

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: P1462257

Luminaire Tested: PRV-P-30-8540-U-T3R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462257
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T3R-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE III
DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2748.3 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - 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

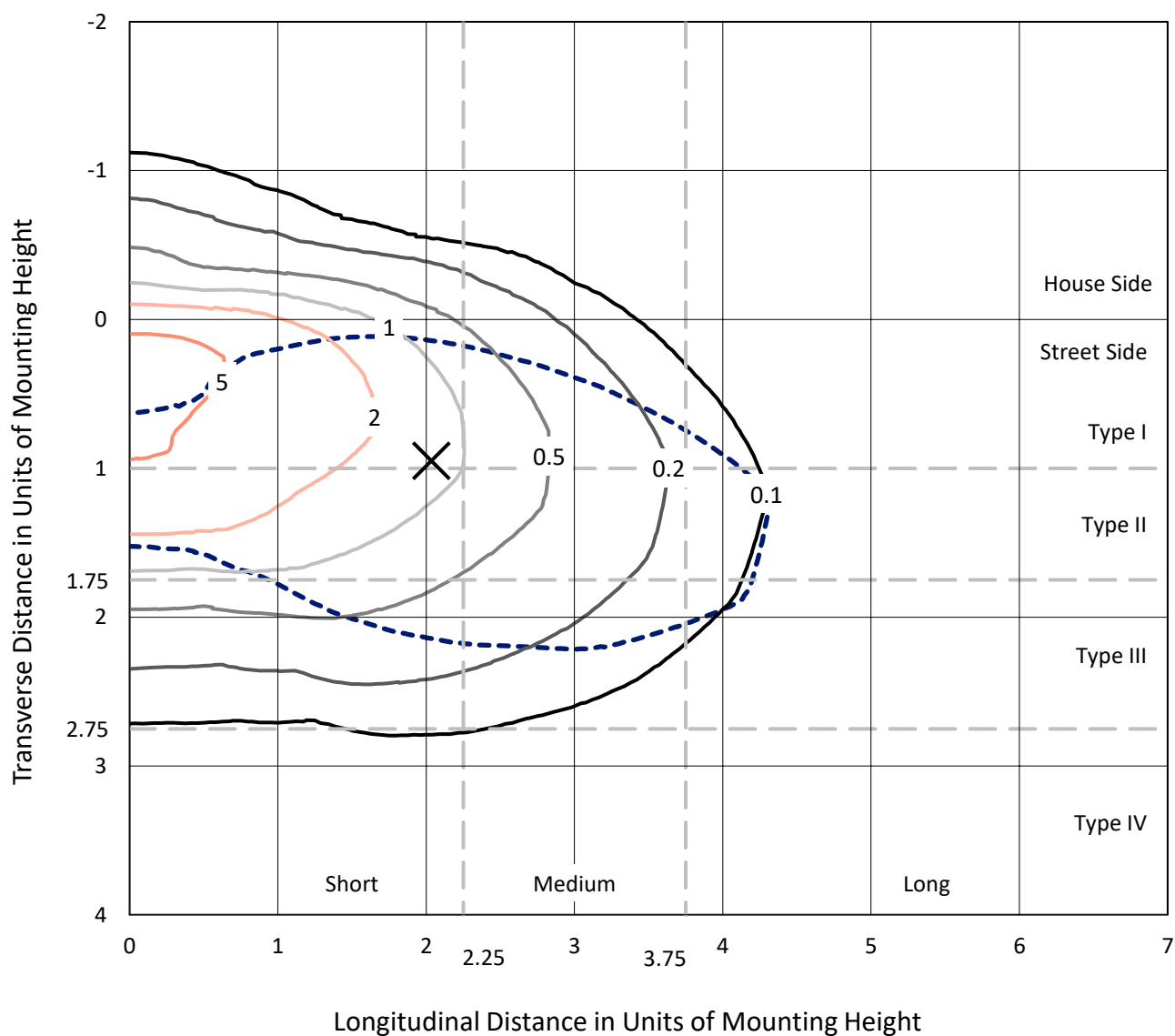
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



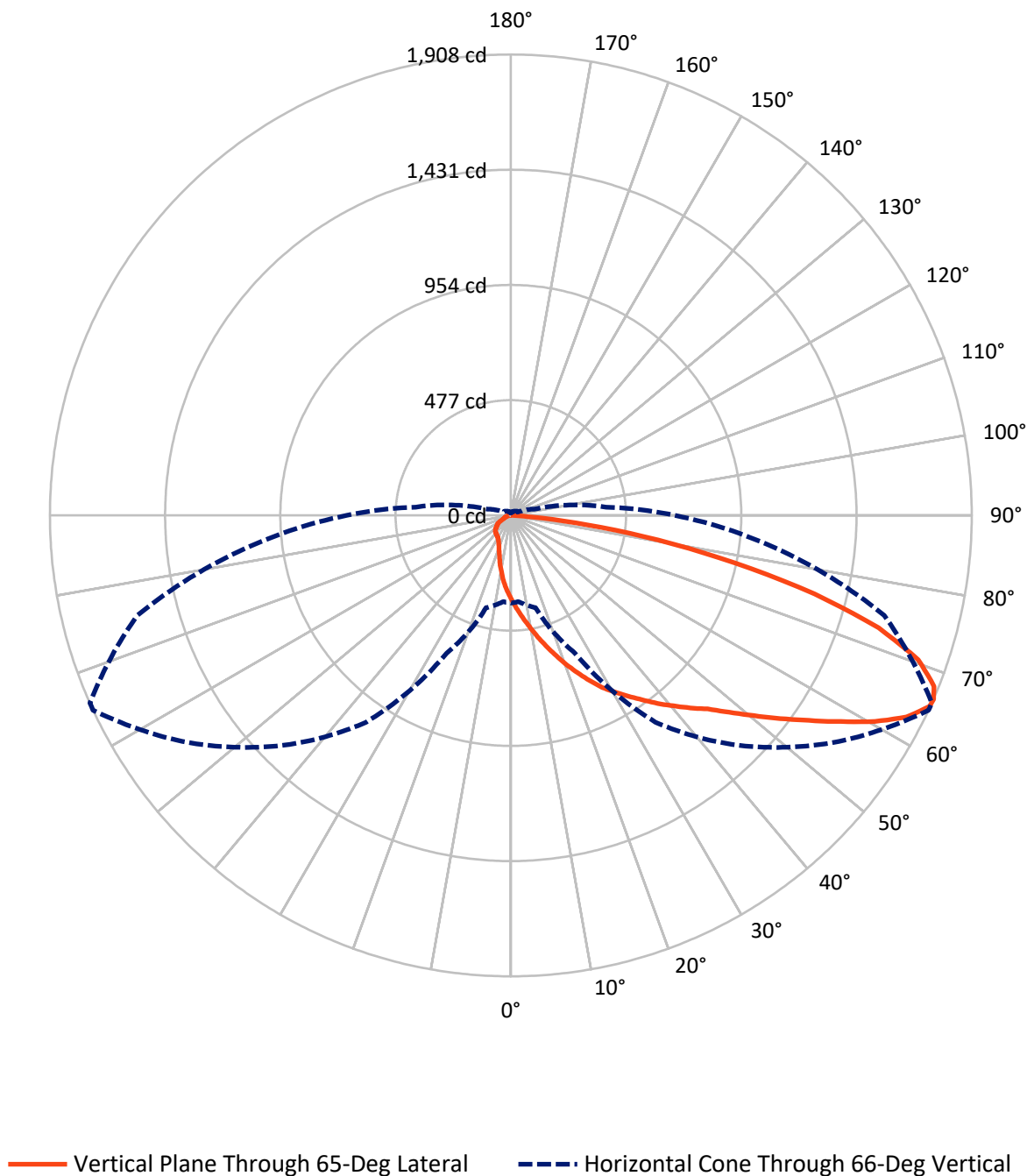
Based on 10 foot mounting height. Maximum calculated value = 6.5 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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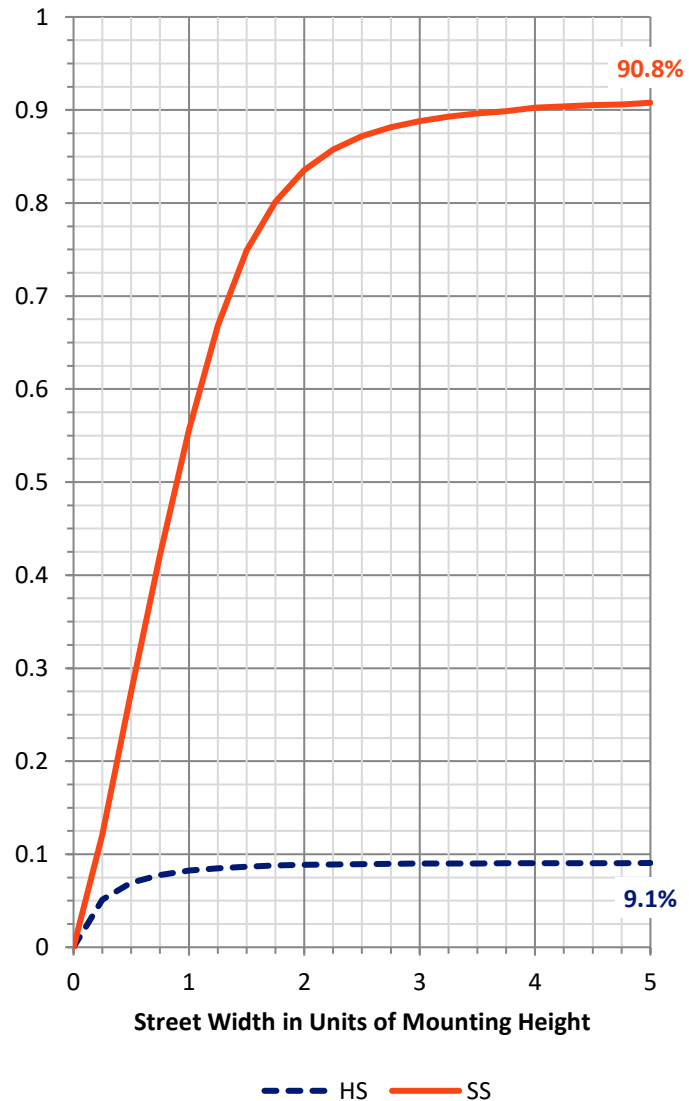
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	250.7	0.0	250.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	2497.5	0.0	2497.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	2748.3	0.0	2748.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	1.2
10°-20°	112.7	4.1
20°-30°	205.9	7.5
30°-40°	321.6	11.7
40°-50°	483.8	17.6
50°-60°	613.6	22.3
60°-70°	588.9	21.4
70°-80°	340.2	12.4
80°-90°	47.4	1.7
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°	2748.3	100.0
0°-180°	2748.3	100.0

Coefficient of Utilization



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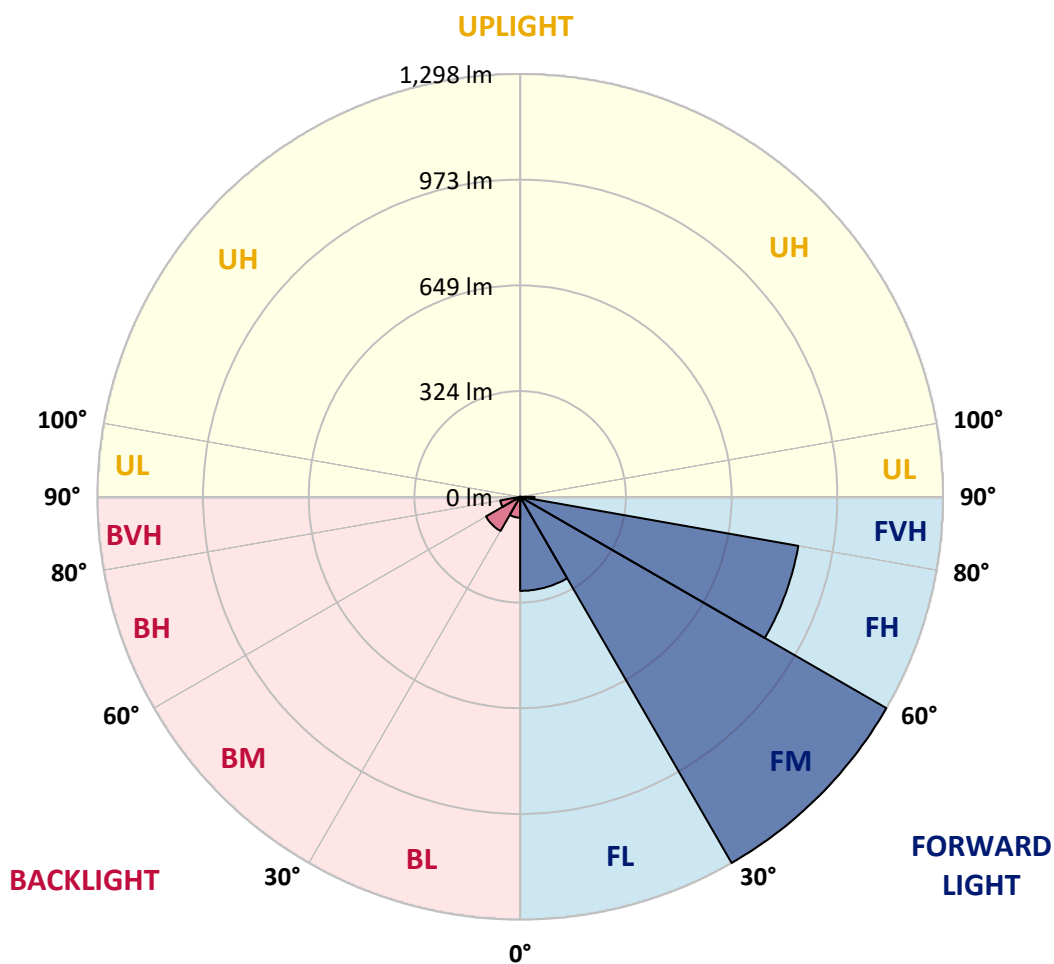
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.7	10.5			
FM	(30°-60°)	1297.8	47.2			
FH	(60°-80°)	866.9	31.5			G1/1800
FVH	(80°-90°)	44.1	1.6			G1/100
BL	(0°-30°)	64.1	2.3	B0/110		
BM	(30°-60°)	121.2	4.4	B0/220		
BH	(60°-80°)	62.2	2.3	B0/110		G0/110
BVH	(80°-90°)	3.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8
2.5°	419.1	417.8	414.1	411.6	404.2	398.6	388.1	377.5	375.7	366.4	355.2
5°	489.8	487.3	490.4	478.0	466.8	451.9	430.2	410.4	405.4	385.6	363.3
7.5°	567.9	565.4	566.0	551.1	535.0	509.6	477.4	443.9	437.7	407.3	372.0
10°	633.6	636.1	631.7	620.6	600.7	569.1	530.0	482.3	477.4	434.0	383.7
12.5°	688.1	688.8	691.2	677.0	660.2	627.4	582.1	523.2	513.9	460.6	396.1
15°	731.5	729.0	729.7	722.8	708.6	679.5	633.6	566.6	558.6	490.4	410.4
17.5°	752.6	752.6	756.9	754.5	748.9	729.0	684.4	611.3	603.8	517.6	424.7
20°	770.0	770.6	774.9	777.4	779.3	768.7	734.6	659.6	648.5	554.2	443.3
22.5°	790.4	791.0	794.8	798.5	805.3	802.8	779.9	707.4	695.6	593.3	463.7
25°	822.0	822.0	823.3	822.0	828.9	835.1	821.4	756.9	745.8	636.7	487.9
27.5°	855.5	861.7	859.9	856.1	856.1	861.7	860.5	806.5	794.8	677.0	512.7
30°	902.6	902.6	902.0	893.3	888.4	887.8	890.9	848.1	837.5	718.5	536.9
32.5°	950.4	955.3	952.8	941.1	924.3	913.2	921.9	892.1	881.6	763.8	566.0
35°	988.8	987.6	995.0	982.0	957.8	944.2	957.8	937.3	930.5	817.1	602.6
37.5°	1056.4	1046.5	1049.6	1016.7	980.7	975.2	993.1	987.6	978.3	872.9	640.4
40°	1162.4	1163.0	1159.9	1081.2	1016.7	1006.2	1035.3	1035.9	1030.3	931.1	681.9
42.5°	1298.8	1298.8	1269.6	1169.2	1082.4	1048.9	1082.4	1089.2	1084.3	982.0	714.8
45°	1357.0	1349.0	1335.4	1249.8	1191.5	1106.0	1133.9	1142.5	1140.7	1040.3	755.7
47.5°	1408.5	1401.7	1372.5	1319.2	1290.1	1181.0	1190.9	1216.3	1212.0	1109.1	807.8
50°	1422.8	1406.6	1401.7	1370.1	1355.2	1250.4	1259.1	1303.1	1299.4	1182.2	857.4
52.5°	1318.0	1318.6	1359.5	1393.0	1368.8	1306.8	1327.3	1396.7	1389.3	1261.6	907.0
55°	1081.2	1104.1	1207.6	1355.2	1369.4	1344.0	1411.0	1497.2	1494.7	1347.1	949.7
57.5°	885.3	889.0	981.4	1257.2	1340.9	1378.1	1502.7	1610.0	1606.3	1433.3	991.3
60°	701.2	705.5	770.0	1096.7	1293.8	1406.6	1588.3	1731.5	1729.0	1516.4	1014.8
62.5°	531.9	538.7	597.6	893.3	1219.4	1413.5	1650.3	1837.5	1829.4	1577.7	1022.3
65°	400.5	403.6	447.6	704.9	1105.4	1377.5	1652.1	1905.1	1905.7	1601.3	999.3
66°	362.7	358.3	395.5	629.2	1044.6	1347.7	1637.3	1907.6	1906.9	1600.1	978.3
67.5°	310.0	306.3	339.7	518.3	945.4	1279.6	1582.7	1889.0	1891.4	1587.0	942.3
70°	234.3	236.2	263.5	360.8	758.2	1115.9	1442.0	1789.1	1796.6	1532.5	865.4
72.5°	175.4	179.2	202.1	252.3	526.9	897.1	1242.4	1591.4	1619.9	1421.5	748.3
75°	127.7	131.4	149.4	179.2	339.7	619.9	1003.1	1297.5	1314.3	1199.0	605.7
77.5°	91.1	93.6	106.6	128.9	194.0	375.7	688.8	948.5	963.4	937.3	465.0
80°	46.5	50.2	55.2	67.6	113.4	197.8	392.4	618.7	634.8	621.8	317.4
82.5°	27.3	29.1	33.5	38.4	51.5	89.3	210.8	317.4	339.1	364.5	185.4
85°	11.2	13.0	16.7	20.5	23.6	32.9	60.8	87.4	83.1	90.5	52.1
87.5°	0.6	0.6	1.2	2.5	4.3	5.0	6.2	5.6	5.0	3.7	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8
2.5°	349.0	343.4	331.0	319.9	311.2	298.8	292.6	284.6	282.1	276.5	275.9
5°	350.9	339.1	314.9	292.6	270.3	252.9	239.9	226.9	217.0	213.9	214.5
7.5°	354.6	336.0	300.7	264.7	233.1	208.9	190.3	175.4	167.4	164.3	164.3
10°	358.3	332.9	283.9	235.6	197.1	170.5	151.3	139.5	133.9	131.4	131.4
12.5°	364.5	331.7	267.8	210.8	167.4	140.7	127.7	119.6	117.2	114.7	114.7
15°	370.1	330.4	251.1	184.1	142.6	122.7	112.2	107.2	104.8	104.1	103.5
17.5°	377.5	330.4	235.6	162.4	124.6	108.5	101.1	97.3	94.9	94.9	94.9
20°	386.8	331.0	220.7	146.3	113.4	98.6	91.8	88.7	86.8	86.2	86.2
22.5°	399.2	333.5	207.1	132.0	103.5	91.1	83.1	80.6	79.4	78.7	78.7
25°	414.1	337.9	194.7	121.5	96.1	83.1	75.6	73.2	71.3	70.7	70.7
27.5°	429.0	342.2	184.1	112.8	88.7	75.6	68.8	65.7	64.5	63.2	63.9
30°	444.5	345.9	175.4	107.2	81.2	68.8	62.6	58.9	57.0	57.0	57.0
32.5°	463.1	350.3	169.9	103.5	75.6	63.9	57.0	52.7	52.1	51.5	51.5
35°	487.3	363.3	168.0	101.1	71.3	58.9	52.1	47.7	47.1	47.1	47.1
37.5°	515.8	377.5	170.5	98.6	67.6	55.2	49.0	44.6	44.0	44.0	44.0
40°	541.8	387.5	173.6	96.1	64.5	51.5	45.9	42.2	41.5	41.5	41.5
42.5°	558.6	386.2	168.6	93.6	62.0	49.6	43.4	39.7	39.1	39.1	39.1
45°	583.4	391.8	164.3	91.8	60.1	47.1	41.5	37.8	36.6	37.2	37.2
47.5°	614.4	403.0	159.3	86.8	58.9	45.3	39.7	36.0	34.7	34.7	34.7
50°	645.4	412.3	155.6	80.6	57.7	42.8	37.2	33.5	32.2	32.2	32.2
52.5°	673.3	418.5	152.5	74.4	54.6	40.3	34.7	31.6	30.4	30.4	30.4
55°	694.3	422.2	147.5	69.4	50.2	37.8	32.2	29.8	27.9	26.7	26.7
57.5°	714.8	425.3	142.6	64.5	45.3	34.7	30.4	27.3	24.2	23.6	23.6
60°	723.5	426.5	135.1	56.4	39.7	31.6	27.9	24.2	21.1	19.8	19.8
62.5°	717.9	418.5	124.6	45.9	35.3	29.1	24.8	21.1	17.4	16.1	16.7
65°	695.6	403.6	108.5	35.3	31.6	26.0	21.7	18.0	14.3	13.0	13.0
66°	678.8	395.5	99.8	32.9	30.4	24.8	20.5	16.7	13.0	11.2	10.5
67.5°	649.7	378.8	87.4	30.4	28.5	22.9	19.2	14.3	9.9	8.7	8.7
70°	588.9	344.1	66.3	26.7	25.4	20.5	15.5	11.2	7.4	6.2	6.2
72.5°	502.2	283.3	47.1	23.6	22.3	16.7	13.0	9.3	6.2	4.3	4.3
75°	393.7	204.0	36.0	21.1	18.6	14.3	10.5	7.4	4.3	3.1	3.1
77.5°	276.5	130.8	29.8	18.6	15.5	12.4	8.7	5.0	3.1	1.9	1.9
80°	167.4	73.2	22.9	15.5	13.6	9.3	5.6	3.1	1.9	0.6	0.6
82.5°	91.1	37.8	13.6	11.2	8.7	5.6	3.1	1.2	0.6	0.0	0.0
85°	22.9	11.8	5.0	3.1	2.5	1.2	0.6	0.6	0.0	0.0	0.0
87.5°	1.9	1.9	1.9	1.9	1.2	0.6	0.6	0.0	0.0	0.0	0.6
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)