2	11.4	B1/1000		
BH	(60°-80°)	251.9	6.1	B1/500		G1/500
BVH	(80°-90°)	13.0	0.3			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	445.6	443.0	446.5	450.9	457.9	461.4	469.4	476.4	478.1	486.1	496.6
5°	406.9	406.9	410.5	414.9	421.9	428.9	442.1	456.2	458.8	475.5	497.5
7.5°	404.3	403.4	405.2	406.9	409.6	414.0	424.5	442.1	444.7	470.2	501.9
10°	423.6	423.6	421.9	421.9	418.4	417.5	421.9	436.8	439.5	470.2	512.4
12.5°	456.2	456.2	453.5	449.1	441.2	434.2	431.6	441.2	443.0	475.5	530.9
15°	494.8	495.7	491.3	483.4	472.0	457.9	448.3	453.5	455.3	485.2	552.0
17.5°	539.7	541.4	534.4	524.7	507.1	488.7	473.7	472.9	472.9	502.8	581.0
20°	589.8	587.1	580.1	570.4	547.6	526.5	507.1	501.0	500.1	529.1	617.0
22.5°	648.7	649.5	634.6	616.1	595.0	569.5	546.7	537.9	537.9	563.4	661.0
25°	723.4	720.7	700.5	674.1	645.1	617.9	591.5	579.2	582.7	609.1	718.1
27.5°	801.6	798.1	772.6	738.3	699.6	668.0	643.4	632.0	632.8	665.4	780.5
30°	883.3	880.7	848.2	806.0	761.2	725.1	699.6	693.5	695.2	736.5	855.2
32.5°	972.1	963.3	927.3	883.3	831.5	790.2	769.1	767.3	768.2	818.3	936.1
35°	1074.1	1060.9	1017.8	968.6	910.6	869.3	847.3	857.8	863.1	931.7	1021.3
37.5°	1171.6	1161.1	1116.2	1062.6	1004.6	957.2	937.8	966.8	975.6	1048.6	1144.4
40°	1263.9	1258.6	1212.9	1153.2	1105.7	1054.7	1035.4	1095.2	1102.2	1182.2	1256.9
42.5°	1349.2	1343.9	1307.0	1253.4	1205.9	1144.4	1135.6	1212.9	1220.8	1310.5	1371.1
45°	1407.2	1405.4	1386.1	1347.4	1309.6	1253.4	1232.3	1324.6	1339.5	1427.4	1465.2
47.5°	1440.6	1440.6	1441.5	1431.8	1412.4	1357.1	1346.5	1430.9	1447.6	1531.1	1565.4
50°	1452.0	1451.1	1465.2	1488.9	1497.7	1465.2	1462.5	1547.8	1559.2	1644.5	1659.4
52.5°	1431.8	1435.3	1466.9	1517.9	1568.9	1566.3	1586.5	1667.3	1681.4	1750.0	1738.5
55°	1381.7	1388.7	1438.8	1529.3	1621.6	1659.4	1701.6	1794.8	1807.1	1860.7	1811.5
57.5°	1322.8	1321.0	1379.0	1512.6	1661.2	1756.1	1828.2	1919.6	1926.6	1964.4	1881.8
60°	1249.8	1255.1	1302.6	1460.8	1684.0	1851.0	1956.5	2054.1	2054.1	2068.1	1944.2
62.5°	1114.5	1127.7	1198.9	1382.6	1665.6	1919.6	2080.4	2179.8	2178.9	2166.6	1999.6
65°	845.5	858.7	969.5	1243.7	1602.3	1965.3	2184.2	2292.3	2297.5	2261.5	2058.5
67.5°	598.6	601.2	686.4	995.8	1397.5	1932.8	2244.8	2391.6	2388.1	2321.3	2082.2
69°	463.2	462.3	533.5	827.1	1224.4	1839.6	2236.0	2432.9	2431.1	2342.4	2060.2
70°	385.0	380.6	437.7	728.6	1071.4	1711.3	2177.1	2428.5	2428.5	2337.1	2014.5
72.5°	210.1	215.3	240.8	468.5	705.8	1295.5	1906.4	2243.0	2259.7	2163.1	1714.8
75°	148.5	145.0	139.8	203.9	341.0	750.6	1465.2	1815.9	1854.6	1768.4	1276.2
77.5°	134.5	130.1	110.7	98.4	126.6	283.0	955.4	1161.1	1193.6	1235.8	830.6
80°	117.8	116.0	92.3	72.1	81.7	83.5	387.6	559.0	595.9	617.0	362.1
82.5°	90.5	94.0	74.7	47.5	52.7	53.6	62.4	181.9	203.9	201.3	94.9
85°	38.7	43.1	42.2	24.6	27.2	29.0	28.1	33.4	40.4	30.8	22.0
87.5°	0.9	0.9	0.9	3.5	4.4	4.4	4.4	5.3	4.4	4.4	2.6
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°	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9	501.9
2.5°	501.9	507.1	517.7	526.5	536.1	538.8	544.9	544.9	551.1	552.8	552.8
5°	508.0	518.6	537.0	552.0	561.6	563.4	565.2	563.4	564.3	564.3	563.4
7.5°	517.7	533.5	557.2	572.2	574.8	566.9	562.5	559.0	560.8	561.6	560.8
10°	535.3	553.7	580.1	587.1	577.5	567.8	572.2	583.6	595.0	601.2	603.8
12.5°	558.1	580.1	604.7	596.8	584.5	590.6	615.3	632.8	645.1	650.4	653.9
15°	585.4	610.9	624.0	603.8	607.3	638.1	655.7	660.1	654.8	653.0	655.7
17.5°	617.0	642.5	639.0	616.1	651.3	668.9	657.4	641.6	626.7	622.3	624.0
20°	656.6	676.8	651.3	646.9	682.1	662.7	625.8	599.4	586.2	585.4	586.2
22.5°	699.6	711.1	664.5	678.5	684.7	622.3	571.3	555.5	557.2	562.5	566.0
25°	748.9	746.2	679.4	705.8	647.8	557.2	525.6	525.6	529.1	534.4	535.3
27.5°	809.5	784.9	709.3	704.0	585.4	499.2	492.2	494.0	494.0	499.2	501.9
30°	864.0	819.2	743.6	668.9	494.8	453.5	457.0	458.8	455.3	454.4	458.8
32.5°	923.8	850.8	778.7	608.2	422.8	414.9	416.6	420.1	415.7	412.2	414.9
35°	989.7	879.8	800.7	526.5	377.9	375.3	377.1	375.3	371.8	366.5	369.2
37.5°	1067.9	923.8	806.9	428.0	340.1	341.0	339.3	327.8	317.3	302.4	309.4
40°	1155.8	998.5	796.3	343.7	309.4	310.3	296.2	273.3	246.1	226.8	229.4
42.5°	1230.5	1073.2	774.3	294.4	284.8	282.1	257.5	220.6	196.0	181.1	181.9
45°	1299.9	1149.6	748.9	269.0	269.0	259.3	218.9	193.4	173.1	157.3	157.3
47.5°	1365.9	1221.7	716.3	257.5	254.0	231.2	198.6	175.8	160.0	144.1	142.4
50°	1425.6	1286.8	673.3	245.2	239.1	204.8	182.8	162.6	153.8	137.1	135.4
52.5°	1479.2	1331.6	633.7	233.8	220.6	181.9	167.0	155.6	160.8	141.5	138.0
55°	1526.7	1352.7	612.6	226.8	190.7	156.5	155.6	160.8	174.0	152.1	145.9
57.5°	1568.0	1357.1	611.7	212.7	160.8	135.4	147.7	155.6	189.8	160.0	154.7
60°	1604.9	1357.1	644.3	190.7	133.6	123.9	142.4	145.9	164.4	152.9	152.9
62.5°	1646.2	1379.0	693.5	165.2	114.3	116.9	143.3	141.5	143.3	149.4	152.9
65°	1699.0	1433.5	653.0	123.1	102.0	112.5	138.0	139.8	137.1	140.6	145.9
67.5°	1706.0	1430.0	482.5	106.4	93.2	108.1	133.6	137.1	122.2	123.1	129.2
69°	1653.3	1369.4	353.3	99.3	88.8	104.6	131.0	129.2	116.9	119.5	119.5
70°	1587.4	1306.1	290.9	95.8	86.1	102.8	127.4	126.6	116.9	116.9	111.6
72.5°	1327.2	1050.3	158.2	85.3	80.0	96.7	120.4	114.3	123.1	107.2	98.4
75°	980.9	714.6	80.0	76.5	73.0	88.8	111.6	99.3	131.8	91.4	87.9
77.5°	651.3	397.3	66.8	67.7	64.2	79.1	95.8	83.5	94.0	66.8	62.4
80°	290.0	172.3	55.4	56.3	53.6	63.3	77.3	63.3	58.9	35.2	36.9
82.5°	78.2	60.6	43.9	42.2	40.4	43.1	47.5	41.3	29.0	12.3	4.4
85°	24.6	23.7	22.0	23.7	21.1	18.5	20.2	15.8	9.7	1.8	0.0
87.5°	1.8	1.8	2.6	1.8	1.8	0.9	0.0	0.0	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)