

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: P1462309

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

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462309
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-5WQ
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4095.1 lumens
Efficiency: N/A
Efficacy: 124.5 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

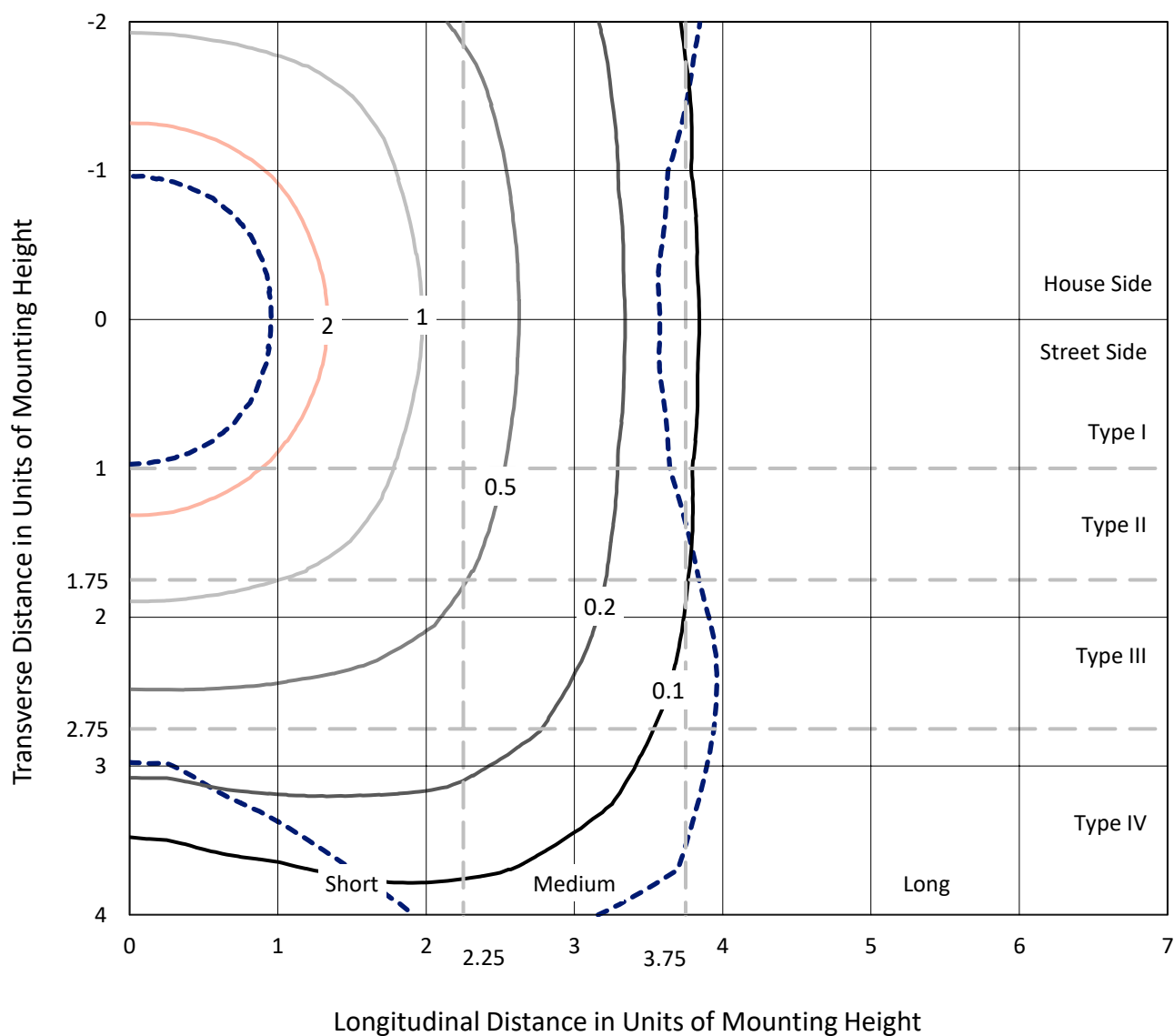
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

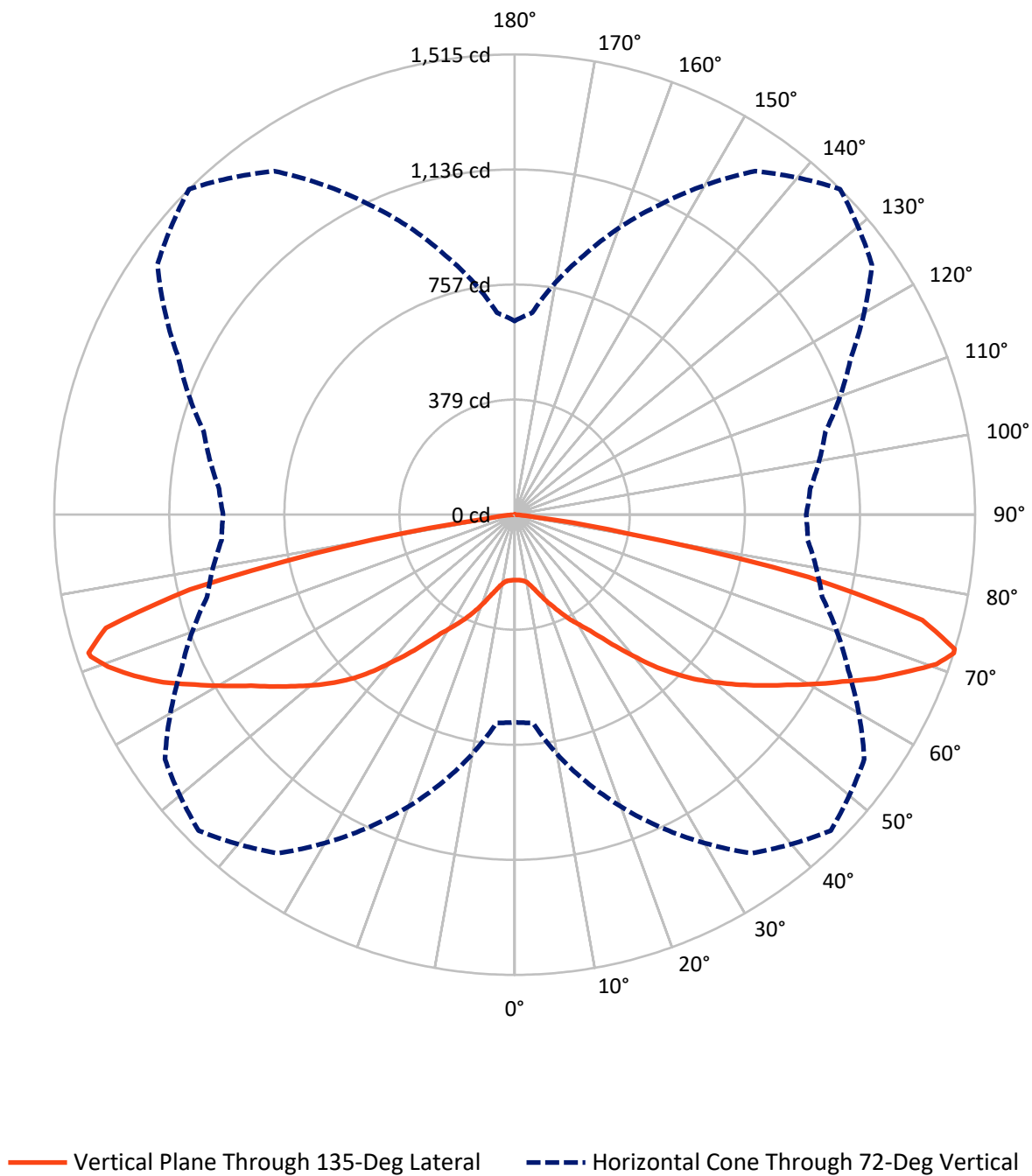


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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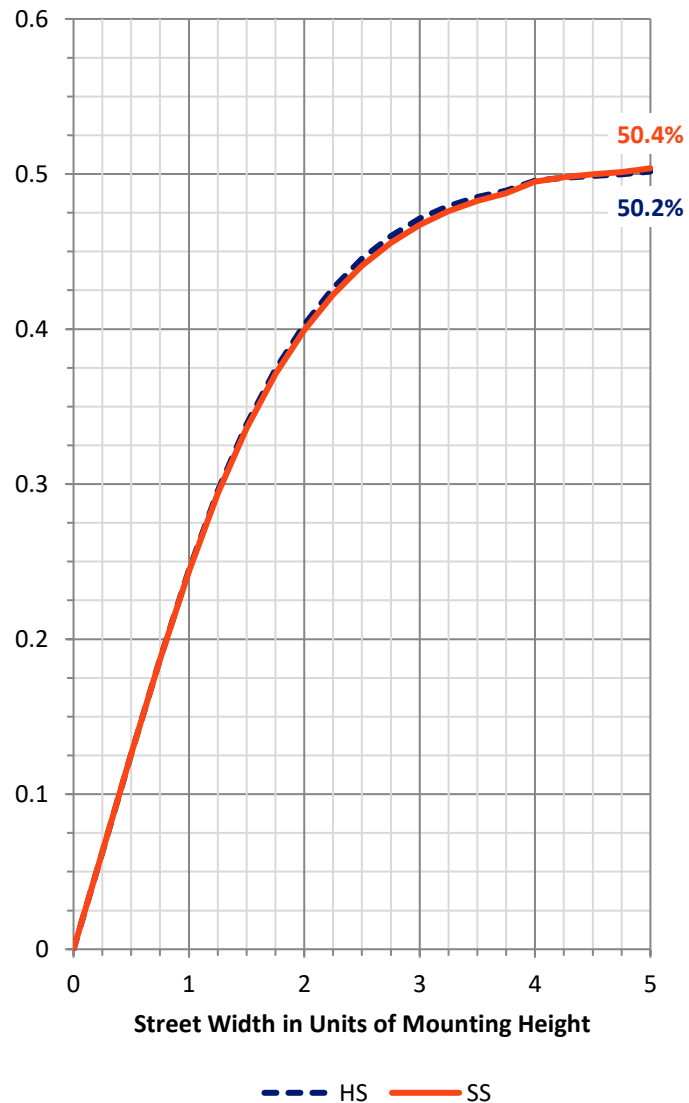
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2039.0	0.0	2039.0
	% Fixture	49.8	0.0	49.8
Street Side	Lumens	2056.1	0.0	2056.1
	% Fixture	50.2	0.0	50.2
Total	Lumens	4095.1	0.0	4095.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.5
10°-20°	75.1	1.8
20°-30°	165.7	4.0
30°-40°	324.4	7.9
40°-50°	588.8	14.4
50°-60°	865.2	21.1
60°-70°	1141.2	27.9
70°-80°	866.0	21.1
80°-90°	47.8	1.2
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°	4095.1	100.0
0°-180°	4095.1	100.0

Coefficient of Utilization



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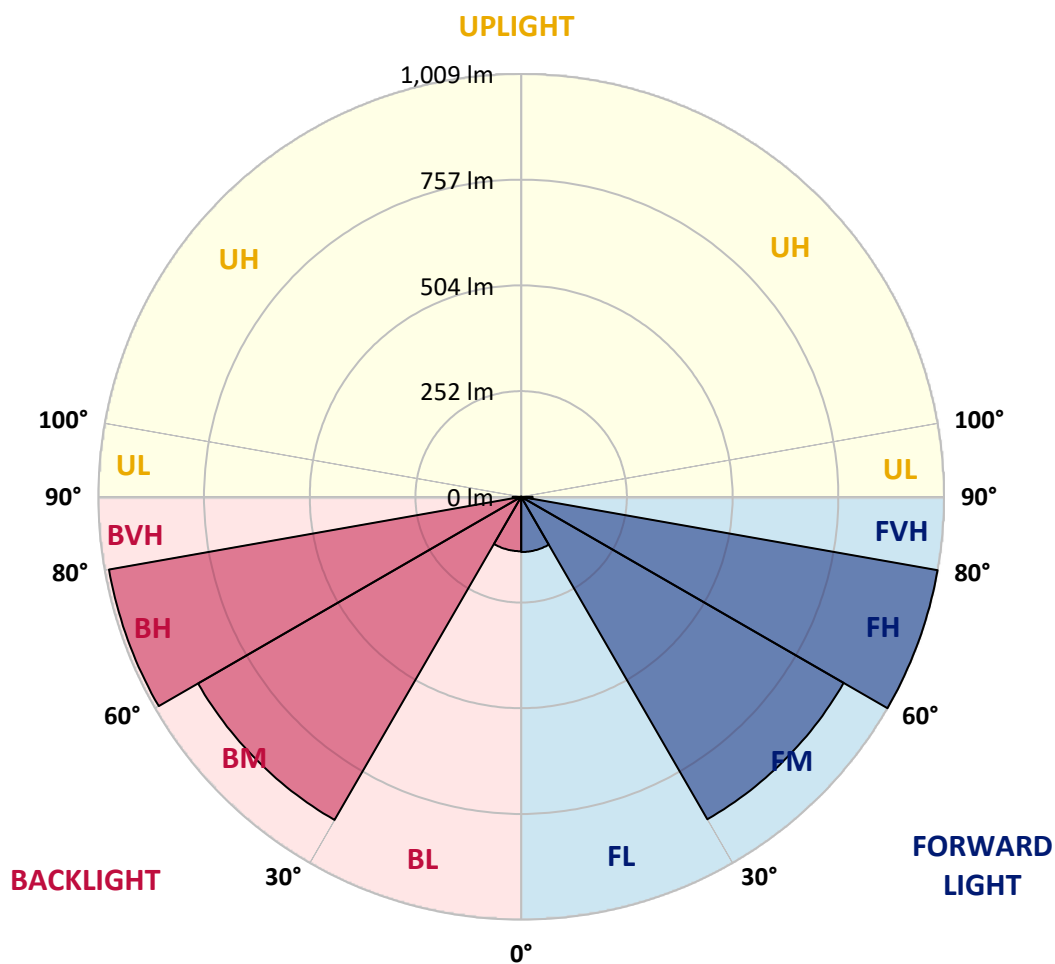
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.8	3.2			
FM	(30°-60°)	888.3	21.7			
FH	(60°-80°)	1008.7	24.6			G1/1800
FVH	(80°-90°)	27.4	0.7			G1/100
BL	(0°-30°)	129.9	3.2	B1/500		
BM	(30°-60°)	890.1	21.7	B1/1000		
BH	(60°-80°)	998.5	24.4	B2/1000		G1/1800
BVH	(80°-90°)	20.4	0.5			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°	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1
2.5°	215.7	216.4	216.4	216.4	216.4	215.7	215.7	215.7	215.1	215.1	215.7
5°	217.6	217.6	218.2	218.2	217.6	217.6	217.0	216.4	215.7	215.1	215.7
7.5°	221.9	220.7	221.3	221.3	220.7	220.1	219.5	218.2	218.2	218.2	218.2
10°	230.0	230.0	230.0	229.4	229.4	228.1	226.9	225.7	226.9	226.9	227.5
12.5°	244.9	244.9	244.9	244.3	242.4	241.8	240.5	238.7	239.3	239.9	239.3
15°	264.1	264.1	264.1	262.2	262.9	260.4	257.9	256.0	256.7	256.7	256.0
17.5°	287.6	287.0	286.4	284.5	284.5	282.1	279.0	275.9	274.6	274.0	274.0
20°	309.3	308.1	310.0	310.0	311.8	310.0	304.4	298.2	295.1	293.2	293.2
22.5°	327.9	330.4	331.0	334.8	339.1	339.1	330.4	323.0	316.2	312.4	311.8
25°	355.2	356.5	357.7	359.6	367.6	368.2	357.7	348.4	342.8	342.8	342.8
27.5°	382.5	382.5	385.6	389.3	396.8	398.0	388.1	377.5	375.7	374.4	373.8
30°	411.0	411.0	417.2	423.4	427.1	428.4	420.3	412.3	410.4	408.5	409.2
32.5°	447.0	450.1	458.1	464.3	464.9	463.1	463.1	456.3	450.7	454.4	453.2
35°	502.1	503.4	507.1	510.8	512.7	510.8	509.0	506.5	505.2	507.1	505.2
37.5°	565.4	566.6	569.1	565.4	566.0	566.6	569.7	572.2	572.8	572.8	572.2
40°	626.1	629.9	629.9	627.4	626.8	624.3	629.9	636.7	643.5	644.7	642.9
42.5°	697.4	695.6	698.7	693.7	688.7	691.2	694.9	703.0	709.8	714.8	715.4
45°	763.8	765.0	765.6	754.5	750.7	753.8	755.7	762.5	773.7	781.1	777.4
47.5°	818.9	819.6	820.2	814.0	811.5	810.3	812.1	814.6	823.9	828.8	830.7
50°	859.2	861.7	865.4	862.9	862.3	863.6	864.2	866.7	872.9	876.0	876.6
52.5°	898.9	901.4	908.8	905.7	912.5	916.3	916.3	913.2	916.3	918.1	917.5
55°	933.6	936.1	950.4	953.5	965.2	973.3	970.8	957.8	961.5	957.2	958.4
57.5°	966.5	970.2	986.9	998.1	1026.0	1034.0	1027.8	1008.0	1000.0	998.7	997.5
60°	979.5	983.8	1009.3	1050.2	1090.5	1109.7	1091.7	1053.9	1037.1	1032.8	1034.0
62.5°	982.0	987.6	1021.0	1083.0	1161.8	1190.9	1166.1	1107.8	1078.7	1071.9	1069.4
65°	981.4	985.7	1026.0	1113.4	1228.1	1280.8	1252.3	1171.1	1125.8	1116.5	1119.6
67.5°	982.6	988.8	1036.5	1135.7	1288.2	1358.3	1319.8	1228.7	1169.2	1150.0	1151.2
70°	886.5	918.7	1037.1	1163.6	1336.0	1428.3	1381.8	1255.4	1146.9	1089.8	1091.7
72°	683.2	687.5	910.1	1135.1	1360.1	1470.5	1404.1	1210.7	1047.1	967.7	959.0
72.5°	609.4	638.5	873.5	1122.1	1360.1	1473.6	1394.8	1186.6	1009.9	939.2	931.1
75°	374.4	405.4	604.4	919.4	1267.1	1395.5	1229.3	972.1	756.3	677.6	678.8
77.5°	153.7	167.4	332.3	704.9	986.3	1096.7	899.5	643.5	425.9	354.6	345.9
80°	35.3	37.8	55.8	234.3	500.3	565.4	378.2	214.5	143.2	97.9	92.4
82.5°	18.6	19.8	25.4	45.9	68.8	94.8	83.7	60.8	66.3	55.8	53.9
85°	6.2	6.2	8.1	12.4	16.7	21.1	24.2	29.8	28.5	21.7	20.5
87.5°	0.6	0.6	1.2	1.9	1.9	1.9	1.9	1.2	1.2	1.2	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°	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1
2.5°	215.7	215.1	215.1	215.7	215.7	215.7	215.7	215.7	215.7	215.7
5°	215.7	215.7	215.1	215.7	217.0	217.0	217.0	217.0	216.4	216.4
7.5°	218.2	217.6	217.6	218.8	220.1	220.1	220.1	220.1	220.1	219.5
10°	226.9	226.3	225.7	227.5	226.9	228.1	228.1	228.1	227.5	228.1
12.5°	239.3	238.7	238.7	239.3	240.5	239.9	241.2	241.8	242.4	242.4
15°	256.0	254.2	254.2	256.0	258.5	259.1	257.9	259.8	259.8	259.8
17.5°	274.6	274.6	274.0	275.9	280.8	280.2	278.3	279.6	280.2	281.4
20°	293.2	294.5	296.3	301.9	306.2	303.8	302.5	302.5	300.0	300.7
22.5°	313.7	316.2	319.9	326.7	331.0	330.4	326.1	321.7	319.3	318.6
25°	342.2	341.6	344.7	353.4	360.2	357.7	351.5	346.5	344.7	344.1
27.5°	373.8	373.8	375.1	383.1	391.8	386.2	380.0	375.7	371.3	371.3
30°	409.2	406.1	411.0	416.6	420.3	416.6	412.9	404.8	399.9	398.0
32.5°	451.9	451.9	449.5	452.6	455.0	456.3	451.9	444.5	440.2	438.3
35°	506.5	504.6	501.5	501.5	500.3	503.4	502.8	501.5	496.6	496.6
37.5°	573.4	570.3	564.1	561.0	557.3	557.3	563.5	567.2	565.4	564.1
40°	639.8	640.4	629.9	621.8	619.3	621.2	628.0	637.9	634.2	629.2
42.5°	715.4	707.3	693.7	685.6	687.5	688.1	695.6	706.1	705.5	698.7
45°	778.0	767.5	757.6	750.7	749.5	756.3	763.1	771.8	772.4	772.4
47.5°	825.8	822.7	810.9	810.9	812.1	814.6	821.4	823.9	820.8	817.7
50°	874.1	869.1	862.9	866.7	869.1	872.2	870.4	868.5	861.1	856.7
52.5°	916.3	913.8	912.5	924.9	929.9	923.1	916.9	909.4	900.8	898.3
55°	955.9	959.0	963.4	985.7	991.3	981.4	964.6	955.3	946.0	942.9
57.5°	995.6	1000.6	1014.2	1049.5	1057.0	1038.4	1013.6	995.0	981.4	980.7
60°	1029.1	1038.4	1063.8	1116.5	1132.0	1103.5	1061.3	1026.0	1007.4	1005.5
62.5°	1071.2	1081.8	1120.2	1187.8	1210.1	1177.9	1105.3	1049.5	1021.0	1018.5
65°	1117.1	1133.2	1183.5	1272.1	1300.6	1247.3	1141.3	1071.9	1037.1	1035.9
67.5°	1154.3	1180.4	1247.3	1350.2	1383.7	1323.6	1181.0	1099.8	1056.4	1050.2
70°	1095.4	1154.3	1277.1	1422.1	1473.0	1375.0	1191.5	1042.7	906.3	881.5
72°	975.8	1058.8	1220.0	1434.5	1514.5	1380.0	1123.9	884.0	667.0	637.3
72.5°	928.7	1022.9	1195.9	1421.5	1513.3	1369.4	1092.3	831.3	603.8	587.1
75°	677.0	750.1	978.9	1243.0	1385.5	1215.1	840.0	492.2	288.3	262.2
77.5°	342.8	417.8	609.4	848.7	988.2	793.5	474.2	193.4	60.8	49.0
80°	96.1	127.7	189.1	322.4	373.8	304.4	158.7	32.2	12.4	8.1
82.5°	57.0	68.2	58.3	52.1	72.5	52.7	27.9	13.0	2.5	0.6
85°	22.3	33.5	30.4	18.6	13.6	8.7	5.0	2.5	0.6	0.0
87.5°	1.2	1.2	1.9	1.9	1.2	1.2	1.2	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)