

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: P1462205

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

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462205
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
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3968.2 lumens
Efficiency: N/A
Efficacy: 120.6 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

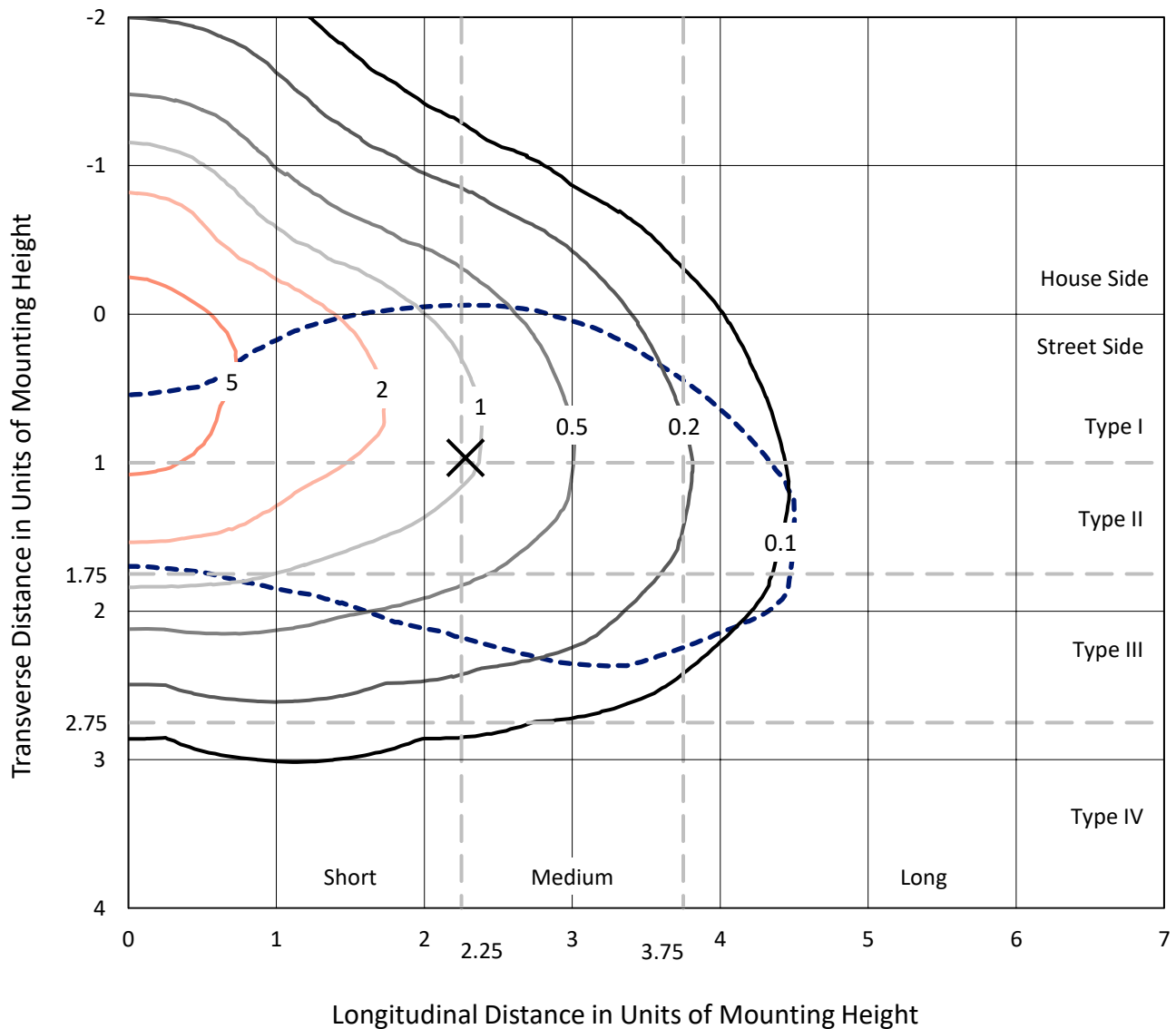
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1462205

CATALOG NUMBER: PRV-P-30-8540-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

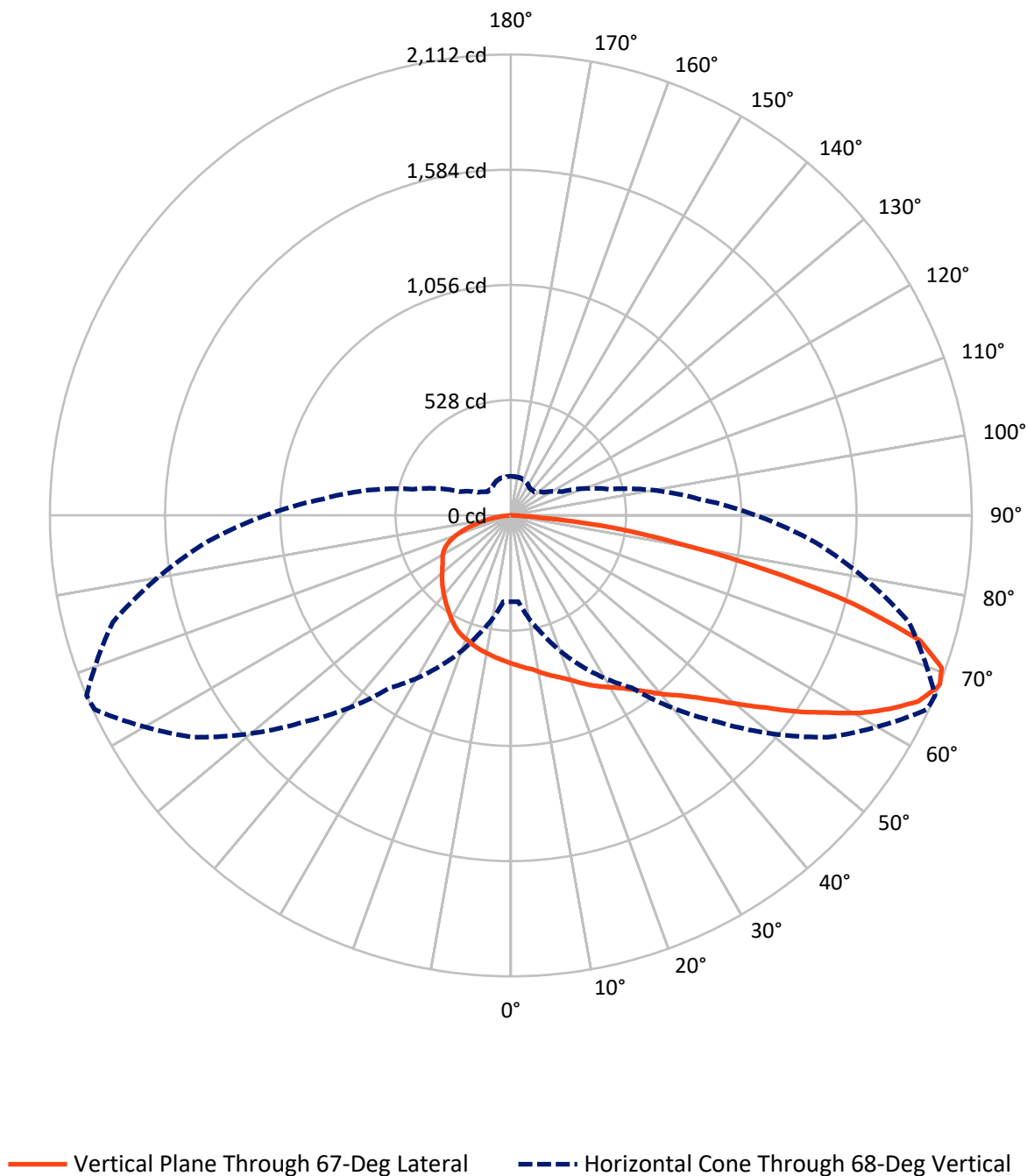


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P1462205

CATALOG NUMBER: PRV-P-30-8540-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P1462205

CATALOG NUMBER: PRV-P-30-8540-U-T3R

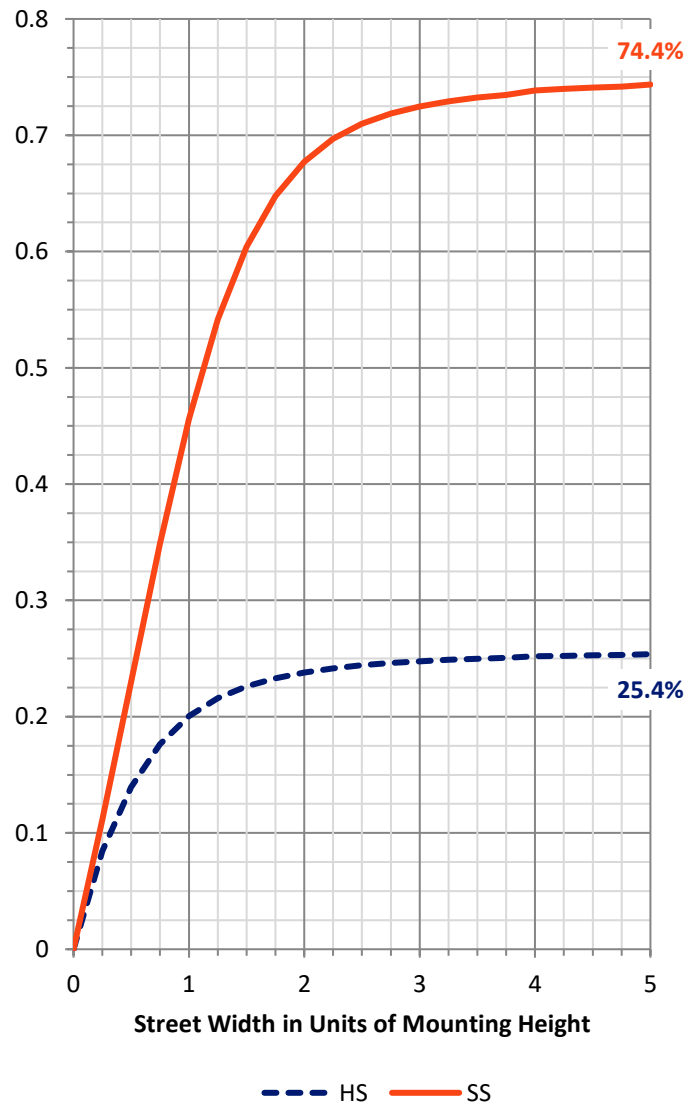
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.5	0.0	1012.5
	% Fixture	25.5	0.0	25.5
Street Side	Lumens	2955.8	0.0	2955.8
	% Fixture	74.5	0.0	74.5
Total	Lumens	3968.2	0.0	3968.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.6
10°-20°	194.6	4.9
20°-30°	330.5	8.3
30°-40°	500.9	12.6
40°-50°	676.9	17.1
50°-60°	801.0	20.2
60°-70°	807.3	20.3
70°-80°	510.1	12.9
80°-90°	81.8	2.1
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°	3968.2	100.0
0°-180°	3968.2	100.0

Coefficient of Utilization



REPORT NUMBER: P1462205

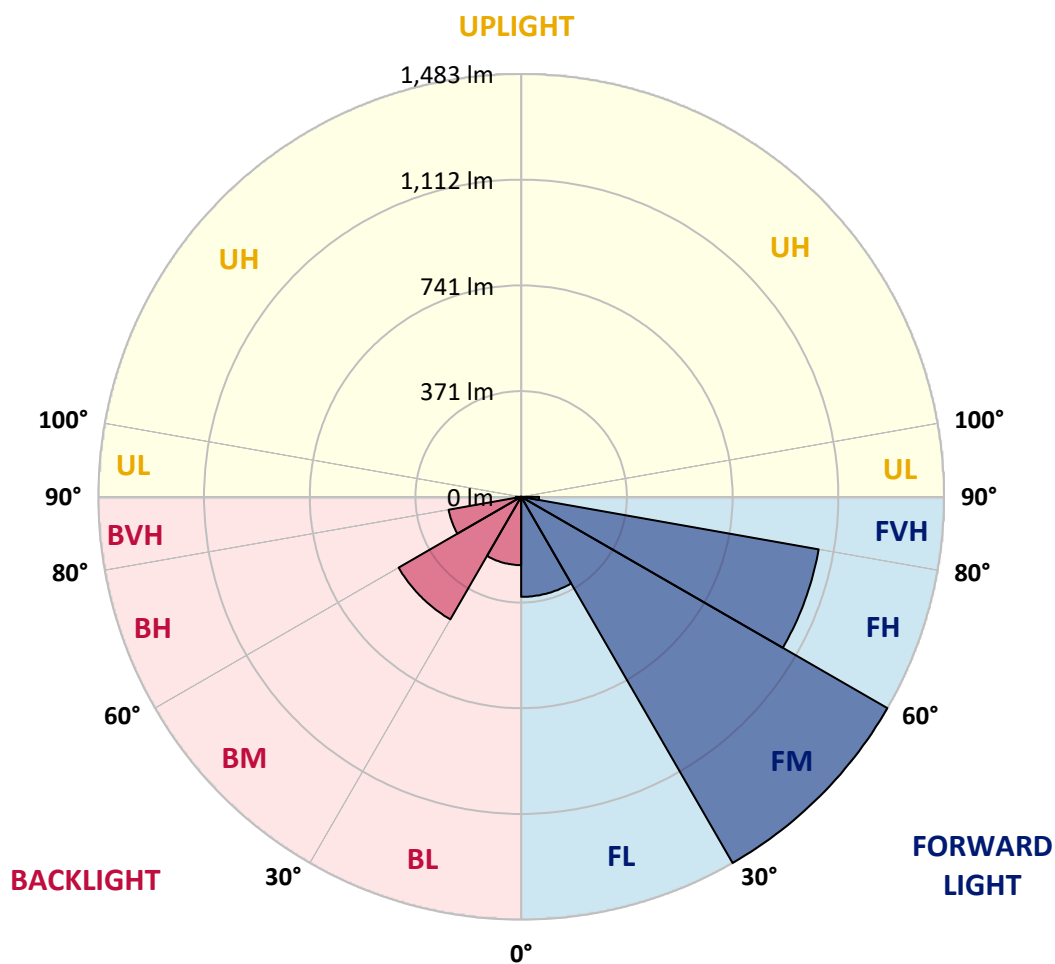
CATALOG NUMBER: PRV-P-30-8540-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.8	8.8			
FM	(30°-60°)	1482.7	37.4			
FH	(60°-80°)	1059.3	26.7			G1/1800
FVH	(80°-90°)	63.0	1.6			G1/100
BL	(0°-30°)	239.4	6.0	B1/500		
BM	(30°-60°)	496.1	12.5	B1/1000		
BH	(60°-80°)	258.1	6.5	B1/500		G1/500
BVH	(80°-90°)	18.8	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 III Medium



REPORT NUMBER: P1462205

CATALOG NUMBER: PRV-P-30-8540-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5
2.5°	698.1	701.2	703.6	704.9	700.5	699.9	696.8	691.2	689.4	687.5	683.2
5°	719.8	724.1	726.6	724.7	722.9	718.5	711.7	703.0	701.8	696.8	686.9
7.5°	743.9	745.2	749.5	748.3	745.2	736.5	728.4	714.2	712.3	704.9	693.1
10°	764.4	768.1	770.6	769.4	766.9	759.4	748.3	735.3	729.7	717.3	702.4
12.5°	782.4	783.6	788.0	789.2	786.7	780.5	770.0	752.6	748.9	733.4	708.6
15°	797.2	796.6	804.1	805.3	806.5	800.3	791.7	771.8	765.6	748.3	719.1
17.5°	809.6	809.6	815.2	819.6	822.7	820.8	814.0	790.4	784.2	763.2	727.8
20°	822.7	823.3	829.5	833.8	840.0	842.5	835.7	815.2	807.2	781.1	739.6
22.5°	851.8	853.0	854.9	856.8	861.7	865.4	863.6	839.4	835.7	804.7	752.6
25°	919.4	915.0	912.6	895.2	889.6	890.9	891.5	871.0	862.3	829.5	767.5
27.5°	1008.7	1003.7	996.3	962.8	937.4	923.1	919.4	897.7	888.4	851.2	785.5
30°	1111.6	1113.4	1101.6	1060.1	998.1	959.7	946.0	924.3	914.4	872.3	797.9
32.5°	1216.3	1222.5	1210.8	1160.5	1079.9	1005.6	980.8	954.1	944.2	897.1	813.4
35°	1312.4	1307.5	1303.1	1251.7	1153.1	1061.3	1021.0	993.2	981.4	933.0	842.5
37.5°	1371.9	1388.1	1383.7	1324.8	1212.6	1113.4	1071.3	1035.9	1025.4	972.1	872.3
40°	1484.1	1479.2	1477.3	1396.1	1258.5	1154.3	1117.8	1089.2	1077.5	1019.2	905.1
42.5°	1574.0	1587.7	1556.7	1455.0	1313.0	1199.6	1166.1	1140.7	1127.1	1061.3	928.7
45°	1595.7	1588.9	1579.0	1484.1	1389.3	1243.0	1218.2	1203.3	1189.1	1115.3	967.7
47.5°	1601.3	1588.9	1565.4	1505.8	1446.3	1292.0	1274.6	1279.6	1265.9	1185.3	1021.7
50°	1566.6	1554.8	1551.7	1515.8	1479.2	1341.6	1339.1	1365.7	1360.8	1264.1	1075.0
52.5°	1484.1	1485.4	1502.1	1503.4	1463.1	1380.6	1414.1	1469.3	1463.1	1347.1	1131.4
55°	1335.4	1344.7	1409.1	1452.5	1442.6	1407.9	1500.9	1590.2	1585.8	1445.1	1190.9
57.5°	1197.1	1202.7	1254.8	1375.7	1404.8	1434.6	1584.6	1718.5	1703.6	1550.5	1252.9
60°	1016.7	1029.7	1107.8	1264.1	1351.5	1456.9	1671.4	1846.2	1838.1	1655.9	1313.0
62.5°	835.7	824.5	938.0	1110.9	1272.7	1462.5	1743.9	1952.2	1951.0	1756.3	1363.3
65°	623.7	626.8	781.8	964.0	1157.4	1435.2	1789.2	2048.3	2052.6	1845.0	1401.1
67.5°	427.8	425.9	601.3	794.1	1006.8	1362.6	1784.2	2099.8	2106.0	1889.6	1404.2
68°	394.9	396.8	562.3	759.4	963.4	1337.2	1772.4	2104.1	2112.2	1888.4	1398.0
70°	302.5	300.1	440.2	607.5	805.3	1221.3	1706.7	2076.2	2094.8	1873.5	1350.9
72.5°	218.2	225.0	326.7	450.1	585.2	978.3	1555.4	1932.4	1960.3	1747.6	1218.2
75°	168.0	171.1	226.3	316.2	399.9	703.0	1278.9	1592.6	1628.6	1469.9	985.1
77.5°	127.1	128.3	146.3	214.5	266.0	434.0	870.4	1158.1	1189.7	1103.5	752.6
80°	75.0	74.4	81.2	126.5	165.5	248.6	492.9	747.0	772.5	770.6	543.1
82.5°	45.3	46.5	46.5	65.1	84.9	132.0	252.9	444.5	491.0	504.0	370.7
85°	16.1	16.7	18.0	23.6	30.4	47.7	78.7	124.6	139.5	153.7	96.1
87.5°	0.6	0.6	0.6	1.2	1.9	4.3	8.1	5.6	5.6	6.2	3.7
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: P1462205

CATALOG NUMBER: PRV-P-30-8540-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5
2.5°	681.3	678.2	672.0	668.3	666.4	662.7	657.8	655.9	652.8	650.3	649.7
5°	682.6	676.4	667.7	657.8	652.2	643.5	639.2	635.4	628.0	625.5	623.0
7.5°	686.9	678.8	664.0	647.8	636.7	626.8	618.1	608.2	602.6	600.7	598.9
10°	691.2	681.3	657.1	638.5	622.4	608.8	598.9	587.1	584.0	578.4	577.2
12.5°	696.8	683.2	654.0	629.2	608.2	591.4	578.4	567.9	560.4	558.0	560.4
15°	702.4	683.8	649.1	618.7	593.9	574.7	560.4	550.5	543.7	538.7	537.5
17.5°	706.7	686.9	643.5	608.2	578.4	557.3	540.0	531.9	525.7	522.6	523.9
20°	712.9	689.4	637.3	595.1	562.9	540.0	524.5	515.2	509.6	509.6	506.5
22.5°	724.1	693.1	633.6	584.6	549.3	524.5	509.0	500.9	494.7	498.4	499.1
25°	734.0	696.8	626.8	571.0	532.5	507.1	494.1	487.3	486.7	489.1	491.6
27.5°	742.7	698.7	618.7	553.6	510.2	487.9	478.6	476.7	478.6	480.5	484.8
30°	750.1	701.8	607.5	535.0	487.3	466.2	462.5	467.4	470.5	473.6	476.7
32.5°	762.5	705.5	596.4	513.9	464.3	445.1	450.1	460.0	465.0	467.4	472.4
35°	782.4	717.9	589.6	493.5	438.9	425.3	438.9	453.2	455.7	456.9	460.6
37.5°	805.9	734.0	585.8	474.3	414.1	408.5	427.1	443.9	443.3	442.0	447.0
40°	829.5	746.4	580.3	454.4	392.4	389.3	411.6	427.1	424.7	419.7	422.2
42.5°	843.7	748.9	567.9	436.4	372.6	371.3	390.6	403.6	399.2	399.9	403.6
45°	870.4	758.8	554.9	420.3	354.6	349.6	363.3	375.7	383.7	391.8	396.8
47.5°	904.5	773.7	543.7	401.7	339.1	325.5	333.5	355.2	367.0	374.4	375.1
50°	942.3	792.3	533.2	383.7	323.0	299.4	304.4	328.0	336.6	341.6	343.4
52.5°	981.4	809.6	524.5	366.4	306.3	271.5	280.2	303.8	311.2	313.1	313.1
55°	1016.1	825.1	515.2	351.5	285.8	246.7	256.0	280.2	287.0	290.1	293.2
57.5°	1057.6	841.9	511.5	337.9	264.1	228.1	231.9	257.9	265.3	267.2	269.1
60°	1091.1	859.9	508.4	325.5	242.4	207.1	212.6	234.3	244.9	245.5	246.7
62.5°	1119.6	872.9	505.9	308.7	223.8	189.1	190.9	213.9	223.8	226.3	228.8
65°	1133.9	876.0	496.0	288.9	204.6	172.3	172.3	193.4	205.8	210.2	212.6
67.5°	1126.4	867.9	472.4	262.9	186.6	156.8	154.4	173.6	182.9	186.6	187.2
68°	1123.3	864.2	464.3	257.3	184.1	153.1	151.3	168.0	177.3	178.5	179.2
70°	1080.6	833.8	428.4	236.8	169.9	141.3	137.6	151.9	161.2	152.5	152.5
72.5°	963.4	733.4	362.0	205.8	150.6	125.2	117.8	130.8	130.8	129.6	127.7
75°	791.7	578.4	286.4	169.2	130.2	107.3	101.7	104.8	103.5	107.9	105.4
77.5°	598.2	424.7	218.2	131.4	103.5	86.8	80.0	76.9	76.3	74.4	70.7
80°	414.7	292.0	154.4	99.8	75.0	60.8	59.5	53.9	52.1	35.3	24.2
82.5°	278.4	194.0	105.4	66.3	47.7	37.8	32.2	32.9	28.5	10.5	0.6
85°	75.0	58.3	42.8	25.4	19.2	14.3	11.2	12.4	11.2	4.3	0.6
87.5°	3.1	2.5	3.1	3.1	1.9	1.2	0.6	0.6	0.6	0.6	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)