

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: P1462414

Luminaire Tested: PRV-P-50-8540-U-5MQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462414
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-5MQ
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 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: 5596.7 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

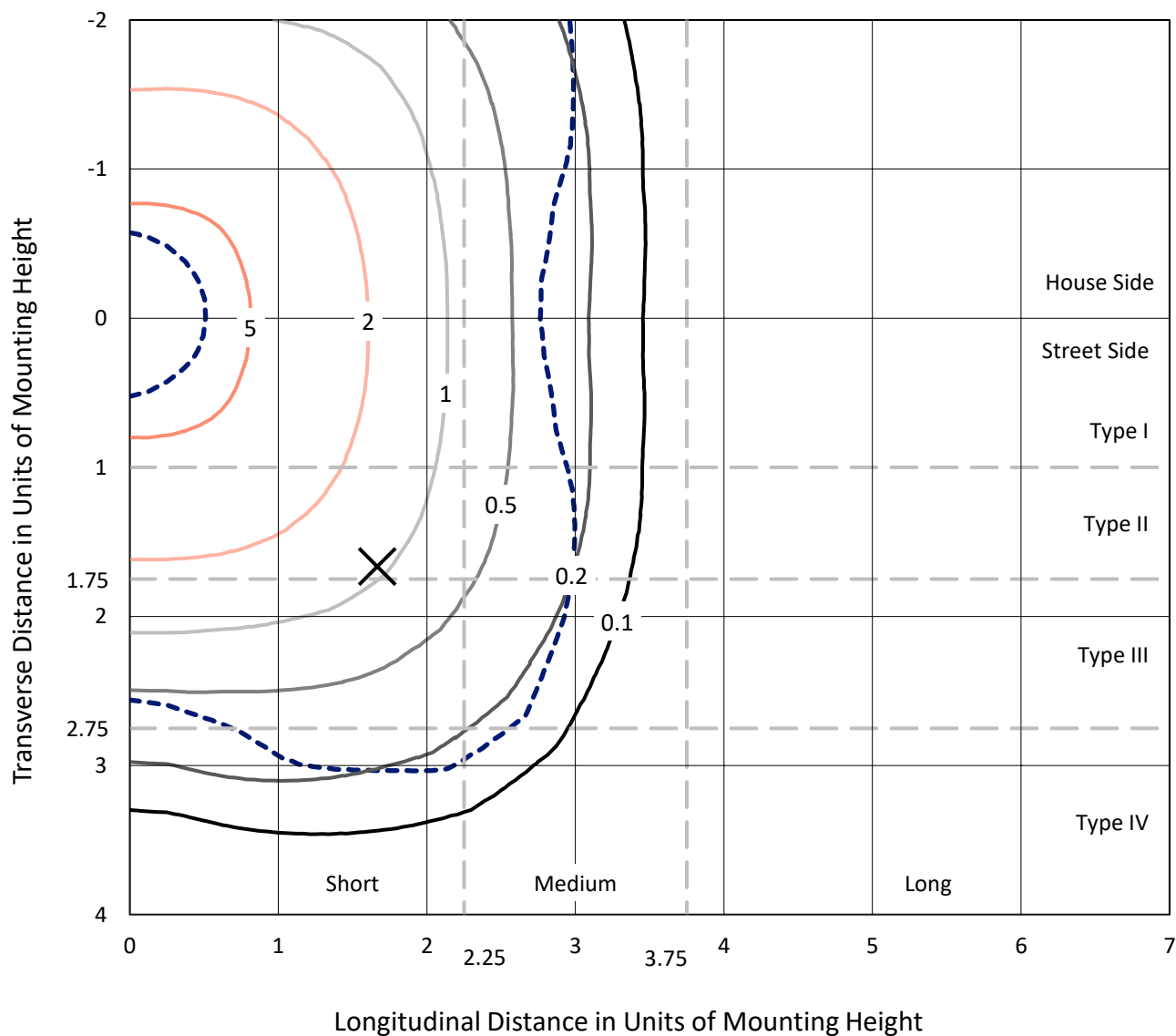
Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

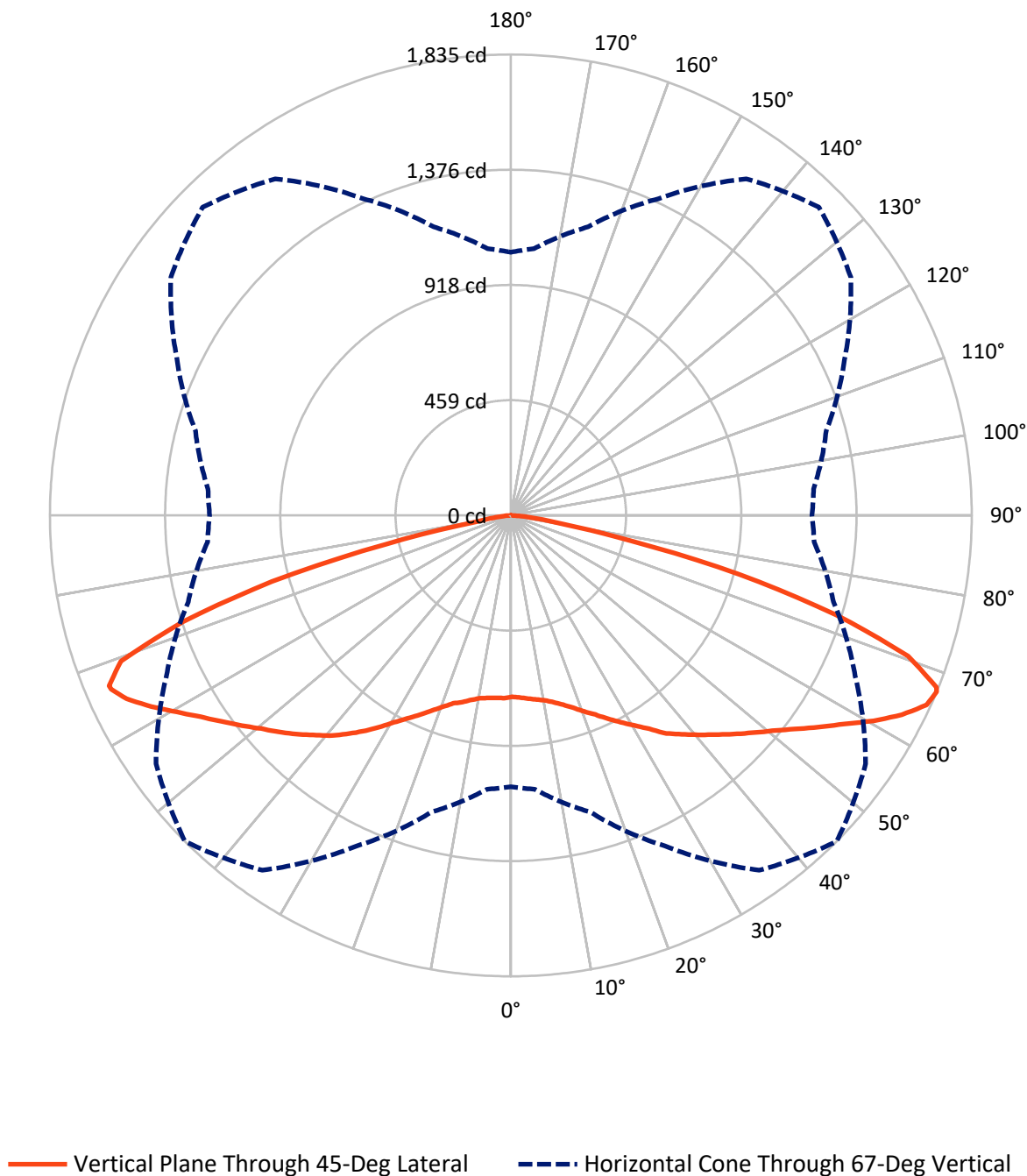


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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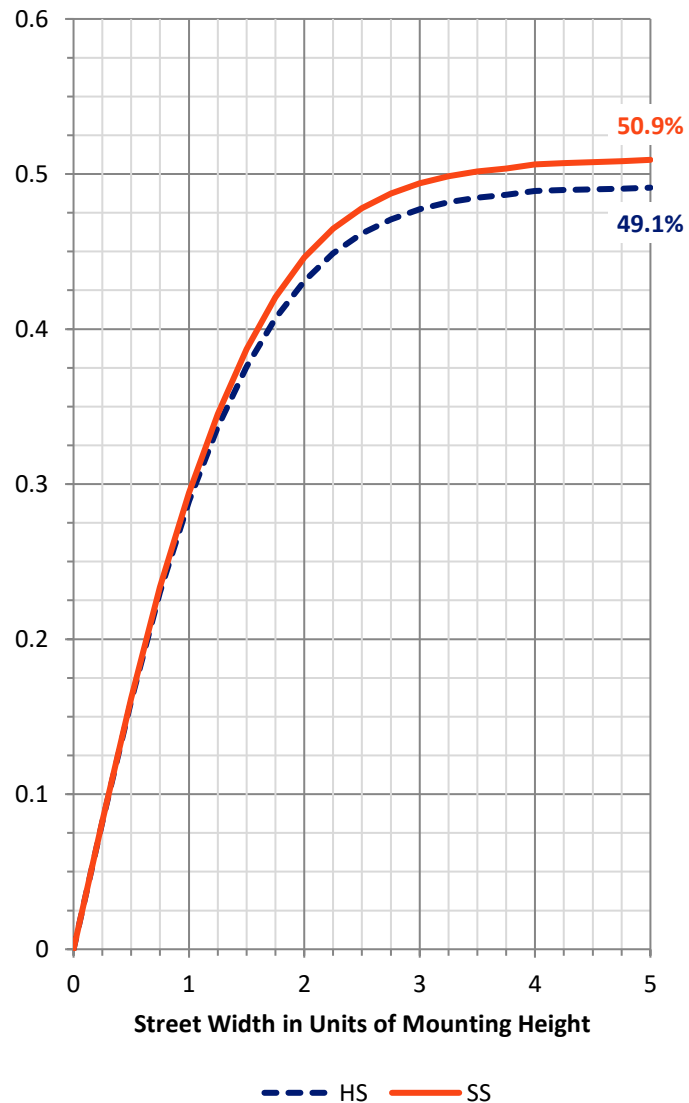
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2745.9	0.0	2745.9
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	2850.8	0.0	2850.8
	% Fixture	50.9	0.0	50.9
Total	Lumens	5596.7	0.0	5596.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	1.2
10°-20°	221.3	4.0
20°-30°	410.2	7.3
30°-40°	648.4	11.6
40°-50°	908.2	16.2
50°-60°	1230.4	22.0
60°-70°	1429.3	25.5
70°-80°	641.6	11.5
80°-90°	37.3	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°	5596.7	100.0
0°-180°	5596.7	100.0

Coefficient of Utilization



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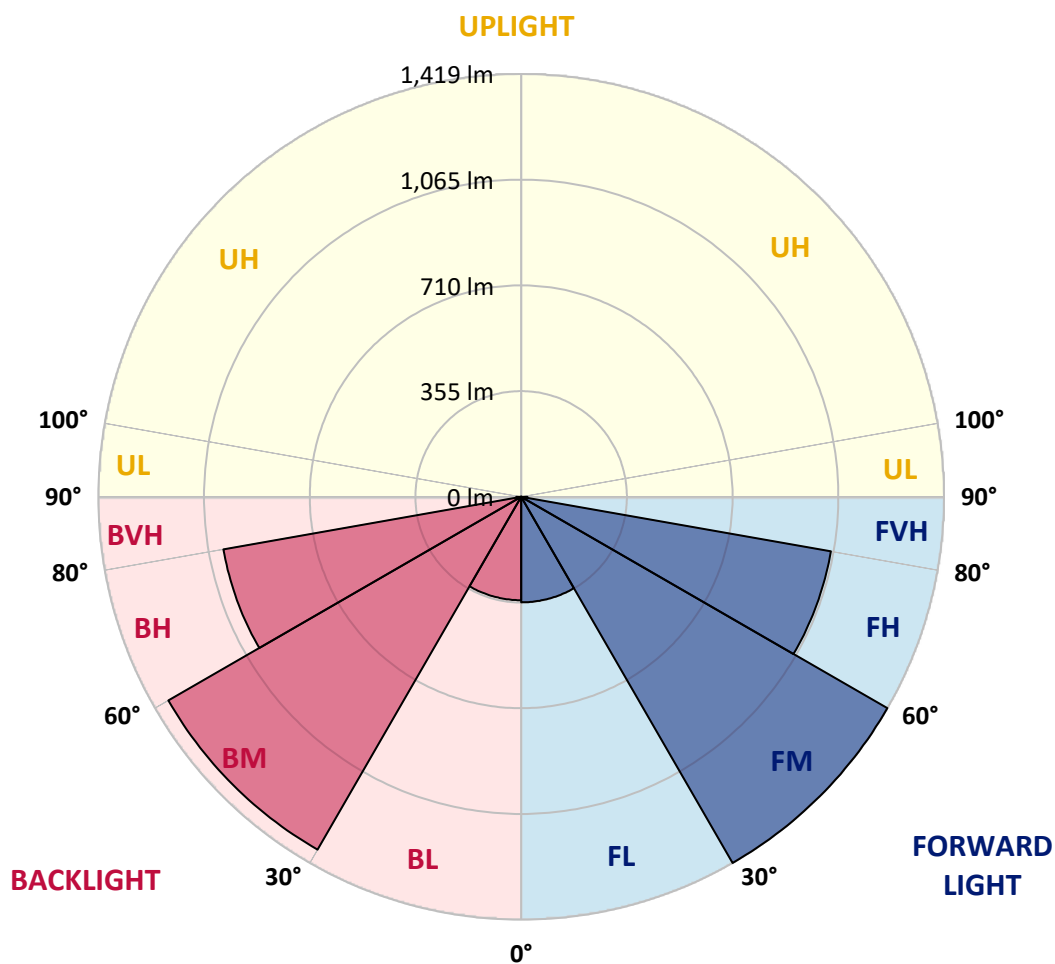
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.3	6.3			
FM	(30°-60°)	1419.4	25.4			
FH	(60°-80°)	1055.8	18.9			G1/1800
FVH	(80°-90°)	21.3	0.4			G1/100
BL	(0°-30°)	347.1	6.2	B1/500		
BM	(30°-60°)	1367.7	24.4	B2/2500		
BH	(60°-80°)	1015.1	18.1	B3/2500		G1/1800
BVH	(80°-90°)	16.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5
2.5°	722.5	722.5	725.1	726.0	724.3	726.0	726.0	723.4	724.3	724.3	724.3
5°	726.9	727.8	729.5	732.2	731.3	733.1	730.4	727.8	728.7	727.8	726.9
7.5°	732.2	732.2	736.6	740.1	740.1	740.1	735.7	734.8	735.7	733.9	733.1
10°	744.5	745.4	749.8	749.8	749.8	748.9	747.1	744.5	745.4	745.4	743.6
12.5°	760.3	760.3	765.6	765.6	766.5	763.8	762.9	761.2	761.2	760.3	760.3
15°	778.8	780.5	785.8	784.9	784.9	782.3	782.3	780.5	780.5	777.9	777.9
17.5°	800.7	801.6	806.0	806.0	806.9	805.1	804.3	800.7	802.5	799.9	799.9
20°	826.2	828.9	832.4	832.4	833.3	833.3	829.7	825.4	827.1	827.1	824.5
22.5°	853.5	856.1	862.3	863.1	863.1	861.4	857.9	851.7	853.5	855.2	853.5
25°	883.4	884.2	892.2	895.7	899.2	896.5	890.4	885.1	886.0	886.9	886.9
27.5°	912.4	915.0	923.8	930.8	931.7	932.6	927.3	922.0	923.8	924.7	922.9
30°	944.9	949.3	959.0	966.9	969.5	970.4	966.0	961.6	959.8	959.0	959.0
32.5°	982.7	983.6	994.1	1004.7	1014.3	1013.4	1008.2	1002.0	997.6	995.9	995.9
35°	1012.6	1016.1	1030.2	1045.1	1060.0	1066.2	1057.4	1040.7	1032.8	1028.4	1027.5
37.5°	1037.2	1041.6	1059.2	1079.4	1097.8	1105.7	1097.0	1076.7	1063.6	1057.4	1055.6
40°	1065.3	1068.8	1087.3	1113.7	1138.3	1148.8	1134.7	1109.3	1092.6	1084.6	1082.9
42.5°	1089.0	1092.6	1115.4	1148.8	1179.6	1192.8	1176.1	1146.2	1122.4	1109.3	1109.3
45°	1118.0	1119.8	1147.1	1188.4	1228.8	1242.0	1221.8	1184.0	1157.6	1140.9	1139.1
47.5°	1163.8	1165.5	1196.3	1233.2	1278.9	1293.0	1274.5	1227.0	1194.5	1176.9	1176.1
50°	1222.6	1227.0	1260.4	1299.1	1337.8	1348.3	1334.3	1285.1	1242.0	1218.2	1215.6
52.5°	1281.5	1288.6	1326.4	1371.2	1404.6	1412.5	1399.3	1343.9	1293.0	1261.3	1258.7
55°	1343.1	1350.1	1390.5	1449.4	1481.9	1488.1	1464.4	1404.6	1346.6	1307.9	1302.6
57.5°	1379.1	1386.1	1443.3	1520.6	1562.8	1566.3	1539.1	1464.4	1401.1	1351.0	1343.9
60°	1378.2	1387.0	1464.4	1572.5	1648.9	1660.4	1613.8	1528.5	1445.9	1385.3	1372.9
62.5°	1358.0	1370.3	1449.4	1597.1	1730.7	1747.4	1691.1	1576.9	1467.0	1394.0	1382.6
65°	1251.6	1264.8	1369.4	1560.2	1762.3	1819.5	1744.8	1574.2	1423.9	1324.6	1316.7
67°	1080.3	1094.3	1222.6	1452.1	1724.5	1835.3	1724.5	1512.7	1329.9	1212.1	1198.9
67.5°	1037.2	1053.9	1186.6	1422.2	1704.3	1827.4	1709.6	1480.2	1300.0	1182.2	1171.7
70°	777.0	812.2	975.7	1234.1	1527.6	1677.9	1549.6	1307.9	1086.4	956.3	928.2
72.5°	494.9	527.4	784.0	1052.1	1265.7	1354.5	1279.8	1033.7	782.3	642.5	628.5
75°	141.5	167.9	401.7	640.8	900.1	940.5	773.5	592.4	409.6	327.9	321.7
77.5°	73.0	73.8	123.1	264.6	435.1	489.6	310.3	219.7	173.2	152.9	156.5
80°	35.2	36.0	52.7	132.7	186.3	210.1	150.3	117.8	120.4	109.9	103.7
82.5°	18.5	19.3	27.2	58.0	85.3	108.1	108.1	82.6	80.9	76.5	68.6
85°	5.3	4.4	7.9	12.3	23.7	40.4	29.0	29.9	28.1	23.7	22.9
87.5°	0.9	0.9	0.9	0.9	1.8	1.8	0.9	0.9	0.9	0.9	0.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5
2.5°	724.3	724.3	724.3	725.1	727.8	722.5	726.0	723.4	720.8	721.6
5°	728.7	726.0	725.1	727.8	728.7	726.0	728.7	725.1	725.1	721.6
7.5°	732.2	732.2	728.7	732.2	732.2	730.4	729.5	728.7	728.7	720.8
10°	743.6	741.0	736.6	736.6	737.5	737.5	736.6	734.8	732.2	728.7
12.5°	759.4	755.9	750.6	750.6	750.6	753.3	750.6	748.0	743.6	742.7
15°	779.6	773.5	768.2	767.3	767.3	766.5	766.5	762.9	758.5	756.8
17.5°	799.9	791.9	784.9	786.7	782.3	782.3	778.8	781.4	776.1	777.0
20°	822.7	816.6	810.4	811.3	807.8	809.5	804.3	803.4	798.1	798.1
22.5°	850.8	845.6	838.5	840.3	837.7	837.7	831.5	827.1	821.8	818.3
25°	885.1	877.2	871.9	871.9	871.9	867.5	863.1	858.8	852.6	850.0
27.5°	922.9	915.9	911.5	910.6	907.1	900.9	895.7	895.7	886.0	881.6
30°	959.0	955.4	952.8	949.3	946.6	945.8	936.1	927.3	921.2	916.8
32.5°	992.4	991.5	992.4	993.2	995.0	987.1	976.5	966.9	952.8	955.4
35°	1028.4	1026.6	1030.2	1039.8	1043.3	1035.4	1019.6	999.4	987.1	983.6
37.5°	1056.5	1058.3	1069.7	1083.8	1089.9	1077.6	1051.2	1024.9	1007.3	1004.7
40°	1083.8	1089.9	1104.0	1125.1	1136.5	1118.0	1082.0	1049.5	1024.0	1021.4
42.5°	1112.8	1118.0	1136.5	1165.5	1176.1	1155.8	1112.8	1069.7	1038.1	1031.0
45°	1140.0	1147.1	1172.5	1209.5	1220.9	1196.3	1140.9	1085.5	1048.6	1042.5
47.5°	1174.3	1185.7	1214.7	1255.2	1264.0	1237.6	1175.2	1111.9	1068.8	1062.7
50°	1215.6	1226.2	1262.2	1303.5	1307.0	1279.8	1221.8	1155.8	1106.6	1097.0
52.5°	1257.8	1275.4	1316.7	1353.6	1358.9	1329.9	1272.7	1205.9	1148.8	1143.5
55°	1301.8	1319.3	1367.7	1406.3	1412.5	1390.5	1337.8	1264.8	1201.5	1190.1
57.5°	1343.9	1361.5	1412.5	1463.5	1472.3	1460.8	1398.4	1312.3	1246.4	1237.6
60°	1370.3	1395.8	1456.4	1519.7	1541.7	1526.8	1443.3	1339.5	1266.6	1254.3
62.5°	1384.4	1419.5	1496.9	1581.3	1620.8	1591.8	1462.6	1337.8	1251.6	1240.2
65°	1322.0	1396.7	1518.0	1642.8	1695.5	1638.4	1455.6	1297.4	1206.8	1187.5
67°	1210.3	1300.0	1466.1	1652.5	1735.1	1635.8	1391.4	1189.2	1066.2	1047.7
67.5°	1181.3	1272.7	1445.9	1642.8	1737.7	1630.5	1363.3	1154.1	1022.2	1008.2
70°	937.9	1058.3	1274.5	1510.1	1657.7	1511.8	1191.0	943.1	779.6	738.3
72.5°	661.0	779.6	1015.2	1256.0	1373.8	1278.0	1014.3	757.7	503.6	465.9
75°	334.0	414.9	602.1	828.0	987.1	939.6	637.3	342.8	107.2	84.4
77.5°	147.7	159.1	232.9	354.2	513.3	399.9	208.3	76.5	34.3	30.8
80°	102.8	114.3	113.4	129.2	139.8	122.2	82.6	32.5	11.4	4.4
82.5°	72.1	80.9	75.6	72.1	69.4	56.3	36.9	13.2	2.6	0.0
85°	23.7	29.9	25.5	28.1	29.0	14.9	3.5	0.9	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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)