

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: P1462413

Luminaire Tested: PRV-P-30-8540-U-5MQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462413
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-5MQ
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE V SQUARE MEDIUM DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3947.1 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

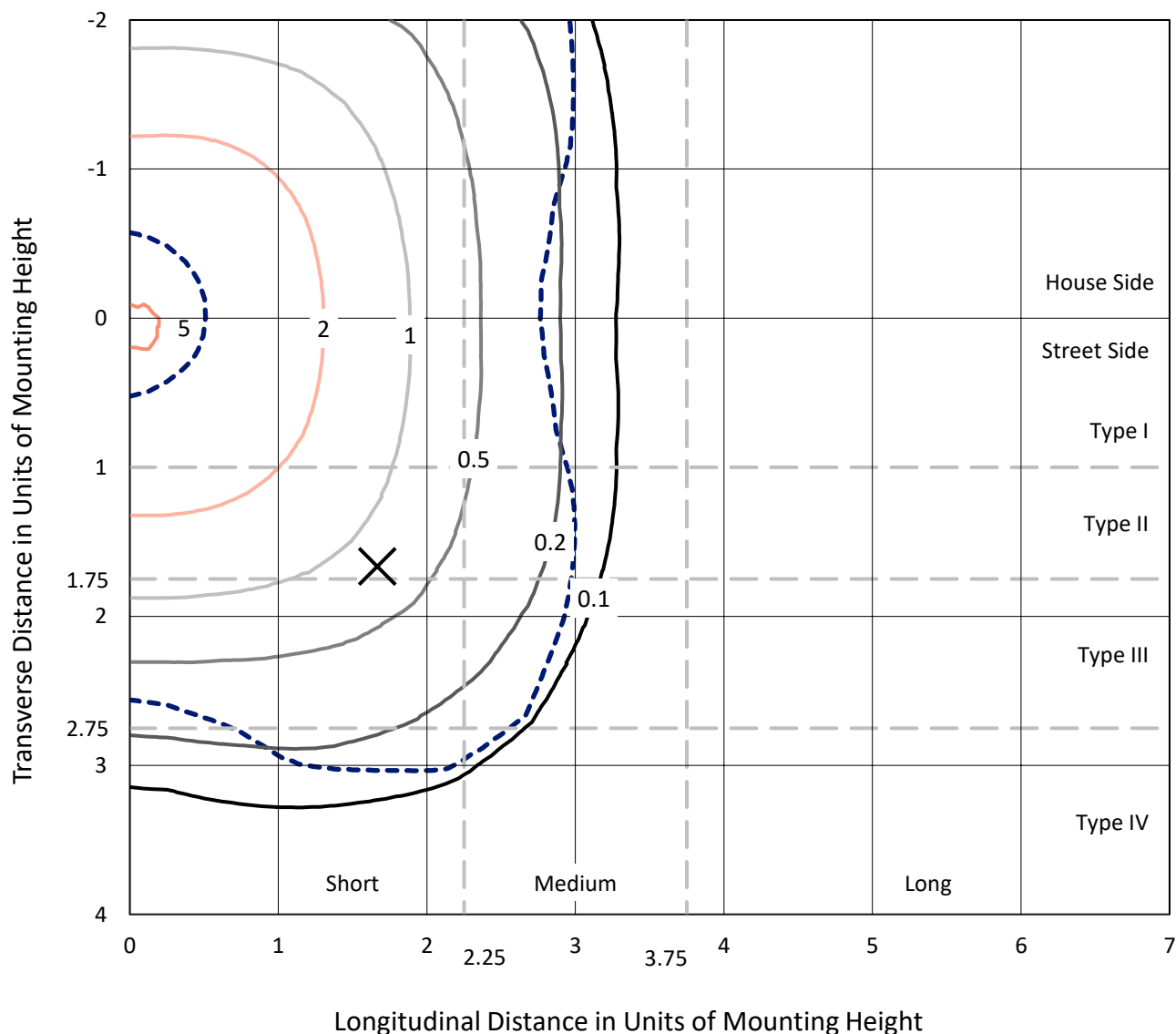
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

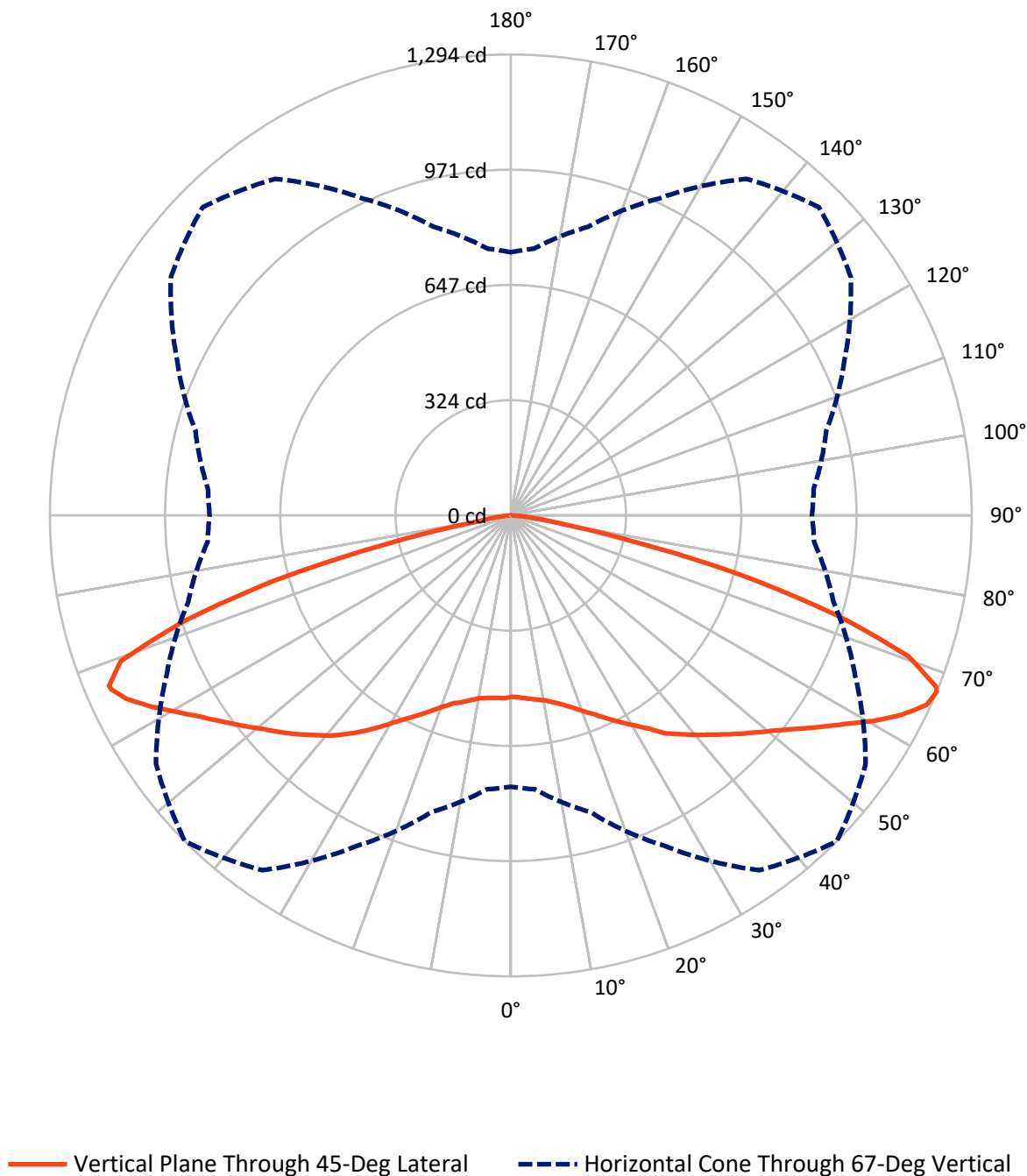


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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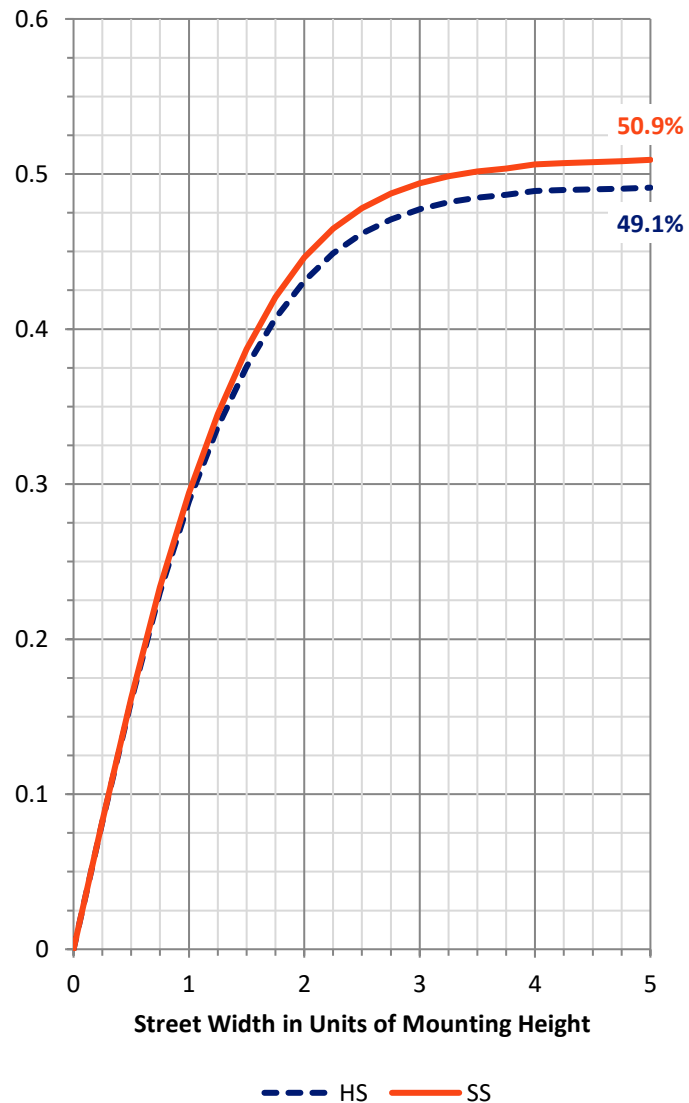
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1936.5	0.0	1936.5
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	2010.6	0.0	2010.6
	% Fixture	50.9	0.0	50.9
Total	Lumens	3947.1	0.0	3947.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	1.2
10°-20°	156.1	4.0
20°-30°	289.3	7.3
30°-40°	457.3	11.6
40°-50°	640.5	16.2
50°-60°	867.8	22.0
60°-70°	1008.0	25.5
70°-80°	452.5	11.5
80°-90°	26.3	0.7
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°	3947.1	100.0
0°-180°	3947.1	100.0

Coefficient of Utilization



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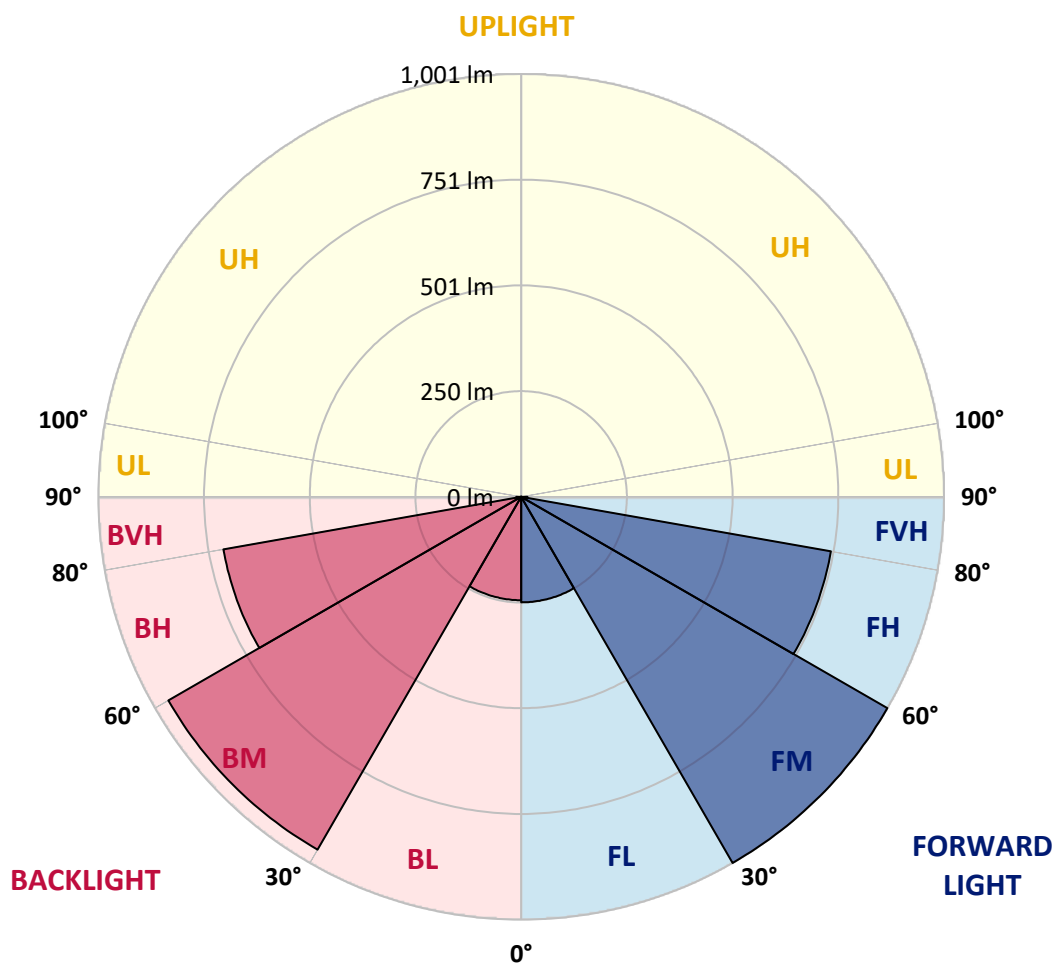
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	249.9	6.3			
FM	(30°-60°)	1001.1	25.4			
FH	(60°-80°)	744.6	18.9			G1/1800
FVH	(80°-90°)	15.0	0.4			G1/100
BL	(0°-30°)	244.8	6.2	B1/500		
BM	(30°-60°)	964.6	24.4	B1/1000		
BH	(60°-80°)	715.9	18.1	B2/1000		G1/1800
BVH	(80°-90°)	11.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	509.6	509.6	511.4	512.0	510.8	512.0	512.0	510.2	510.8	510.8	510.8
5°	512.7	513.3	514.5	516.4	515.8	517.0	515.1	513.3	513.9	513.3	512.7
7.5°	516.4	516.4	519.5	522.0	522.0	522.0	518.9	518.2	518.9	517.6	517.0
10°	525.1	525.7	528.8	528.8	528.8	528.2	526.9	525.1	525.7	525.7	524.4
12.5°	536.2	536.2	539.9	539.9	540.6	538.7	538.1	536.8	536.8	536.2	536.2
15°	549.2	550.5	554.2	553.6	553.6	551.7	551.7	550.5	550.5	548.6	548.6
17.5°	564.7	565.3	568.4	568.4	569.1	567.8	567.2	564.7	566.0	564.1	564.1
20°	582.7	584.6	587.0	587.0	587.7	587.7	585.2	582.1	583.3	583.3	581.5
22.5°	601.9	603.8	608.1	608.7	608.7	607.5	605.0	600.7	601.9	603.2	601.9
25°	623.0	623.6	629.2	631.7	634.2	632.3	628.0	624.2	624.9	625.5	625.5
27.5°	643.5	645.3	651.5	656.5	657.1	657.7	654.0	650.3	651.5	652.1	650.9
30°	666.4	669.5	676.3	681.9	683.7	684.4	681.3	678.2	676.9	676.3	676.3
32.5°	693.0	693.7	701.1	708.5	715.4	714.7	711.0	706.7	703.6	702.3	702.3
35°	714.1	716.6	726.5	737.1	747.6	751.9	745.7	734.0	728.4	725.3	724.7
37.5°	731.5	734.6	747.0	761.2	774.3	779.8	773.6	759.4	750.1	745.7	744.5
40°	751.3	753.8	766.8	785.4	802.8	810.2	800.3	782.3	770.5	765.0	763.7
42.5°	768.1	770.5	786.7	810.2	831.9	841.2	829.4	808.3	791.6	782.3	782.3
45°	788.5	789.8	809.0	838.1	866.6	875.9	861.7	835.0	816.4	804.6	803.4
47.5°	820.7	822.0	843.7	869.7	902.0	911.9	898.9	865.4	842.4	830.0	829.4
50°	862.3	865.4	888.9	916.2	943.5	950.9	941.0	906.3	875.9	859.2	857.3
52.5°	903.8	908.8	935.4	967.0	990.6	996.2	986.9	947.8	911.9	889.6	887.7
55°	947.2	952.2	980.7	1022.2	1045.2	1049.5	1032.8	990.6	949.7	922.4	918.7
57.5°	972.6	977.6	1017.9	1072.4	1102.2	1104.7	1085.4	1032.8	988.1	952.8	947.8
60°	972.0	978.2	1032.8	1109.0	1162.9	1171.0	1138.1	1078.0	1019.7	977.0	968.3
62.5°	957.7	966.4	1022.2	1126.4	1220.6	1232.4	1192.7	1112.1	1034.6	983.2	975.1
65°	882.7	892.0	965.8	1100.3	1242.9	1283.2	1230.5	1110.2	1004.2	934.2	928.6
67°	761.9	771.8	862.3	1024.1	1216.2	1294.3	1216.2	1066.8	937.9	854.8	845.5
67.5°	731.5	743.3	836.9	1003.0	1202.0	1288.8	1205.7	1043.9	916.8	833.8	826.3
70°	548.0	572.8	688.1	870.3	1077.4	1183.4	1092.9	922.4	766.2	674.5	654.6
72.5°	349.0	371.9	553.0	742.0	892.7	955.3	902.6	729.0	551.7	453.1	443.2
75°	99.8	118.4	283.3	451.9	634.8	663.3	545.5	417.8	288.9	231.2	226.9
77.5°	51.5	52.1	86.8	186.6	306.9	345.3	218.8	155.0	122.1	107.9	110.3
80°	24.8	25.4	37.2	93.6	131.4	148.2	106.0	83.1	84.9	77.5	73.1
82.5°	13.0	13.6	19.2	40.9	60.1	76.2	76.2	58.3	57.0	53.9	48.4
85°	3.7	3.1	5.6	8.7	16.7	28.5	20.5	21.1	19.8	16.7	16.1
87.5°	0.6	0.6	0.6	0.6	1.2	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	510.8	510.8	510.8	511.4	513.3	509.6	512.0	510.2	508.3	508.9
5°	513.9	512.0	511.4	513.3	513.9	512.0	513.9	511.4	511.4	508.9
7.5°	516.4	516.4	513.9	516.4	516.4	515.1	514.5	513.9	513.9	508.3
10°	524.4	522.6	519.5	519.5	520.1	520.1	519.5	518.2	516.4	513.9
12.5°	535.6	533.1	529.4	529.4	529.4	531.3	529.4	527.5	524.4	523.8
15°	549.9	545.5	541.8	541.2	541.2	540.6	540.6	538.1	535.0	533.7
17.5°	564.1	558.5	553.6	554.8	551.7	551.7	549.2	551.1	547.4	548.0
20°	580.2	575.9	571.5	572.2	569.7	570.9	567.2	566.6	562.9	562.9
22.5°	600.1	596.3	591.4	592.6	590.8	590.8	586.4	583.3	579.6	577.1
25°	624.2	618.7	614.9	614.9	614.9	611.8	608.7	605.6	601.3	599.4
27.5°	650.9	645.9	642.8	642.2	639.7	635.4	631.7	631.7	624.9	621.8
30°	676.3	673.8	672.0	669.5	667.6	667.0	660.2	654.0	649.7	646.6
32.5°	699.9	699.2	699.9	700.5	701.7	696.1	688.7	681.9	672.0	673.8
35°	725.3	724.0	726.5	733.3	735.8	730.2	719.1	704.8	696.1	693.7
37.5°	745.1	746.4	754.4	764.3	768.7	760.0	741.4	722.8	710.4	708.5
40°	764.3	768.7	778.6	793.5	801.5	788.5	763.1	740.2	722.2	720.3
42.5°	784.8	788.5	801.5	822.0	829.4	815.2	784.8	754.4	732.1	727.1
45°	804.0	809.0	826.9	853.0	861.0	843.7	804.6	765.6	739.5	735.2
47.5°	828.2	836.2	856.7	885.2	891.4	872.8	828.8	784.2	753.8	749.5
50°	857.3	864.8	890.2	919.3	921.8	902.6	861.7	815.2	780.5	773.6
52.5°	887.1	899.5	928.6	954.6	958.4	937.9	897.6	850.5	810.2	806.5
55°	918.1	930.5	964.6	991.8	996.2	980.7	943.5	892.0	847.4	839.3
57.5°	947.8	960.2	996.2	1032.1	1038.3	1030.3	986.3	925.5	879.0	872.8
60°	966.4	984.4	1027.2	1071.8	1087.3	1076.8	1017.9	944.7	893.3	884.6
62.5°	976.3	1001.1	1055.7	1115.2	1143.1	1122.6	1031.5	943.5	882.7	874.7
65°	932.3	985.0	1070.6	1158.6	1195.8	1155.5	1026.6	915.0	851.1	837.5
67°	853.6	916.8	1034.0	1165.4	1223.7	1153.6	981.3	838.7	751.9	738.9
67.5°	833.1	897.6	1019.7	1158.6	1225.5	1149.9	961.5	813.9	720.9	711.0
70°	661.4	746.4	898.9	1065.0	1169.1	1066.2	840.0	665.2	549.9	520.7
72.5°	466.2	549.9	716.0	885.8	968.9	901.3	715.4	534.4	355.2	328.5
75°	235.6	292.6	424.6	583.9	696.1	662.7	449.4	241.8	75.6	59.5
77.5°	104.1	112.2	164.3	249.8	362.0	282.1	146.9	53.9	24.2	21.7
80°	72.5	80.6	80.0	91.1	98.6	86.2	58.3	22.9	8.1	3.1
82.5°	50.8	57.0	53.3	50.8	49.0	39.7	26.0	9.3	1.9	0.0
85°	16.7	21.1	18.0	19.8	20.5	10.5	2.5	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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

(END OF REPORT)