

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: P1502912

Luminaire Tested: PRV-P-30-8540-U-T2RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1502912
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T2RE
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4122.5 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

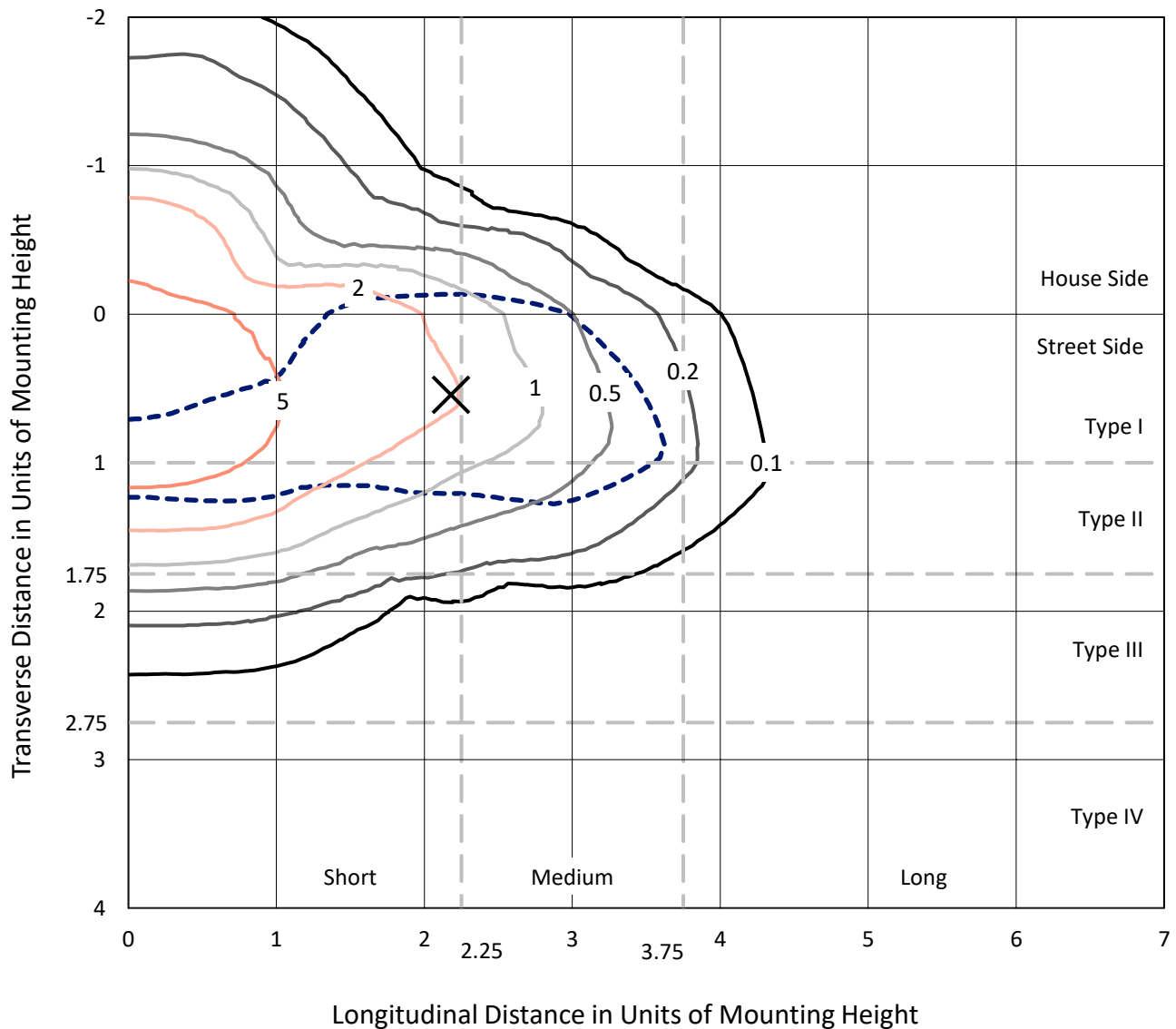
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

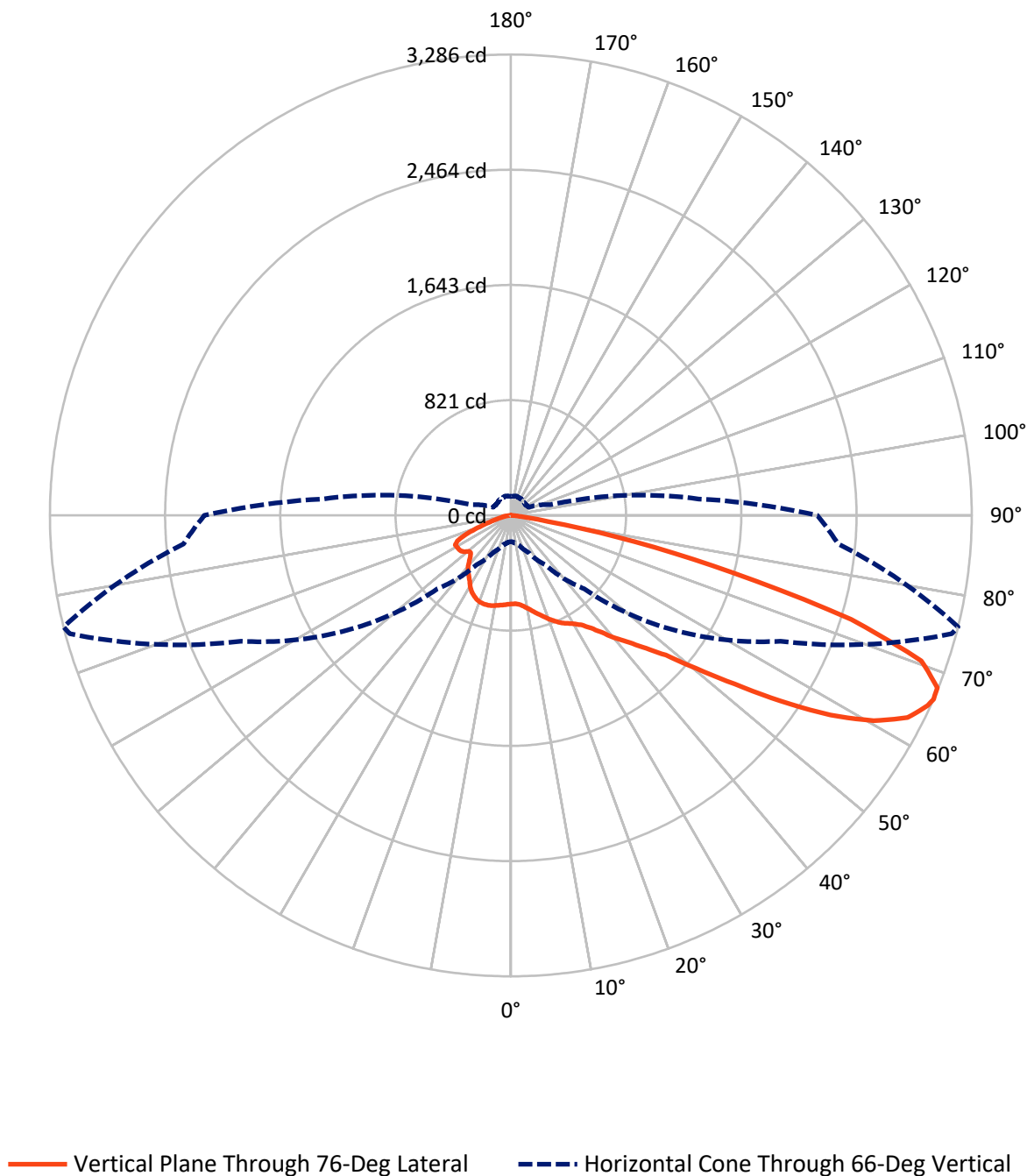


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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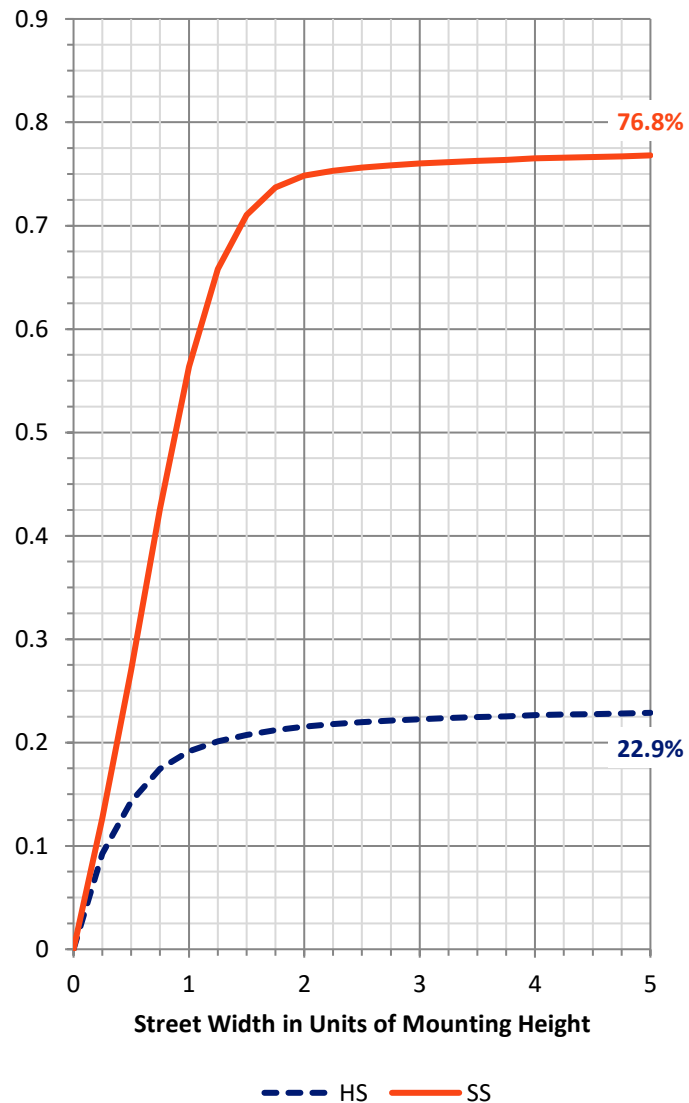
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	949.1	0.0	949.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3173.4	0.0	3173.4
	% Fixture	77.0	0.0	77.0
Total	Lumens	4122.5	0.0	4122.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	1.4
10°-20°	174.3	4.2
20°-30°	331.5	8.0
30°-40°	577.3	14.0
40°-50°	836.8	20.3
50°-60°	960.7	23.3
60°-70°	802.5	19.5
70°-80°	347.0	8.4
80°-90°	33.1	0.8
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°	4122.5	100.0
0°-180°	4122.5	100.0

Coefficient of Utilization



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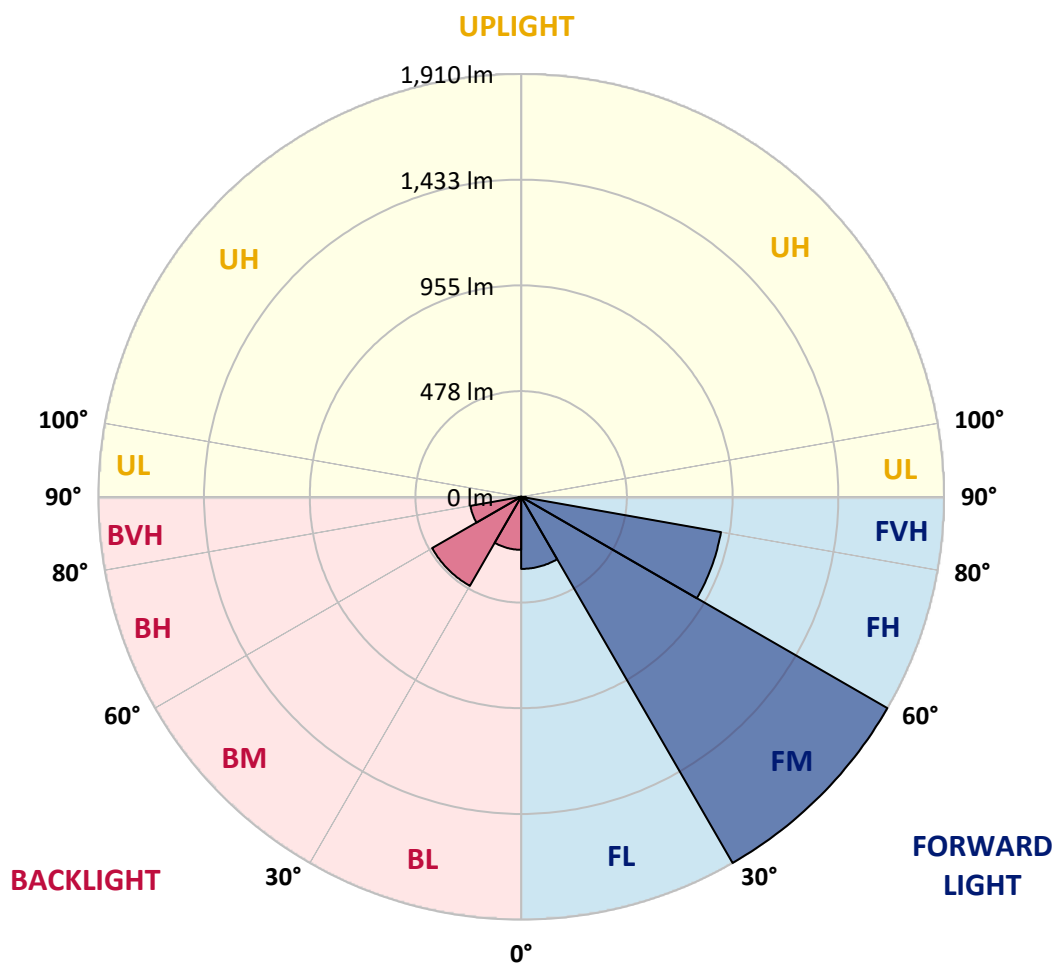
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.6	7.9			
FM	(30°-60°)	1910.1	46.3			
FH	(60°-80°)	916.5	22.2			G1/1800
FVH	(80°-90°)	21.1	0.5			G1/100
BL	(0°-30°)	239.5	5.8	B1/500		
BM	(30°-60°)	464.7	11.3	B1/1000		
BH	(60°-80°)	232.9	5.7	B1/500		G1/500
BVH	(80°-90°)	12.0	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	635.5	637.2	639.9	639.9	639.9	635.5	634.6	632.0	632.0	630.2	632.8
5°	636.4	638.1	644.3	651.3	655.7	653.9	651.3	643.4	638.1	637.2	638.1
7.5°	580.1	581.9	592.4	607.4	625.8	643.4	662.7	663.6	652.2	653.9	648.7
10°	545.8	545.0	550.2	559.9	584.5	616.1	649.5	676.8	675.9	675.0	668.0
12.5°	563.4	563.4	564.3	567.8	574.0	589.8	636.4	681.2	699.6	700.5	690.9
15°	604.7	603.8	603.0	604.7	601.2	600.3	625.8	682.1	728.7	728.7	722.5
17.5°	646.9	646.9	650.4	653.9	653.1	639.0	639.9	690.0	756.8	757.7	755.0
20°	709.3	706.7	710.2	714.6	712.8	698.8	677.7	703.2	786.7	791.1	792.8
22.5°	783.1	778.8	783.1	785.8	784.9	762.1	736.6	727.8	813.0	820.1	835.0
25°	876.3	871.0	880.7	884.2	877.2	850.8	807.8	765.6	839.4	849.9	872.8
27.5°	1010.8	1005.5	1012.6	1018.7	1002.9	957.2	893.9	814.8	862.3	871.9	906.2
30°	1205.0	1216.5	1190.1	1176.9	1149.7	1082.9	997.6	879.0	886.9	896.5	936.1
32.5°	1430.9	1431.8	1411.6	1345.7	1304.4	1227.0	1118.9	968.6	924.7	931.7	964.2
35°	1620.8	1616.4	1597.1	1556.6	1472.2	1380.8	1250.8	1069.7	976.5	986.2	999.4
37.5°	1765.8	1763.2	1763.2	1726.3	1652.4	1538.2	1390.5	1189.2	1053.9	1060.0	1048.6
40°	1884.5	1881.0	1891.5	1881.8	1825.6	1694.6	1520.6	1292.9	1144.4	1151.4	1099.6
42.5°	1987.3	1981.2	1993.5	1998.7	1966.2	1850.2	1655.9	1404.6	1235.8	1236.7	1159.3
45°	2088.4	2087.5	2101.6	2109.5	2084.9	1968.0	1773.7	1533.8	1344.8	1351.8	1238.4
47.5°	2007.5	2014.6	2075.2	2149.9	2181.6	2079.6	1888.9	1658.6	1488.9	1486.3	1336.0
50°	1750.9	1779.9	1897.7	2050.6	2181.6	2163.1	1994.3	1800.1	1688.5	1714.8	1507.4
52.5°	1412.5	1403.7	1576.8	1817.7	2061.1	2149.0	2091.9	1959.2	1975.9	1996.1	1692.0
55°	1103.1	1122.4	1255.1	1523.2	1795.7	2015.4	2134.1	2138.5	2309.0	2333.6	1869.5
57.5°	937.0	954.5	1057.4	1300.9	1522.3	1764.9	2083.1	2327.5	2648.3	2686.1	2040.0
60°	676.8	685.6	802.5	1038.9	1337.8	1454.7	1928.4	2437.3	2963.0	2971.7	2193.0
62.5°	386.7	399.0	467.6	685.6	1028.4	1256.0	1702.5	2422.4	3165.1	3174.8	2331.9
65°	210.9	219.7	261.9	372.7	589.8	973.9	1488.9	2235.2	3246.0	3266.2	2370.5
66°	187.2	190.7	218.0	288.3	430.7	740.1	1428.3	2121.8	3255.6	3285.5	2342.4
67.5°	180.2	180.2	195.1	232.9	285.7	492.2	1273.6	1975.9	3237.2	3279.4	2272.1
70°	174.9	175.8	188.1	197.8	185.5	169.6	788.4	1781.6	3018.3	3104.5	2099.8
72.5°	160.0	160.0	176.7	186.3	151.2	106.4	307.6	1504.8	2473.4	2536.7	1752.6
75°	132.7	134.5	151.2	166.1	139.8	87.0	92.3	860.5	1612.0	1630.5	1182.2
77.5°	102.8	105.5	124.8	131.0	126.6	80.0	74.7	334.0	882.5	903.6	552.9
80°	73.8	76.5	94.9	103.7	101.1	77.3	64.2	104.6	282.1	266.3	169.6
82.5°	46.6	46.6	58.0	74.7	69.4	66.8	52.7	63.3	82.6	81.7	58.9
85°	16.7	18.5	26.4	33.4	31.6	35.2	30.8	35.2	38.7	36.9	22.9
87.5°	0.9	0.9	0.9	1.8	1.8	3.5	3.5	4.4	3.5	4.4	4.4
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°	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	632.8	632.8	634.6	636.4	638.1	634.6	633.7	633.7	630.2	631.1	632.8
5°	638.1	638.1	639.9	638.1	632.0	622.3	616.1	612.6	604.7	605.6	605.6
7.5°	647.8	647.8	644.3	632.0	617.9	600.3	588.9	582.7	572.2	574.0	574.0
10°	665.4	662.7	649.5	623.2	596.8	574.0	561.7	552.9	546.7	544.1	545.0
12.5°	690.9	686.5	654.8	609.1	571.3	549.3	539.7	533.5	530.0	528.3	529.1
15°	720.7	712.8	654.8	589.8	547.6	527.4	520.3	523.0	527.4	529.1	530.9
17.5°	754.1	741.0	650.4	569.6	523.9	509.8	515.9	525.6	534.4	537.9	538.8
20°	790.2	766.4	644.3	545.8	505.4	506.3	520.3	531.8	538.8	541.4	542.3
22.5°	826.2	786.7	631.1	518.6	497.5	508.0	522.1	531.8	536.2	537.9	538.8
25°	856.1	798.1	611.8	500.1	494.0	508.0	519.5	526.5	530.9	533.5	534.4
27.5°	882.5	800.7	592.4	486.1	491.3	505.4	514.2	521.2	526.5	528.3	529.1
30°	899.2	793.7	564.3	474.6	486.9	499.2	508.0	514.2	518.6	521.2	522.1
32.5°	912.4	787.5	526.5	461.5	478.2	492.2	500.1	503.6	505.4	507.2	507.2
35°	925.5	786.7	497.5	444.8	465.8	482.5	485.2	481.7	479.0	474.6	475.5
37.5°	939.6	791.9	474.6	424.5	445.6	462.3	458.8	447.4	436.8	422.8	419.3
40°	958.1	794.6	443.9	396.4	418.4	428.1	417.5	396.4	368.3	356.0	356.0
42.5°	987.1	810.4	403.4	363.9	377.1	385.9	375.3	339.3	314.7	304.1	305.0
45°	1048.6	849.1	363.9	328.7	334.0	342.8	321.7	286.5	269.8	262.8	259.3
47.5°	1154.1	913.2	332.2	293.6	288.3	296.2	270.7	246.1	228.5	212.7	211.8
50°	1345.7	1046.8	320.8	256.7	248.7	261.9	237.3	219.7	199.5	191.6	190.7
52.5°	1557.5	1213.0	333.1	225.9	222.4	233.8	221.5	199.5	185.5	183.7	183.7
55°	1751.8	1369.4	334.0	207.4	207.4	212.7	201.3	185.5	186.3	184.6	181.9
57.5°	1926.7	1452.0	329.6	197.8	193.4	195.1	189.0	178.4	194.2	173.2	167.9
60°	2097.2	1456.4	331.4	189.0	174.0	172.3	177.5	169.6	185.5	160.0	157.3
62.5°	2194.7	1419.5	341.0	172.3	152.9	148.5	155.6	152.9	165.2	152.1	151.2
65°	2202.7	1376.4	314.7	148.5	138.0	134.5	142.4	141.5	146.8	144.1	145.0
66°	2184.2	1343.9	291.8	139.8	130.1	131.0	138.0	138.0	143.3	136.2	135.4
67.5°	2116.5	1275.4	245.2	125.7	119.5	124.8	131.8	132.7	135.4	129.2	130.1
70°	1870.4	1005.5	168.8	110.7	109.9	116.0	119.5	123.1	125.7	131.0	132.7
72.5°	1437.1	619.7	116.0	100.2	101.1	107.2	108.1	114.3	131.0	137.1	131.8
75°	886.0	314.7	89.7	85.3	90.5	95.8	97.6	102.8	132.7	129.2	113.4
77.5°	428.9	144.1	71.2	71.2	74.7	80.9	81.7	86.1	119.5	94.0	82.6
80°	132.7	75.6	56.3	56.3	58.0	58.9	63.3	68.6	79.1	50.1	51.0
82.5°	54.5	51.0	43.1	40.4	36.0	36.0	36.0	44.8	40.4	21.1	7.9
85°	24.6	21.1	20.2	16.7	15.8	14.1	14.1	22.0	15.8	5.3	0.0
87.5°	2.6	2.6	2.6	2.6	1.8	0.9	0.9	0.9	0.9	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)