

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: P1462101

Luminaire Tested: PRV-P-30-8540-U-T4W-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462101
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T4W-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE IV WIDE 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: 2752.4 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

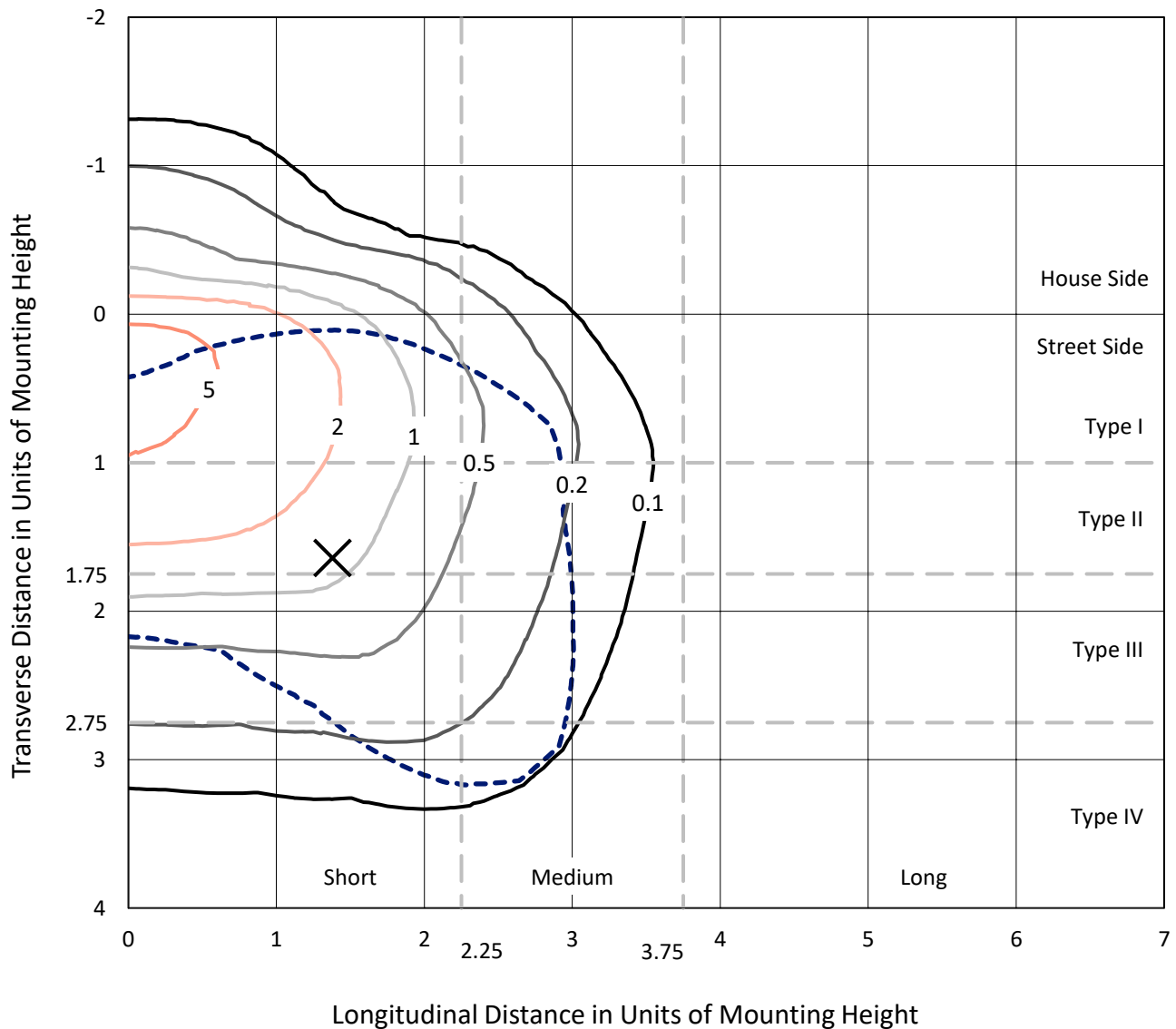
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

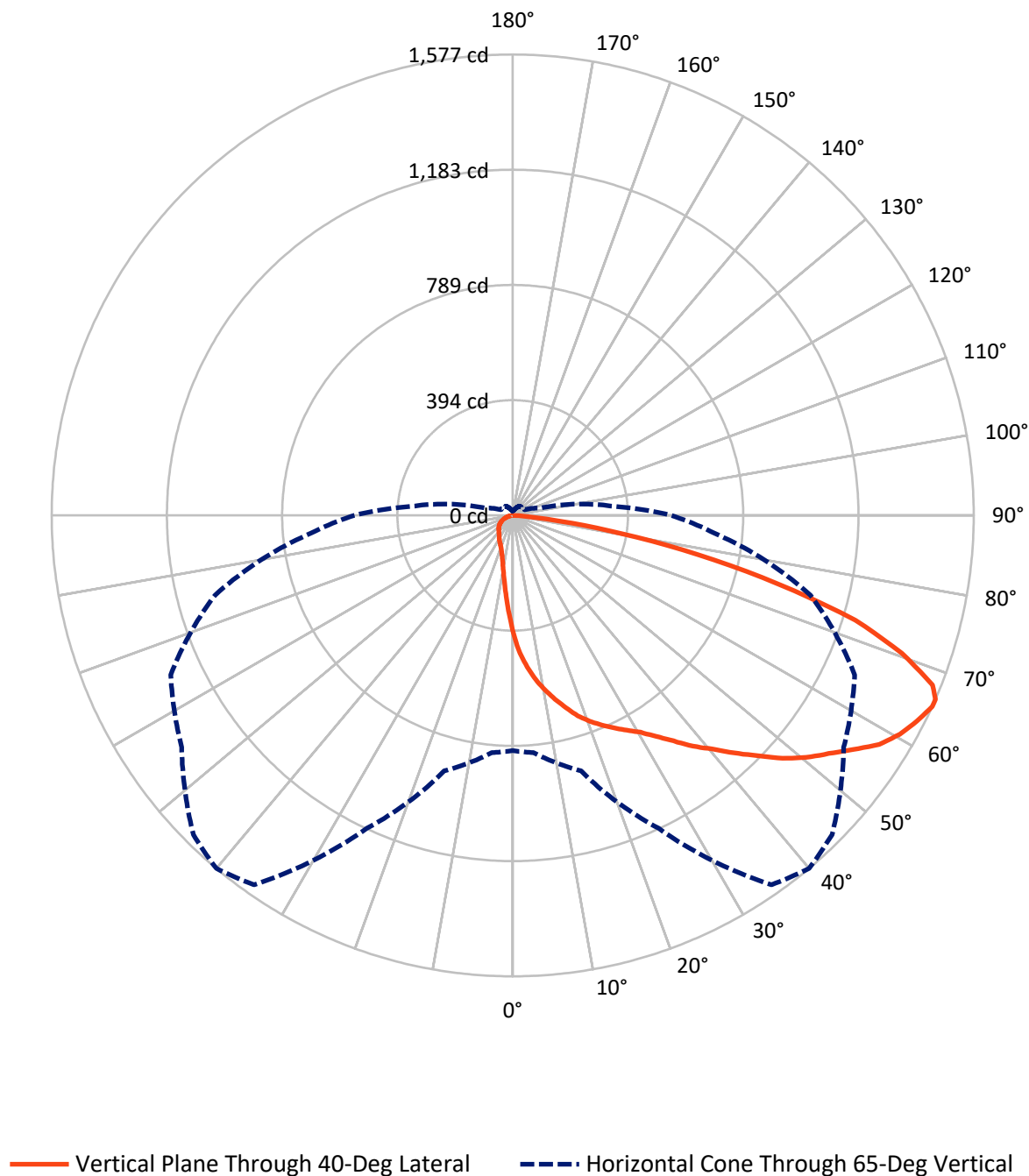


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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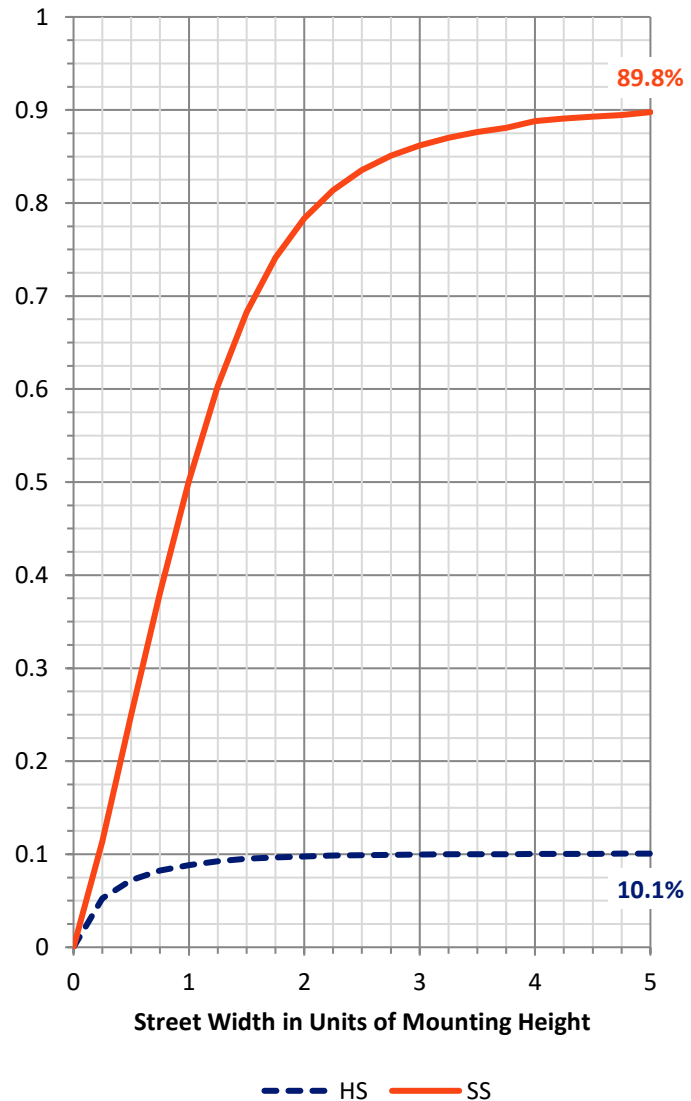
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	278.7	0.0	278.7
	% Fixture	10.1	0.0	10.1
Street Side	Lumens	2473.7	0.0	2473.7
	% Fixture	89.9	0.0	89.9
Total	Lumens	2752.4	0.0	2752.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	1.4
10°-20°	118.5	4.3
20°-30°	209.3	7.6
30°-40°	326.4	11.9
40°-50°	484.0	17.6
50°-60°	618.9	22.5
60°-70°	599.4	21.8
70°-80°	317.9	11.5
80°-90°	39.5	1.4
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°	2752.4	100.0
0°-180°	2752.4	100.0

Coefficient of Utilization



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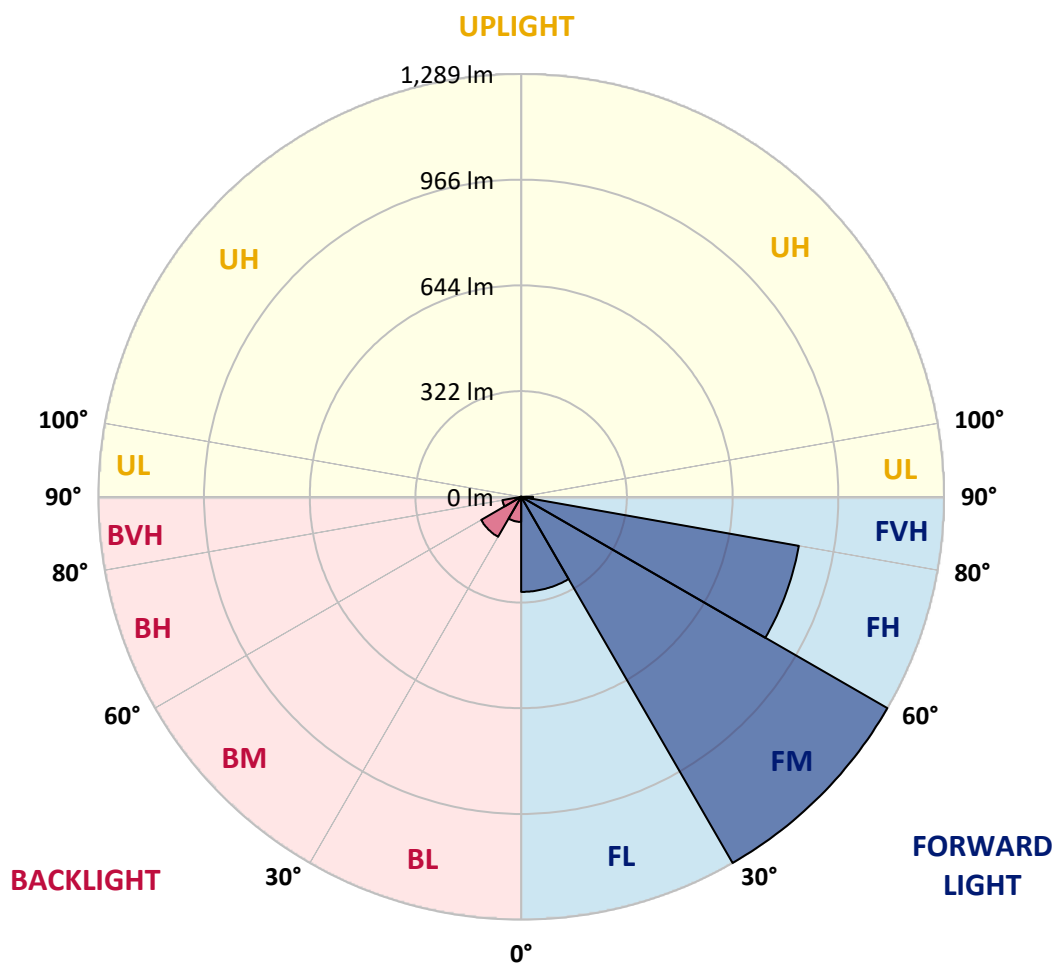
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.7	10.5			
FM	(30°-60°)	1288.5	46.8			
FH	(60°-80°)	859.2	31.2			G1/1800
FVH	(80°-90°)	36.3	1.3			G1/100
BL	(0°-30°)	76.5	2.8	B0/110		
BM	(30°-60°)	140.8	5.1	B0/220		
BH	(60°-80°)	58.1	2.1	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7
2.5°	486.7	485.4	483.6	481.1	473.0	471.8	465.6	456.9	444.5	432.7	417.2
5°	546.8	546.2	544.3	540.0	529.4	521.4	516.4	497.2	478.0	452.6	424.7
7.5°	598.9	595.8	595.8	587.7	575.3	567.9	556.7	535.0	506.5	474.3	435.2
10°	641.7	642.9	639.2	631.7	618.1	607.6	598.3	571.0	536.3	496.0	445.8
12.5°	684.4	682.6	680.1	669.6	659.0	645.4	633.6	606.3	566.0	518.3	457.5
15°	719.2	719.8	719.2	712.3	697.5	683.2	671.4	638.6	596.4	541.8	471.2
17.5°	748.3	742.7	746.4	744.0	730.9	721.0	706.1	672.7	623.1	563.5	486.7
20°	762.6	761.9	768.1	767.5	761.3	751.4	745.2	706.8	654.1	592.7	500.3
22.5°	779.9	781.2	785.5	790.5	784.9	779.3	771.9	742.1	691.3	618.7	517.0
25°	799.1	799.8	805.9	807.8	809.0	805.9	803.5	781.8	722.9	647.2	535.6
27.5°	831.4	828.9	832.6	833.2	834.5	832.0	833.2	815.2	766.3	680.1	556.7
30°	871.0	869.8	867.3	861.1	862.4	861.1	864.8	856.2	806.6	714.2	576.6
32.5°	930.6	929.9	923.1	908.2	901.4	900.8	900.2	890.9	848.1	749.5	600.7
35°	1002.5	991.3	991.3	972.1	962.2	947.9	940.5	934.9	890.3	789.8	626.2
37.5°	1078.1	1077.5	1068.2	1044.6	1027.3	1001.9	987.0	971.5	931.2	829.5	650.3
40°	1173.0	1166.8	1152.5	1124.6	1085.6	1050.8	1032.2	1016.1	974.0	868.6	673.3
42.5°	1275.9	1262.9	1239.3	1201.5	1148.2	1111.0	1088.7	1059.5	1018.6	909.5	699.3
45°	1376.9	1346.6	1313.7	1285.8	1207.7	1172.3	1150.0	1112.2	1067.0	951.0	724.1
47.5°	1423.4	1387.5	1376.3	1359.6	1271.5	1241.8	1216.4	1168.6	1114.7	1001.9	750.8
50°	1428.4	1404.2	1425.3	1407.3	1326.1	1301.9	1281.5	1230.6	1164.9	1049.0	775.6
52.5°	1392.4	1395.5	1435.2	1426.5	1378.2	1354.0	1344.1	1291.4	1212.0	1088.0	795.4
55°	1332.9	1331.7	1399.3	1453.8	1431.5	1413.5	1401.7	1357.1	1265.3	1121.5	812.1
57.5°	1243.0	1238.1	1313.1	1454.4	1487.9	1478.6	1462.5	1419.7	1304.4	1133.3	815.2
60°	1127.1	1112.2	1190.9	1396.2	1512.7	1520.8	1512.7	1458.1	1335.4	1120.9	794.8
62.5°	980.2	971.5	1064.5	1298.8	1533.8	1551.8	1536.9	1447.6	1339.7	1094.2	755.1
65°	804.7	814.6	905.1	1181.6	1543.1	1577.2	1544.9	1382.5	1290.8	1054.6	691.3
66°	734.7	752.6	837.6	1124.0	1531.9	1577.2	1539.4	1349.7	1249.8	1028.5	662.1
67.5°	653.4	660.3	736.5	1032.9	1499.1	1549.3	1507.1	1293.2	1177.3	986.4	611.9
70°	509.0	522.0	589.6	845.0	1362.1	1412.3	1368.9	1163.7	1001.9	876.0	505.9
72.5°	377.6	390.0	461.3	658.4	1156.8	1226.3	1180.4	985.7	814.0	720.4	403.6
75°	259.1	276.5	332.3	479.2	851.8	939.9	935.5	764.4	619.3	538.1	300.1
77.5°	147.6	154.4	210.2	310.0	545.6	647.2	659.0	546.2	432.7	363.3	212.6
80°	68.8	70.1	101.7	179.2	316.2	376.3	409.2	356.5	266.0	225.0	146.3
82.5°	29.1	32.9	47.7	72.5	125.9	163.0	192.8	200.2	143.8	130.8	93.0
85°	3.7	4.3	5.6	20.5	34.7	46.5	58.9	60.8	51.5	51.5	33.5
87.5°	0.6	0.6	1.2	1.9	2.5	2.5	3.1	5.0	2.5	1.9	1.9
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°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7
2.5°	409.2	402.4	384.4	371.4	357.1	344.1	332.9	326.7	320.5	317.4	318.0
5°	408.6	394.9	363.9	333.5	308.1	287.0	269.1	257.9	249.8	244.3	244.3
7.5°	411.7	388.1	340.4	301.3	266.6	238.7	218.8	205.8	196.5	194.0	191.6
10°	414.1	383.8	321.8	267.2	226.9	201.5	182.3	171.1	162.4	159.3	158.1
12.5°	419.7	380.7	303.8	241.8	199.0	171.1	155.6	145.1	140.1	137.6	137.6
15°	427.2	378.8	287.0	217.6	175.4	151.3	136.4	128.3	125.2	122.8	122.1
17.5°	434.6	378.8	270.3	199.0	158.1	136.4	123.4	116.6	113.5	112.2	112.2
20°	442.0	376.9	256.7	183.5	145.1	124.0	112.8	108.5	106.0	104.2	104.2
22.5°	450.7	376.3	242.4	168.6	133.3	115.3	105.4	101.1	98.6	97.3	97.3
25°	461.9	377.6	230.6	155.6	124.0	109.1	99.2	94.2	91.1	90.5	89.3
27.5°	474.9	380.7	220.7	146.9	115.9	103.5	93.6	88.0	84.3	83.1	82.5
30°	488.5	383.8	211.4	136.4	108.5	97.3	88.0	81.2	78.1	76.9	76.3
32.5°	502.8	387.5	204.0	129.0	102.3	91.1	83.1	75.6	73.2	71.9	71.3
35°	517.7	393.1	195.3	121.5	96.7	85.6	78.1	70.7	68.8	67.6	67.6
37.5°	535.0	398.0	189.7	115.9	92.4	81.2	73.8	67.6	65.7	65.1	64.5
40°	551.1	404.2	187.8	111.6	88.7	77.5	70.1	63.9	62.6	62.0	62.0
42.5°	566.0	410.4	185.4	107.9	84.3	73.8	67.0	62.0	60.1	59.5	59.5
45°	580.9	414.1	181.0	104.2	80.0	70.7	65.1	59.5	57.7	56.4	56.4
47.5°	595.8	419.1	174.8	99.8	76.3	68.2	62.6	57.0	55.2	53.9	53.9
50°	609.4	421.6	169.2	93.6	71.9	64.5	59.5	54.6	52.7	50.8	50.8
52.5°	621.8	424.1	160.6	88.0	68.2	61.4	57.0	52.1	49.0	46.5	45.9
55°	631.1	425.3	150.7	79.4	63.2	57.7	53.9	49.0	42.8	38.4	37.2
57.5°	631.1	424.1	139.5	70.1	58.3	53.3	50.8	44.6	34.7	29.8	29.1
60°	621.8	413.5	127.7	60.1	52.7	49.0	47.1	38.4	28.5	24.2	23.6
62.5°	593.9	394.9	112.8	52.1	47.1	44.6	42.8	32.9	23.6	19.8	19.2
65°	541.8	349.7	94.9	45.9	42.2	40.9	38.4	27.9	19.8	16.1	16.1
66°	517.0	329.2	88.0	44.0	40.3	39.1	36.0	26.0	18.0	14.3	13.6
67.5°	468.1	295.7	77.5	40.9	37.2	37.2	33.5	23.6	14.3	10.5	10.5
70°	380.7	235.6	63.2	36.6	33.5	31.6	27.9	18.0	10.5	7.4	6.8
72.5°	292.6	179.2	52.7	32.9	31.0	26.7	22.9	14.9	8.1	5.0	5.0
75°	216.4	130.2	45.9	28.5	26.0	21.1	19.8	11.2	5.6	3.1	3.1
77.5°	148.2	91.1	42.8	24.2	20.5	16.7	15.5	8.1	3.7	1.9	1.2
80°	99.2	60.8	34.1	18.0	16.1	12.4	9.3	4.3	1.9	0.0	0.0
82.5°	61.4	36.0	20.5	13.0	9.3	6.8	5.0	1.9	0.6	0.0	0.0
85°	19.8	12.4	7.4	2.5	1.9	1.2	0.6	0.6	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	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)